Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

November 6, 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**
133 Coppermine Road, Oxford, 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. The tower was approved by the Town of Oxford ("Town") in November of 2001. Cellco's shared use of the tower was approved by the Siting Council ("Council") in January of 2005 (EM-VER-108-041214). A copy of the Town's tower approval and Cellco's 2005 exempt modification approval are included in Attachment 1.

Cellco's proposed modification involves the installation of two (2) interference mitigation filters ("Filters") on its 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 Oxford's Chief Elected Official and Land Use Officer. The Town of Oxford is the Owner of the Property.

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

1. The proposed modification 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:
George Temple, First Selectman
Steven Macary, Zoning Enforcement Officer
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

TOWN OF OXFORD
BUILDING DEPARTMENT PERMIT APPLICATION

Permit #: B01-309 Date: 11/3/01 // Receipt #: _____ Date: _____

This Building Permit is issued pursuant to Section 114.0 of the Basic Building Code of the State of Connecticut and is subject to the provisions thereof.
It is issued on the basis of the application described below and is valid only for the work indicated in Item #3.
All Town Planning and Zoning and Inland Wetland Regulations must be complied with.

To be filled out by Tax Collector Only

All Property Taxes Are Current: Yes / No Date 3/21/00 Initials KHEC N/A - Town Owned - NO Taxes due

To be filled out in Assessor's Office

Street Address 133 Coppermine Rd Map 12 Block 57 Lot 17 Initials J.S.

To be filled in by Applicant
(please print)

Signature of Applicant _____

1) Name of Property Owner TOWN OF OXFORD
Address of Property Owner 486 OXFORD RD Phone 203-888-2543

2) Name of Applicant NEXTEL COMMUNICATIONS
Address of Applicant 100 CORPORATE PLACE ROCKY HILL, CT. 06067 Phone 860-513-5426

3) Permit Use SEE ATTACHED SHEET CELL TOWER Square Foot ~~Living Area~~ SHELTER 200 sq-ft.

4) Contractor's Registration # _____

To be filled out by Inland Wetland Enforcement Officer Only

Permit # _____ Date of Approval 3-28-00 Initials _____

To be filled out by P.D.D.H.

Permit # _____ Date of Approval 3-28-00 Initials PK

To be filled out by Zoning Enforcement Officer Only Town Meeting Approved

Permit # _____ Date of Approval _____ Initials PTS

To be filled out by Building Official Only

Est. Cost $ 120,000.00

Complete Set of Blueprints (necessary with application) _____ Fee $ 877.20

Type of Work: Residential _____ Commercial ✓ Industrial _____

Miscellaneous Information: Footing Size _____ Rafter Size _____ # of Baths _____
Footing Drain _____ # of Bedrooms _____
Wall Size _____ Garage Sq. Footage _____
See Plans.

Joist Span: Floor _____ Ceiling _____ **Wall Studs:** Interior _____ Exterior _____ **Insulation:** Wall _____ Ceiling _____ Floor _____

Swimming Pool Size _____ AG / IG Deck Size _____

Neither the Town of Oxford nor any authorized agent assumes any responsibility for the construction or maintenance of any facility built under this permit.

C/O Approval Date: 4/19/02 Building Official Initials _____ Date 11/19/01

THIS BUILDING MUST NOT BE OCCUPIED
UNTIL A CERTIFICATE OF OCCUPANCY HAS BEEN OBTAINED.

White - Building Department / Yellow - Assessor / Pink - Applicant

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

January 25, 2005

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

RE: **EM-VER-108-041214** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at Coppermine Road, Oxford, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on January 24, 2005, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated December 14, 2004, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. 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 will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of 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.

Thank you for your attention and cooperation.

Very truly yours,

Pamela B. Katz, P.E.
Chairman

PBK/laf

c: The Honorable August A. Palmer, First Selectman, Town of Oxford
Vincent Vizzo, Planning & Zoning Chairman, Town of Oxford
Thomas F. Flynn III, Nextel Communications, Inc.
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels, LLP
Michele G. Briggs, The New Cingular Wireless PCS, LLC

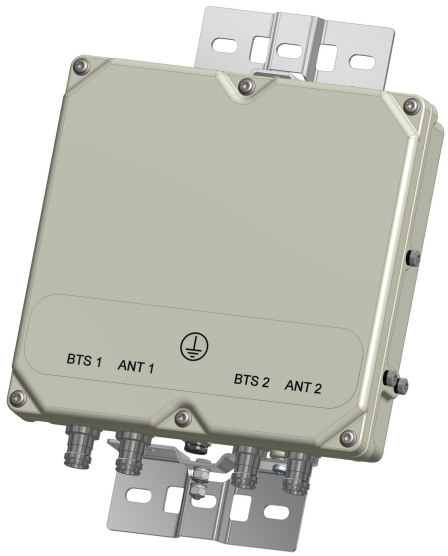
CSC
CONNECTICUT SITING COUNCIL

ATTACHMENT 2

KA-6030

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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



FEATURES

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

TECHNICAL SPECIFICATIONS

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

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

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

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

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

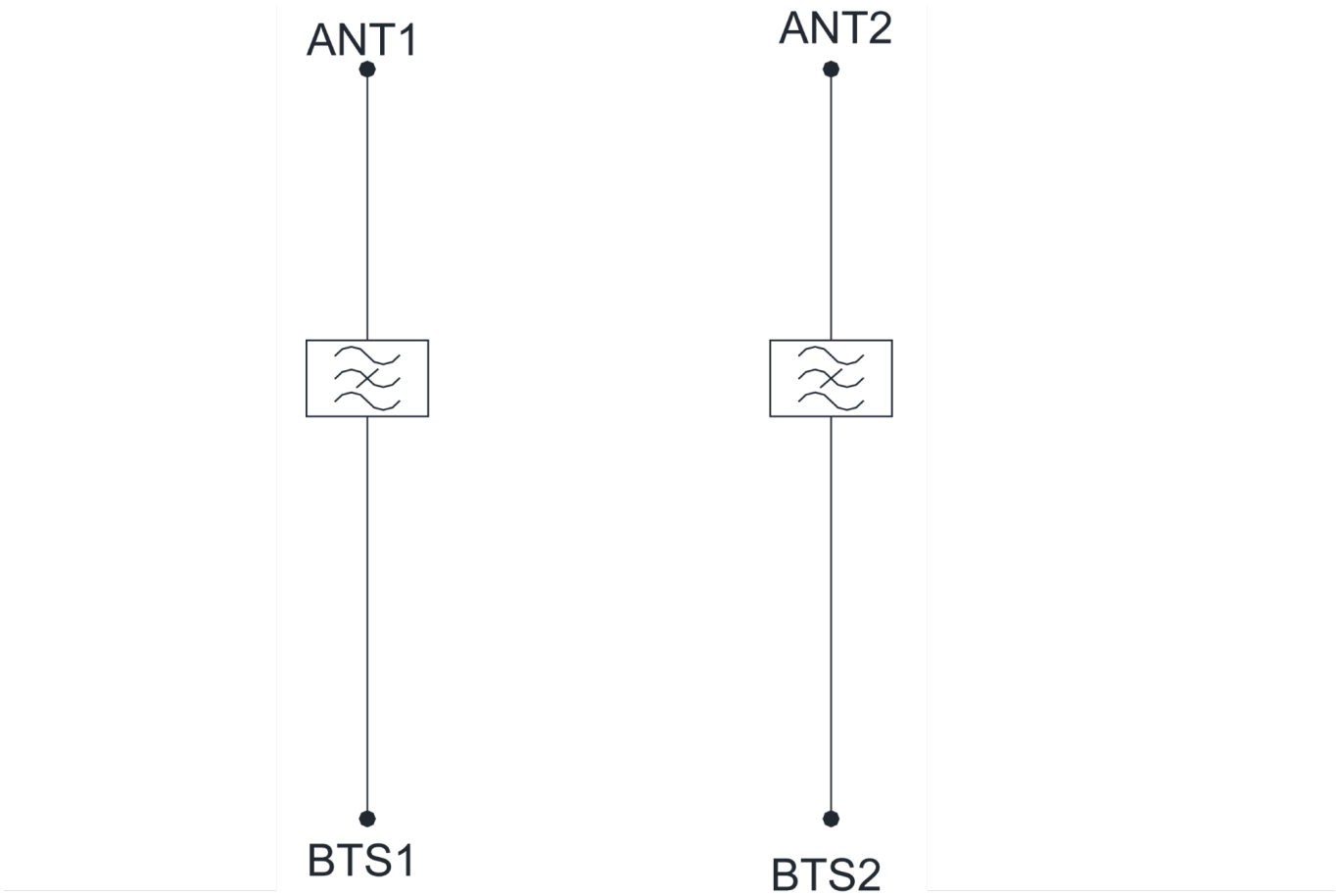
MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm | 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg | 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter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

ORDERING INFORMATION

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

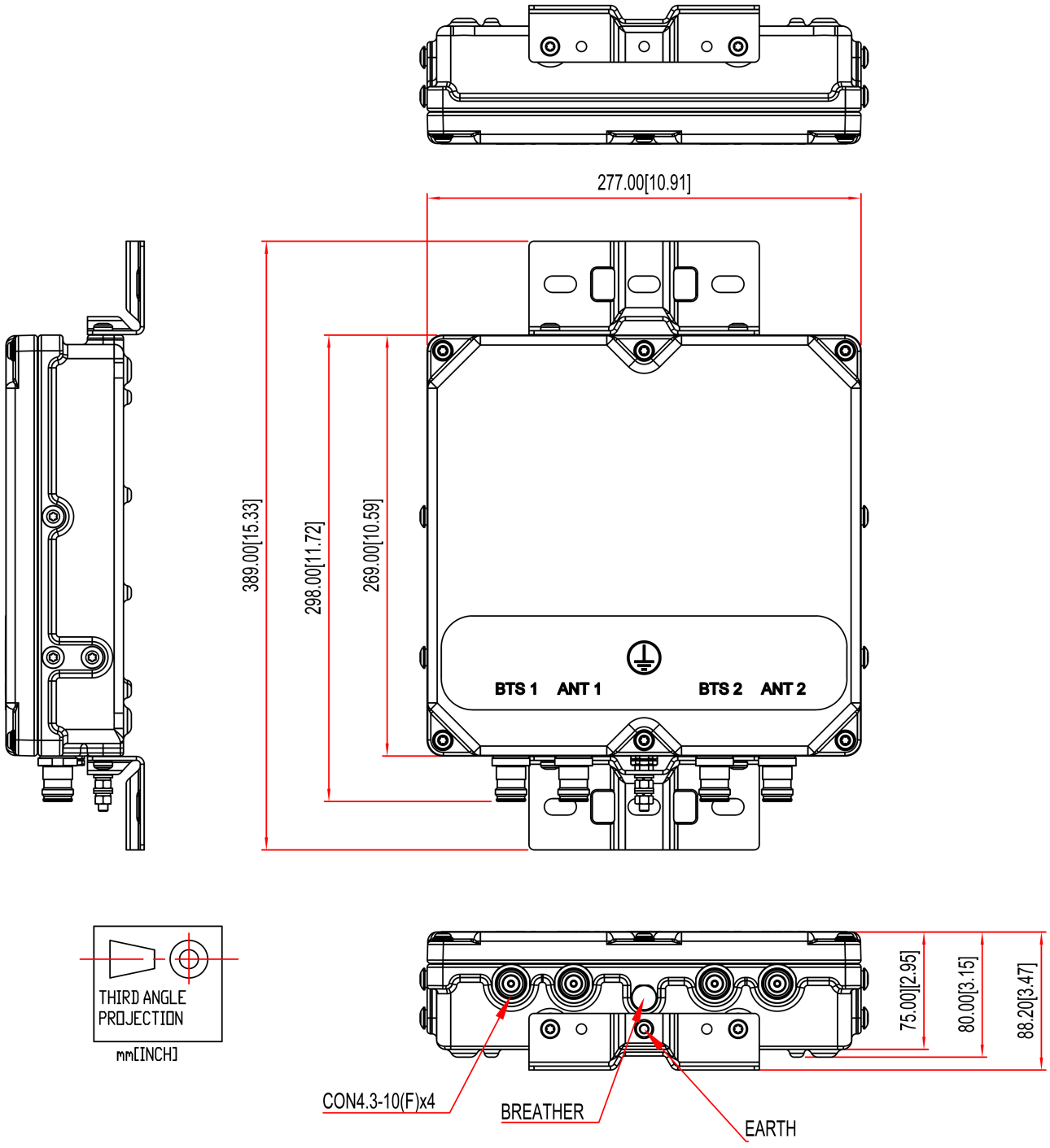
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



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

MECHANICAL BLOCK DIAGRAM



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

ATTACHMENT 3

Tower Engineering Solutions
Phone (972) 483-0607, Fax (972) 975-9615
1320 Greenway Drive, Suite 600, Irving, Texas 75038

Structural Analysis Report

Existing 178 ft SUMMIT Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT46127-A

Customer Site Name: Oxford-south

Carrier Name: Verizon (App#: 238342-1)

Carrier Site ID / Name: 5000383390 / Oxford SW CT

Site Location: 133 Coppermine Rd.

Oxford, Connecticut

New Haven County

Latitude: 41.387777

Longitude: -73.172222

Analysis Result:

Max Structural Usage: 99.5% [Pass]

Max Foundation Usage: 63.0% [Pass]

Additional Usage Caused by New Mount/Mount Modification: N/A

Report Prepared By: Changzhi Zang

Tower Engineering Solutions
Phone (972) 483-0607, Fax (972) 975-9615
1320 Greenway Drive, Suite 600, Irving, Texas 75038

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Introduction

The purpose of this report is to summarize the analysis results on the 178 ft SUMMIT Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Paul J. Ford And Company, Job# 29200-156, dated 02/11/2000
Foundation Drawing	Paul J. Ford And Company, Job# 29200-156, dated 02/23/2000
Geotechnical Report	DR. Clarence Welti, P.E., P.C, dated 12/15/2000
Modification Drawings	Close Out Letter by Vertical Solutions, Project# 140196.01, Rev. 0, dated 02/19/2014 Close Out Letter by Vertical Solutions, Project# 130317.01, Rev. 0, dated 04/02/2013
Mount Analysis	N/A

Analysis Criteria

The comprehensive analysis was performed in accordance with the requirements and stipulations of the TIA-222-H**.** In accordance with this standard, the structure was analyzed using **TESPoles,** a proprietary analysis software. The program considers the structure as an elastic 3-D model with second-order effects and temperature effects incorporated in the analysis. The analysis was performed using multiple wind directions.

Wind Speed Used in the Analysis:	120.0 mph (3-Sec. Gust) (Ultimate wind speed)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 1" radial ice concurrent
Service Load Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-H / 2021 IBC / 2022 Connecticut State Building Code
Exposure Category:	C
Risk Category:	II
Topographic Category:	1
Crest Height:	0 ft
Seismic Parameters:	S_S = 0.199, S_1 = 0.054

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.

Existing Antennas, Mounts and Transmission Lines

The table below summarizes the antennas, mounts and transmission lines that were considered in the analysis as existing on the tower.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	178.0	1	DB220 – B Omni	Platform w/ Hand Rail	(1) 7/8"	Nextel
2	168.0	3	Ericsson AIR32 KRD901146-1_B66A_B2A (Octo)	Low Profile Platform w/handrail + New replaced handrail kit, plan bracing and kicker kit	(3) 2" Hybrid	T-Mobile Sprint
3		3	RFS APXVAALL24_43-U-NA20			
4		3	Ericsson AIR6449 B41			
5		4	RFS ACU-A20-N RET			
6		3	Ericsson 4415 B25			
7		3	ALU 800 MHz RRH			
8		3	Ericsson 4449 B71 + B85			
9		3	ALU 800 MHz Filter			
10	158.0	3	Powerwave 7770.00	Low Profile Platform	(12) 1 5/8"	AT&T
11		2	Andrew SBNH1D6565C			
12		4	KMW AM-X-CD-16-65-00T-RET			
13		6	CCI DTMABP7819VG12A			
14		6	Ericsson RRUS 11			
15		1	Raycap DC6-48-60-18-8F			
-	148.0	3	Samsung - MT6407-77A - Panel	Low Profile Platform Modified w/ (1) VZWSMART-PLKI, (1) Site Pro1 SQCX4-K (1) P2 STD x 48" Pipe	(10) 1 5/8" (2) 6x12 Hybrid	Verizon
-		3	CommScope - NNH4-65C-R6 - Panel			
-		3	Samsung B2/B66A-RRH-B409			
-		3	Samsung B5/B13 RRH BR04C			
-	147.0	1	Raycap DB-C1-12C-24AB-0Z			
22	115.0	3	JMA Wireless - MX08FRO665-21 - Panel	Platform W/ handrails [Commscope MC-PK8-DSH]	(1) 1.6" Hybrid	Dish Wireless
23		3	Fujitsu TA08025-B604 RRU			
24		3	Fujitsu TA08025-B605 RRU			
25		1	Raycap RDIDC-9181-PF-48-OVP			

Proposed Carrier's Final Configuration of Antennas, Mounts and Transmission Lines

Information pertaining to the proposed carrier's final configuration of antennas and transmission lines was provided by SBA Communications Corp. The proposed antennas and lines are listed below.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
16	148.0	3	Samsung - MT6407-77A - Panel	Low Profile Platform Modified w/ (1) VZWSMART-PLKI, (1) Site Pro1 SQCX4-K (1) P2 STD x 48" Pipe	(10) 1 5/8" (2) 6x12 - 1/2" Hybrid	Verizon
17		3	CommScope - NNH4-65C-R6 - Panel			
18		3	Samsung B2/B66A-RRH-B409 - RRU			
19		3	Samsung B5/B13 RRH BR04C - RRU			
20	147.0	1	Raycap DB-C1-12C-24AB-0Z - OVP			
21		2	Kaelus KA-6030 - Filter			

Notes: The mount is at 147 ft elev.

See the attached coax layout for the line placement considered in the analysis.

Analysis Results

The results of the structural analysis, performed for the wind and ice loading and antenna equipment as defined above, are summarized as the following:

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	**92.8%**	**99.5%**	**75.0%**
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions	4833.6	37.5	54.2

The foundation has been investigated using the supplied documents and soils report and was found adequate. Therefore, no modification to the foundation will be required.

Service Load Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 1.9370 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

Based on the analysis results, the existing structure and its foundation were found to be adequate to safely support the existing and proposed equipment and meet the minimum requirements per the TIA-222 Standard under the design basic wind speed as specified in the Analysis Criteria.

Standard Conditions

1. This analysis was performed based on the information supplied to **(TES) Tower Engineering Solutions, LLC.** Verification of the information provided was not included in the Scope of Work for **TES**. The accuracy of the analysis is dependent on the accuracy of the information provided.

2. The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.

3. The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of **TES**. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, **TES** should be notified in writing and the applicable minimum values provided by the client.

4. The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. **TES** has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, **TES** should be notified immediately to evaluate the effect of the discrepancy on the analysis results.

5. The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.

6. If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

Usage Diagram - Max Ratio 92.81% at 49.0ft

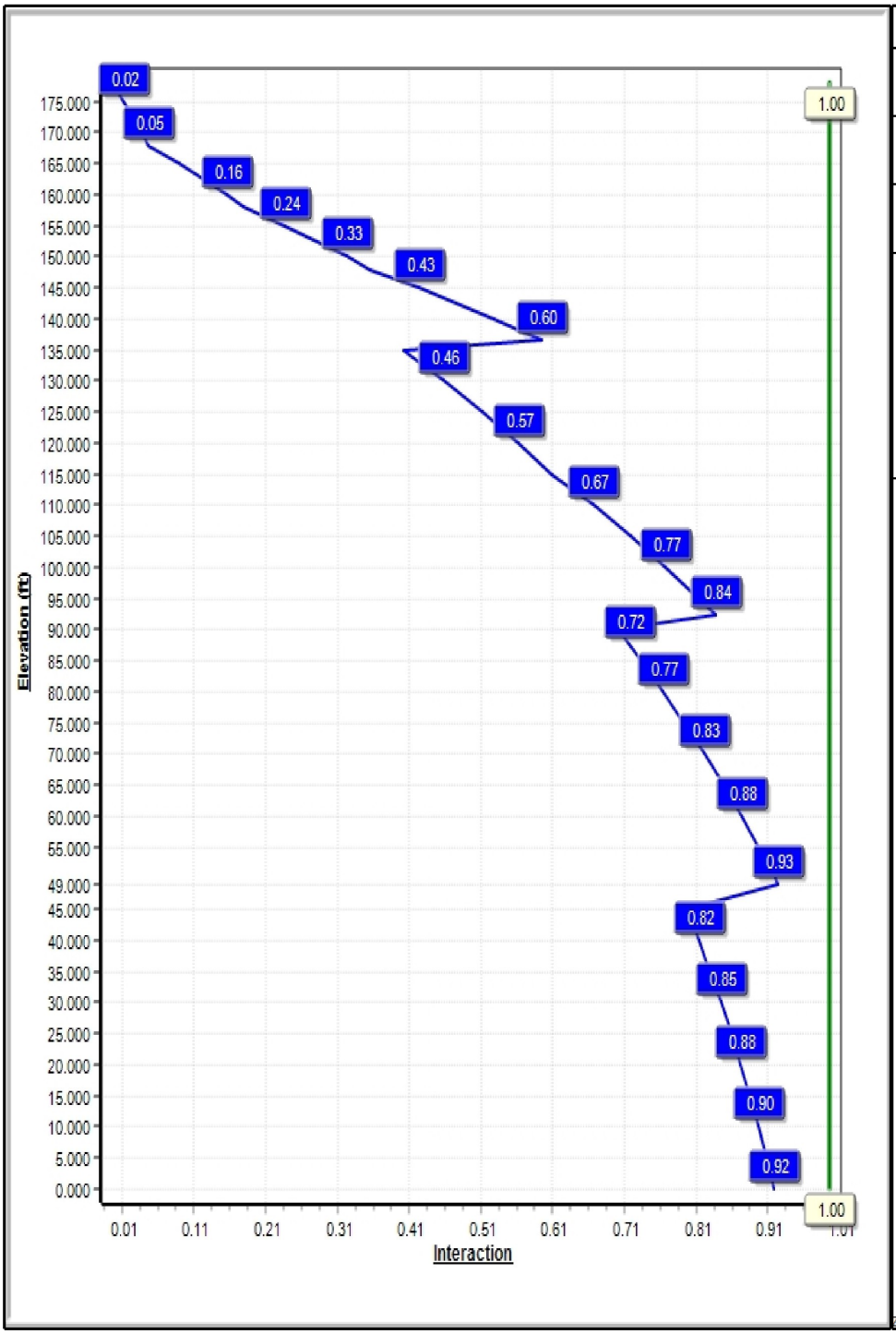
Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-H	10/20/2023
Site Name:	Oxford-south	**Exposure:**	C	
Height:	178.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

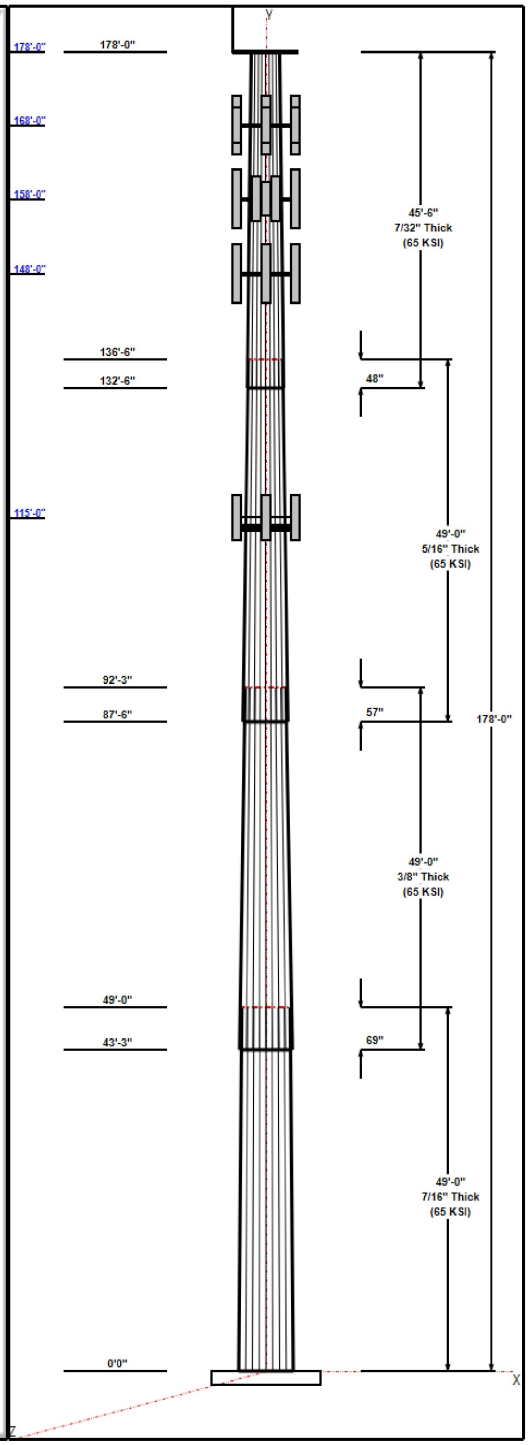
Tower Engineering Solutions

Dead Load Factor:	1.20
Wind Load Factor:	1.00

Load Case : 1.2D + 1.0W 120 mph Wind

Iterations: 28





Structure: CT46127-A-SBA

Type: Tapered
Site Name: Oxford-south
Height: 178.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.16580

10/20/2023

Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	49.00	43.58	51.70	0.438		0.16580	65
2	49.00	37.15	45.28	0.375	Slip	0.16580	65
3	49.00	30.44	38.57	0.313	Slip	0.16580	65
4	45.50	24.00	31.54	0.219	Slip	0.16580	65

Discrete Appurtenances

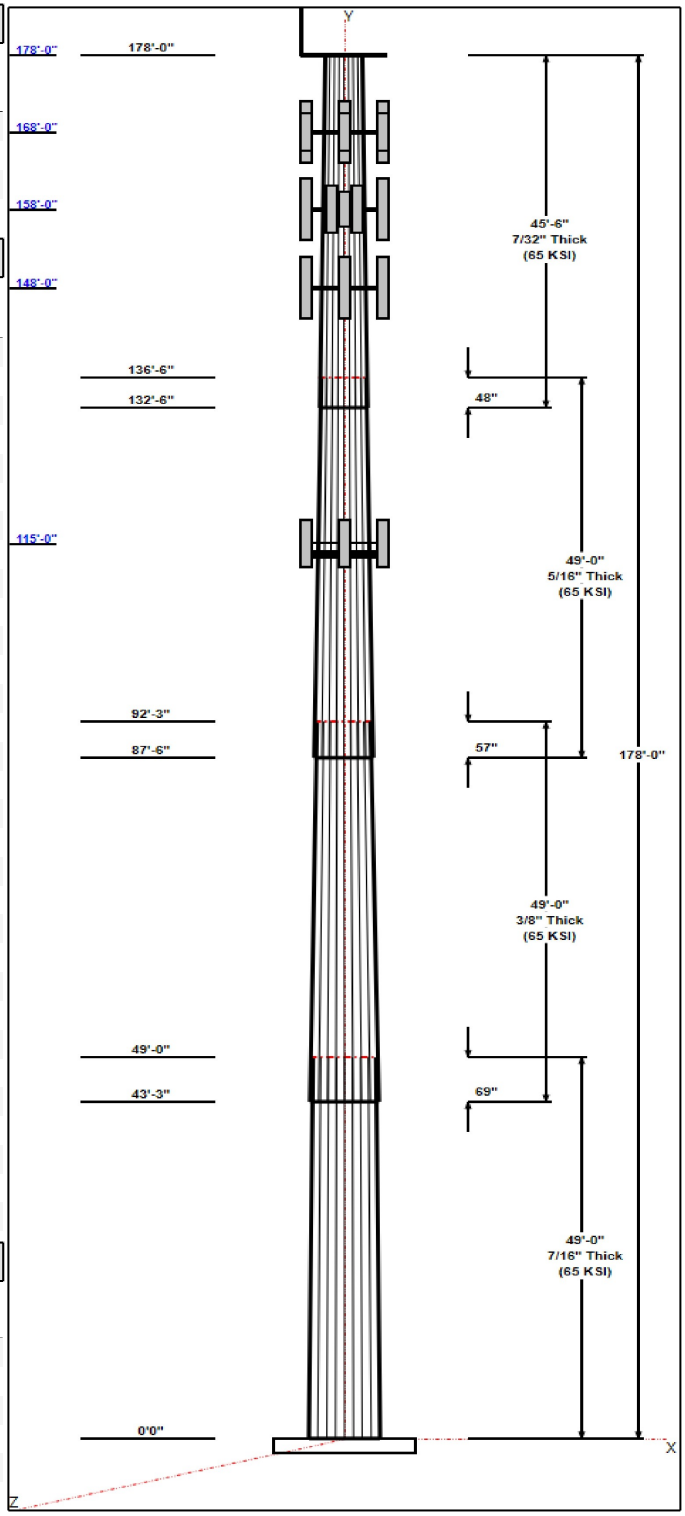
Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
178.00	178.00	1	Platform w/ Hand Rail	Nextel
178.00	181.06	1	DB220	Nextel
168.00	168.00	3	KRD 9011461-B66A-B2A	T-Mobile Sprint
168.00	168.00	3	APXVAARR24_43-U-NA20	T-Mobile Sprint
168.00	168.00	3	AIR6449 B41	T-Mobile Sprint
168.00	168.00	4	ACU-A20-N	T-Mobile Sprint
168.00	168.00	3	RRUS 4415 B25	T-Mobile Sprint
168.00	168.00	3	800MHz RRH w/ filter	T-Mobile Sprint
168.00	168.00	3	4449 B71 + B85	T-Mobile Sprint
168.00	168.00	3	ALU 800MHz External	T-Mobile Sprint
168.00	168.00	1	Platform w/ Hand Rail	T-Mobile Sprint
158.00	158.00	4	AM-X-CD-16-65-00T-RET	AT&T
158.00	158.00	6	DTMABP7819VG12A	AT&T
158.00	158.00	6	RRUS 11	AT&T
158.00	158.00	1	DC6-48-60-18-8F	AT&T
158.00	158.00	1	Low Profile	AT&T
158.00	158.00	3	7770.00	AT&T
158.00	158.00	2	SBNH-1D65C	AT&T
148.00	147.00	2	Kaelus KA-6030	Verizon
148.00	148.00	3	MT6407-77A	Verizon
148.00	148.00	3	NNH4-65C-R6	Verizon
148.00	148.00	3	Samsung	Verizon
148.00	148.00	3	Samsung B5/B13 RRH	Verizon
148.00	147.00	1	RFS DB-C1-12C-24AB-0Z	Verizon
148.00	147.00	1	Support Rail	Verizon
148.00	147.00	1	Low Profile	Verizon
115.00	115.00	3	MX08FRO665-21	Dish Wireless
115.00	115.00	3	Fujitsu TA08025-B604	Dish Wireless
115.00	115.00	3	Fujitsu TA08025-B605	Dish Wireless
115.00	115.00	1	Raycap	Dish Wireless
115.00	115.00	1	MC-PK8-DSH	Dish Wireless

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	178.00	Inside	7/8" Coax	Nextel
0.00	168.00	Inside	2" Hybrid	T-Mobile Sprint
0.00	158.00	Inside	1 5/8" Coax	AT&T
0.00	148.00	Inside	1 5/8" Coax	Verizon
0.00	148.00	Inside	6x12 Hybrid	Verizon
0.00	115.00	Inside	1.6" Hybrid	Dish Wireless

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
16	2.25" 18J	75.0	Cluster



Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.2500	57.0	50.0	Clipped

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 120 mph Wind	4833.6	37.5	54.2
0.9D + 1.0W 120 mph Wind	4743.8	37.4	40.6
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1313.2	10.1	72.1
1.2D + 1.0Ev + 1.0Eh	93.5	0.6	56.3
0.9D + 1.0Ev + 1.0Eh	92.0	0.6	42.6
1.0D + 1.0W 60 mph Wind	1071.8	8.4	45.2

Structure: CT46127-A-SBA - Coax Line Placement

Type: Monopole
Site Name: Oxford-south
Height: 178.00 (ft)

10/20/2023

Tower Engineering Solutions

Shaft Properties

Structure:	CT46127-A-SBA		**Code:**	TIA-222-H	10/20/2023
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

Tower Engineering Solutions

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	49.000	0.4375	65		0.00	10,928
2	18	49.000	0.3750	65	Slip	69.00	8,105
3	18	49.000	0.3125	65	Slip	57.00	5,655
4	18	45.500	0.2188	65	Slip	48.00	2,962
					Total Shaft Weight:		**27,650**

	Bottom						Top						
Sec. No.	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Taper**
1	51.70	0.00	71.18	23633.16	19.43	118.17	43.58	49.00	59.90	14083.4	16.15	99.60	0.165801
2	45.28	43.25	53.45	13615.50	19.88	120.74	37.15	92.25	43.78	7481.79	16.06	99.08	0.165801
3	38.57	87.50	37.94	7015.45	20.35	123.42	30.44	136.50	29.88	3427.83	15.77	97.42	0.165801
4	31.54	132.5	21.75	2696.94	24.01	144.17	24.00	178.00	16.51	1180.03	17.93	109.6	0.165801

Load Summary

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

Tower Engineering Solutions

Discrete Appurtenances

				No Ice			Ice				
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1	178.00	Platform w/ Hand Rail (round)	1	1600.00	40.00	1.00	3024.06	63.671	1.00	0.00	0.00
2	178.00	DB220	1	13.00	1.37	1.00	42.60	3.896	1.00	0.00	3.06
3	168.00	KRD 9011461-B66A-B2A	3	132.20	6.51	0.87	248.46	7.250	0.87	0.00	0.00
4	168.00	APXVAARR24_43-U-NA20	3	128.00	20.24	0.70	398.22	21.506	0.70	0.00	0.00
5	168.00	AIR6449 B41	3	103.00	5.65	0.71	195.45	6.291	0.71	0.00	0.00
6	168.00	ACU-A20-N	4	1.00	0.14	0.50	3.90	0.340	0.50	0.00	0.00
7	168.00	RRUS 4415 B25	3	46.00	1.64	0.50	73.71	1.987	0.50	0.00	0.00
8	168.00	800MHz RRH w/ filter	3	68.30	3.46	0.50	129.29	4.346	0.50	0.00	0.00
9	168.00	4449 B71 + B85	3	73.20	1.97	0.50	112.13	2.354	0.50	0.00	0.00
10	168.00	ALU 800MHz External Notch Filt	3	8.80	0.78	0.50	20.70	1.216	0.50	0.00	0.00
11	168.00	Platform w/ Hand Rail (round)	1	1600.00	32.00	1.00	3015.85	50.828	1.00	0.00	0.00
12	158.00	AM-X-CD-16-65-00T-RET	4	48.50	8.02	0.75	157.25	9.892	0.75	0.00	0.00
13	158.00	DTMABP7819VG12A	6	19.20	1.14	0.50	36.30	1.656	0.50	0.00	0.00
14	158.00	RRUS 11	6	50.70	2.52	0.50	106.12	2.944	0.50	0.00	0.00
15	158.00	DC6-48-60-18-8F	1	31.80	0.92	0.50	73.23	1.214	0.50	0.00	0.00
16	158.00	Low Profile Platform-Round	1	1500.00	22.00	1.00	2377.15	33.836	1.00	0.00	0.00
17	158.00	7770.00	3	35.00	5.50	0.73	118.88	6.199	0.73	0.00	0.00
18	158.00	SBNH-1D65C	2	49.60	11.46	0.85	215.88	12.580	0.85	0.00	0.00
19	148.00	Kaelus KA-6030	2	17.60	0.96	0.67	49.88	1.383	0.67	0.00	-1.00
20	148.00	MT6407-77A	3	79.40	4.69	0.70	153.49	5.314	0.70	0.00	0.00
21	148.00	NNH4-65C-R6	3	102.10	17.07	0.74	333.71	18.249	0.74	0.00	0.00
22	148.00	Samsung B2/B66A-RRH-B409	3	70.30	1.88	0.67	102.68	2.247	0.67	0.00	0.00
23	148.00	Samsung B5/B13 RRH BR04C	3	84.40	1.88	0.67	118.53	2.247	0.67	0.00	0.00
24	148.00	RFS DB-C1-12C-24AB-0Z	1	32.00	4.06	0.90	107.85	4.607	0.90	0.00	-1.00
25	148.00	Support Rail	1	406.61	9.75	1.00	727.87	16.094	1.00	0.00	-1.00
26	148.00	Low Profile Platform-Round	1	1500.00	22.00	1.00	2371.44	33.759	1.00	0.00	-1.00
27	115.00	MX08FRO665-21	3	64.50	12.49	0.74	253.33	13.441	0.74	0.00	0.00
28	115.00	Fujitsu TA08025-B604	3	63.90	1.96	0.67	96.77	2.324	0.67	0.00	0.00
29	115.00	Fujitsu TA08025-B605	3	75.00	1.96	0.67	108.96	2.324	0.67	0.00	0.00
30	115.00	Raycap RDIDC-9181-PF-48	1	21.90	2.01	1.00	56.47	2.379	1.00	0.00	0.00
31	115.00	MC-PK8-DSH	1	1727.00	37.59	1.00	2822.72	68.254	1.00	0.00	0.00
		Totals:	**79**	**12,586.41**			**24,042.83**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	178.00	(1) 7/8" Coax	0.00	Inside
0.00	168.00	(3) 2" Hybrid	0.00	Inside
0.00	158.00	(12) 1 5/8" Coax	0.00	Inside
0.00	148.00	(10) 1 5/8" Coax	0.00	Inside
0.00	148.00	(2) 6x12 Hybrid	0.00	Inside
0.00	115.00	(1) 1.6" Hybrid	0.00	Inside

Shaft Section Properties

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 7	

Tower Engineering Solutions

Increment Length: **5 (ft)**

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.4375	51.700	71.182	23633.2	19.43	118.17	78.6	900.4	0.0
5.00		0.4375	50.871	70.031	22505.0	19.09	116.28	78.9	871.3	1201.3
10.00		0.4375	50.042	68.880	21413.4	18.76	114.38	79.3	842.8	1181.7
15.00		0.4375	49.213	67.728	20357.6	18.42	112.49	79.7	814.8	1162.1
20.00		0.4375	48.384	66.577	19337.2	18.09	110.59	80.1	787.2	1142.5
25.00		0.4375	47.555	65.426	18351.4	17.76	108.70	80.5	760.1	1122.9
30.00		0.4375	46.726	64.275	17399.7	17.42	106.80	80.9	733.4	1103.4
35.00		0.4375	45.897	63.124	16481.4	17.09	104.91	81.3	707.3	1083.8
40.00		0.4375	45.068	61.973	15596.1	16.75	103.01	81.7	681.6	1064.2
43.25	Bot - Section 2	0.4375	44.529	61.224	15038.0	16.54	101.78	82.0	665.2	681.2
45.00		0.4375	44.239	60.822	14743.1	16.42	101.12	82.1	656.4	680.6
49.00	Top - Section 1	0.3750	44.326	52.310	12766.6	19.43	118.20	0.0	0.0	1539.0
50.00		0.3750	44.160	52.113	12622.6	19.35	117.76	78.6	563.0	177.7
55.00		0.3750	43.331	51.126	11919.1	18.96	115.55	79.1	541.8	878.3
60.00		0.3750	42.502	50.140	11242.3	18.57	113.34	79.6	521.0	861.5
65.00		0.3750	41.673	49.153	10591.6	18.18	111.13	80.0	500.6	844.7
70.00		0.3750	40.844	48.166	9966.5	17.79	108.92	80.5	480.6	827.9
75.00		0.3750	40.015	47.180	9366.4	17.40	106.71	80.9	461.0	811.1
80.00		0.3750	39.186	46.193	8791.0	17.01	104.50	81.4	441.9	794.3
85.00		0.3750	38.357	45.206	8239.6	16.63	102.29	81.8	423.1	777.5
87.50	Bot - Section 3	0.3750	37.942	44.713	7972.8	16.43	101.18	82.1	413.9	382.5
90.00		0.3750	37.528	44.220	7711.8	16.24	100.07	82.3	404.7	699.3
92.25	Top - Section 2	0.3125	37.780	37.162	6591.0	19.91	120.90	0.0	0.0	622.8
95.00		0.3125	37.324	36.709	6353.3	19.65	119.44	78.3	335.3	345.6
100.00		0.3125	36.495	35.887	5935.9	19.18	116.78	78.8	320.4	617.6
105.00		0.3125	35.666	35.065	5537.2	18.71	114.13	79.4	305.8	603.6
110.00		0.3125	34.837	34.243	5156.7	18.25	111.48	79.9	291.6	589.6
115.00		0.3125	34.008	33.420	4794.1	17.78	108.83	80.5	277.7	575.6
120.00		0.3125	33.179	32.598	4448.9	17.31	106.17	81.0	264.1	561.6
125.00		0.3125	32.350	31.776	4120.6	16.84	103.52	81.6	250.9	547.6
130.00		0.3125	31.521	30.954	3809.0	16.37	100.87	82.1	238.0	533.6
132.50	Bot - Section 4	0.3125	31.106	30.543	3659.2	16.14	99.54	82.4	231.7	261.6
135.00		0.3125	30.692	30.131	3513.4	15.91	98.21	82.5	225.5	441.9
136.50	Top - Section 3	0.2188	30.881	21.293	2529.2	23.48	141.14	0.0	0.0	262.3
140.00		0.2188	30.300	20.890	2388.3	23.01	138.48	74.3	155.2	251.2
145.00		0.2188	29.471	20.314	2196.3	22.34	134.70	75.1	146.8	350.5
148.00		0.2188	28.974	19.969	2086.1	21.94	132.42	75.6	141.8	205.6
150.00		0.2188	28.642	19.739	2014.8	21.67	130.91	75.9	138.5	135.1
155.00		0.2188	27.813	19.163	1843.6	21.00	127.12	76.7	130.6	330.9
158.00		0.2188	27.316	18.818	1745.7	20.60	124.84	77.2	125.9	193.9
160.00		0.2188	26.984	18.587	1682.4	20.34	123.33	77.5	122.8	127.3
165.00		0.2188	26.155	18.012	1530.8	19.67	119.54	78.3	115.3	311.3
168.00		0.2188	25.658	17.666	1444.5	19.27	117.27	78.7	110.9	182.1
170.00		0.2188	25.326	17.436	1388.7	19.00	115.75	79.1	108.0	119.4
175.00		0.2188	24.497	16.860	1255.6	18.33	111.96	79.8	101.0	291.8
178.00		0.2188	24.000	16.515	1180.0	17.93	109.69	80.3	96.8	170.4
										27650.3

Wind Loading - Shaft

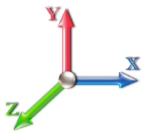
Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	29.567	32.52	482.37	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	29.567	32.52	474.64	0.730	0.000	5.00	21.699	15.84	515.2	0.0	1441.5
10.00		1.00	0.85	29.567	32.52	466.90	0.730	0.000	5.00	21.348	15.58	506.9	0.0	1418.0
15.00		1.00	0.85	29.567	32.52	459.17	0.730	0.000	5.00	20.997	15.33	498.5	0.0	1394.5
20.00		1.00	0.90	31.372	34.51	465.01	0.730	0.000	5.00	20.646	15.07	520.1	0.0	1371.0
25.00		1.00	0.95	32.881	36.17	467.90	0.730	0.000	5.00	20.296	14.82	535.9	0.0	1347.5
30.00		1.00	0.98	34.168	37.58	468.65	0.730	0.000	5.00	19.945	14.56	547.2	0.0	1324.0
35.00		1.00	1.01	35.295	38.82	467.87	0.730	0.000	5.00	19.594	14.30	555.3	0.0	1300.5
40.00		1.00	1.04	36.301	39.93	465.92	0.730	0.000	5.00	19.243	14.05	560.9	0.0	1277.0
43.25	Bot - Section 2	1.00	1.06	36.903	40.59	464.15	0.730	0.000	3.25	12.320	8.99	365.1	0.0	817.5
45.00		1.00	1.07	37.212	40.93	463.06	0.730	0.000	1.75	6.684	4.88	199.7	0.0	816.7
49.00	Top - Section 1	1.00	1.09	37.886	41.67	460.22	0.730	0.000	4.00	15.115	11.03	459.8	0.0	1846.7
50.00		1.00	1.09	38.047	41.85	467.38	0.730	0.000	1.00	3.744	2.73	114.4	0.0	213.2
55.00		1.00	1.12	38.818	42.70	463.23	0.730	0.000	5.00	18.508	13.51	576.9	0.0	1053.9
60.00		1.00	1.14	39.536	43.49	458.55	0.730	0.000	5.00	18.158	13.26	576.5	0.0	1033.8
65.00		1.00	1.16	40.208	44.23	453.41	0.730	0.000	5.00	17.807	13.00	574.9	0.0	1013.6
70.00		1.00	1.17	40.840	44.92	447.87	0.730	0.000	5.00	17.456	12.74	572.5	0.0	993.5
75.00		1.00	1.19	41.437	45.58	441.98	0.730	0.000	5.00	17.105	12.49	569.2	0.0	973.3
80.00		1.00	1.21	42.004	46.20	435.77	0.730	0.000	5.00	16.755	12.23	565.1	0.0	953.2
85.00		1.00	1.22	42.544	46.80	429.29	0.730	0.000	5.00	16.404	11.97	560.4	0.0	933.0
87.50	Bot - Section 3	1.00	1.23	42.804	47.08	425.94	0.730	0.000	2.50	8.070	5.89	277.4	0.0	459.0
90.00		1.00	1.24	43.059	47.36	422.54	0.730	0.000	2.50	8.115	5.92	280.6	0.0	839.2
92.25	Top - Section 2	1.00	1.24	43.283	47.61	419.43	0.730	0.000	2.25	7.229	5.28	251.2	0.0	747.4
95.00		1.00	1.25	43.552	47.91	422.64	0.730	0.000	2.75	8.738	6.38	305.6	0.0	414.8
100.00		1.00	1.27	44.025	48.43	415.49	0.730	0.000	5.00	15.616	11.40	552.1	0.0	741.1
105.00		1.00	1.28	44.479	48.93	408.15	0.730	0.000	5.00	15.265	11.14	545.2	0.0	724.3
110.00		1.00	1.29	44.917	49.41	400.62	0.730	0.000	5.00	14.915	10.89	537.9	0.0	707.5
115.00	Appurtenance(s)	1.00	1.30	45.339	49.87	392.92	0.730	0.000	5.00	14.564	10.63	530.2	0.0	690.7
120.00		1.00	1.32	45.747	50.32	385.06	0.730	0.000	5.00	14.213	10.38	522.1	0.0	673.9
125.00		1.00	1.33	46.142	50.76	377.06	0.730	0.000	5.00	13.862	10.12	513.6	0.0	657.2
130.00		1.00	1.34	46.525	51.18	368.91	0.730	0.000	5.00	13.512	9.86	504.8	0.0	640.4
132.50	Bot - Section 4	1.00	1.34	46.712	51.38	364.79	0.730	0.000	2.50	6.624	4.84	248.5	0.0	313.9
135.00		1.00	1.35	46.896	51.59	360.64	0.730	0.000	2.50	6.629	4.84	249.6	0.0	530.3
136.50	Top - Section 3	1.00	1.35	47.005	51.71	358.14	0.730	0.000	1.50	3.935	2.87	148.5	0.0	314.7
140.00		1.00	1.36	47.256	51.98	357.41	0.730	0.000	3.50	9.060	6.61	343.8	0.0	301.4
145.00		1.00	1.37	47.607	52.37	348.92	0.730	0.000	5.00	12.645	9.23	483.4	0.0	420.6
148.00	Appurtenance(s)	1.00	1.37	47.812	52.59	343.77	0.730	0.000	3.00	7.418	5.42	284.8	0.0	246.7
150.00		1.00	1.38	47.948	52.74	340.31	0.730	0.000	2.00	4.875	3.56	187.7	0.0	162.1
155.00		1.00	1.39	48.280	53.11	331.61	0.730	0.000	5.00	11.943	8.72	463.0	0.0	397.1
158.00	Appurtenance(s)	1.00	1.39	48.475	53.32	326.33	0.730	0.000	3.00	6.997	5.11	272.4	0.0	232.6
160.00		1.00	1.40	48.604	53.46	322.80	0.730	0.000	2.00	4.595	3.35	179.3	0.0	152.7
165.00		1.00	1.41	48.919	53.81	313.90	0.730	0.000	5.00	11.242	8.21	441.6	0.0	373.6
168.00	Appurtenance(s)	1.00	1.41	49.105	54.02	308.51	0.730	0.000	3.00	6.577	4.80	259.3	0.0	218.5
170.00		1.00	1.42	49.228	54.15	304.90	0.730	0.000	2.00	4.314	3.15	170.5	0.0	143.3
175.00		1.00	1.42	49.529	54.48	295.83	0.730	0.000	5.00	10.540	7.69	419.2	0.0	350.1
178.00	Appurtenance(s)	1.00	1.43	49.707	54.68	290.34	0.730	0.000	3.00	6.156	4.49	245.7	0.0	204.4

Wind Loading - Shaft

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Totals:	**178.00**	**18,592.8**	**33,180.4**

Discrete Appurtenance Forces

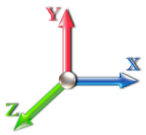
Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	178.00	Platform w/ Hand Rail	1	49.707	54.677	1.00	1.00	40.00	1920.00	0.000	0.000	2187.10	0.00	0.00
2	178.00	DB220	1	49.886	54.874	1.00	1.00	1.37	15.60	0.000	3.063	75.18	0.00	230.23
3	168.00	RRUS 4415 B25	3	49.105	54.016	0.38	0.75	1.84	165.60	0.000	0.000	99.66	0.00	0.00
4	168.00	KRD 9011461-B66A-B2A	3	49.105	54.016	0.65	0.75	12.74	475.92	0.000	0.000	688.34	0.00	0.00
5	168.00	APXVAARR24_43-U-NA2	3	49.105	54.016	0.52	0.75	31.88	460.80	0.000	0.000	1721.92	0.00	0.00
6	168.00	AIR6449 B41	3	49.105	54.016	0.53	0.75	9.03	370.80	0.000	0.000	487.54	0.00	0.00
7	168.00	ACU-A20-N	4	49.105	54.016	0.38	0.75	0.21	4.80	0.000	0.000	11.34	0.00	0.00
8	168.00	800MHz RRH w/ filter	3	49.105	54.016	0.38	0.75	3.89	245.88	0.000	0.000	210.26	0.00	0.00
9	168.00	4449 B71 + B85	3	49.105	54.016	0.38	0.75	2.22	263.52	0.000	0.000	119.71	0.00	0.00
10	168.00	ALU 800MHz External	3	49.105	54.016	0.38	0.75	0.88	31.68	0.000	0.000	47.40	0.00	0.00
11	168.00	Platform w/ Hand Rail	1	49.105	54.016	1.00	1.00	32.00	1920.00	0.000	0.000	1728.51	0.00	0.00
12	158.00	Low Profile	1	48.475	53.322	1.00	1.00	22.00	1800.00	0.000	0.000	1173.09	0.00	0.00
13	158.00	DC6-48-60-18-8F	1	48.475	53.322	0.40	0.80	0.37	38.16	0.000	0.000	19.62	0.00	0.00
14	158.00	RRUS 11	6	48.475	53.322	0.40	0.80	6.05	365.04	0.000	0.000	322.49	0.00	0.00
15	158.00	DTMABP7819VG12A	6	48.475	53.322	0.40	0.80	2.74	138.24	0.000	0.000	145.89	0.00	0.00
16	158.00	AM-X-CD-16-65-00T-RET	4	48.475	53.322	0.60	0.80	19.25	232.80	0.000	0.000	1026.35	0.00	0.00
17	158.00	7770.00	3	48.475	53.322	0.58	0.80	9.64	126.00	0.000	0.000	513.82	0.00	0.00
18	158.00	SBNH-1D65C	2	48.475	53.322	0.68	0.80	15.59	119.04	0.000	0.000	831.06	0.00	0.00
19	148.00	Samsung	3	47.812	52.594	0.50	0.75	2.83	253.08	0.000	0.000	149.06	0.00	0.00
20	148.00	Low Profile	1	47.744	52.519	1.00	1.00	22.00	1800.00	0.000	-1.000	1155.41	0.00	-1155.41
21	148.00	MT6407-77A	3	47.812	52.594	0.52	0.75	7.39	285.84	0.000	0.000	388.50	0.00	0.00
22	148.00	NNH4-65C-R6	3	47.812	52.594	0.55	0.75	28.42	367.56	0.000	0.000	1494.79	0.00	0.00
23	148.00	Samsung B5/B13 RRH	3	47.812	52.594	0.50	0.75	2.83	303.84	0.000	0.000	149.06	0.00	0.00
24	148.00	RFS DB-C1-12C-24AB-0Z	1	47.744	52.519	0.68	0.75	2.74	38.40	0.000	-1.000	143.93	0.00	-143.93
25	148.00	Support Rail	1	47.744	52.519	1.00	1.00	9.75	487.93	0.000	-1.000	512.06	0.00	-512.06
26	148.00	Kaelus KA-6030	2	47.744	52.519	0.50	0.75	0.96	42.24	0.000	-1.000	50.67	0.00	-50.67
27	115.00	MC-PK8-DSH	1	45.339	49.873	1.00	1.00	37.59	2072.40	0.000	0.000	1874.73	0.00	0.00
28	115.00	Raycap	1	45.339	49.873	0.75	0.75	1.51	26.28	0.000	0.000	75.18	0.00	0.00
29	115.00	Fujitsu TA08025-B605	3	45.339	49.873	0.50	0.75	2.95	270.00	0.000	0.000	147.36	0.00	0.00
30	115.00	Fujitsu TA08025-B604	3	45.339	49.873	0.50	0.75	2.95	230.04	0.000	0.000	147.36	0.00	0.00
31	115.00	MX08FRO665-21	3	45.339	49.873	0.55	0.75	20.80	232.20	0.000	0.000	1037.15	0.00	0.00
							Totals:		**15,103.69**			**18,734.52**		

Total Applied Force Summary

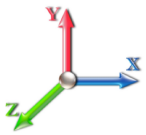
Structure:	CT46127-A-SBA		**Code:**	TIA-222-H	10/20/2023
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 11

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		515.18	1636.69	0.00	0.00
10.00		506.85	1613.19	0.00	0.00
15.00		498.52	1589.68	0.00	0.00
20.00		520.12	1566.18	0.00	0.00
25.00		535.87	1542.68	0.00	0.00
30.00		547.22	1519.18	0.00	0.00
35.00		555.33	1495.67	0.00	0.00
40.00		560.94	1472.17	0.00	0.00
43.25		365.08	944.31	0.00	0.00
45.00		199.72	885.04	0.00	0.00
49.00		459.84	2002.86	0.00	0.00
50.00		114.38	252.23	0.00	0.00
55.00		576.93	1249.05	0.00	0.00
60.00		576.46	1228.90	0.00	0.00
65.00		574.93	1208.76	0.00	0.00
70.00		572.47	1188.61	0.00	0.00
75.00		569.17	1168.47	0.00	0.00
80.00		565.13	1148.32	0.00	0.00
85.00		560.40	1128.18	0.00	0.00
87.50		277.40	556.54	0.00	0.00
90.00		280.59	936.73	0.00	0.00
92.25		251.24	835.16	0.00	0.00
95.00		305.60	522.08	0.00	0.00
100.00		552.06	936.23	0.00	0.00
105.00		545.23	919.45	0.00	0.00
110.00		537.95	902.66	0.00	0.00
115.00	(11) attachments	3812.02	3716.79	0.00	0.00
120.00		522.12	862.84	0.00	0.00
125.00		513.63	846.06	0.00	0.00
130.00		504.79	829.27	0.00	0.00
132.50		248.47	408.34	0.00	0.00
135.00		249.64	624.74	0.00	0.00
136.50		148.54	371.42	0.00	0.00
140.00		343.79	433.67	0.00	0.00
145.00		483.38	609.53	0.00	0.00
148.00	(17) attachments	4328.27	3938.97	0.00	-1862.06
150.00		187.71	204.93	0.00	0.00
155.00		463.02	504.10	0.00	0.00
158.00	(23) attachments	4304.71	3116.10	0.00	0.00
160.00		179.33	165.58	0.00	0.00
165.00		441.60	405.71	0.00	0.00
168.00	(26) attachments	5374.00	4176.79	0.00	0.00
170.00		170.54	144.58	0.00	0.00
175.00		419.20	353.23	0.00	0.00
178.00	(2) attachments	2507.97	2141.89	0.00	230.23

Total Applied Force Summary

Structure:	CT46127-A-SBA		**Code:**	TIA-222-H	10/20/2023
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 12

Tower Engineering Solutions

Totals:	**37,327.32**	**54,303.56**	**0.00**	**-1,631.83**

Calculated Forces

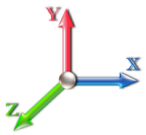
Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-54.21	-37.46	0.00	-4833.6	0.00	4833.61	5032.32	1249.24	5313.25	5304.33	0.00	0.000	0.000	0.923
5.00	-52.39	-37.21	0.00	-4646.3	0.00	4646.30	4975.71	1229.04	5142.79	5159.13	0.15	-0.285	0.000	0.912
10.00	-50.59	-36.94	0.00	-4460.2	0.00	4460.26	4918.28	1208.84	4975.11	5015.04	0.61	-0.573	0.000	0.901
15.00	-48.82	-36.67	0.00	-4275.5	0.00	4275.55	4860.04	1188.63	4810.21	4872.10	1.36	-0.863	0.000	0.889
20.00	-47.08	-36.37	0.00	-4092.1	0.00	4092.18	4800.98	1168.43	4648.09	4730.37	2.42	-1.156	0.000	0.876
25.00	-45.37	-36.03	0.00	-3910.3	0.00	3910.34	4741.11	1148.23	4488.75	4589.88	3.79	-1.450	0.000	0.863
30.00	-43.68	-35.67	0.00	-3730.1	0.00	3730.19	4680.43	1128.03	4332.18	4450.68	5.47	-1.746	0.000	0.848
35.00	-42.02	-35.28	0.00	-3551.8	0.00	3551.85	4618.93	1107.82	4178.40	4312.80	7.45	-2.044	0.000	0.834
40.00	-40.42	-34.84	0.00	-3375.4	0.00	3375.44	4556.62	1087.62	4027.39	4176.29	9.75	-2.343	0.000	0.818
43.25	-39.40	-34.54	0.00	-3262.2	0.00	3262.20	4515.67	1074.49	3930.73	4088.31	11.42	-2.539	0.000	0.808
45.00	-38.42	-34.42	0.00	-3201.7	0.00	3201.76	4493.49	1067.42	3879.16	4041.19	12.37	-2.646	0.000	0.802
49.00	-36.35	-33.96	0.00	-3064.0	0.00	3064.09	3697.88	918.05	3347.70	3341.82	14.69	-2.888	0.000	0.928
50.00	-35.99	-33.96	0.00	-3030.1	0.00	3030.13	3688.23	914.59	3322.49	3320.42	15.30	-2.950	0.000	0.924
55.00	-34.58	-33.51	0.00	-2860.3	0.00	2860.35	3639.50	897.27	3197.87	3213.98	18.56	-3.282	0.000	0.901
60.00	-33.20	-33.06	0.00	-2692.7	0.00	2692.79	3589.95	879.95	3075.63	3108.51	22.18	-3.613	0.000	0.877
65.00	-31.84	-32.59	0.00	-2527.5	0.00	2527.51	3539.58	862.64	2955.77	3004.06	26.13	-3.943	0.000	0.852
70.00	-30.51	-32.10	0.00	-2364.5	0.00	2364.59	3488.40	845.32	2838.29	2900.65	30.44	-4.272	0.000	0.825
75.00	-29.22	-31.61	0.00	-2204.0	0.00	2204.07	3436.41	828.00	2723.20	2798.35	35.08	-4.598	0.000	0.798
80.00	-27.94	-31.11	0.00	-2046.0	0.00	2046.01	3383.61	810.69	2610.49	2697.18	40.06	-4.921	0.000	0.768
85.00	-26.74	-30.56	0.00	-1890.4	0.00	1890.45	3329.98	793.37	2500.16	2597.20	45.38	-5.239	0.000	0.737
87.50	-26.13	-30.31	0.00	-1814.0	0.00	1814.04	3302.87	784.71	2445.89	2547.66	48.16	-5.399	0.000	0.721
90.00	-25.15	-30.01	0.00	-1738.2	0.00	1738.27	3275.55	776.05	2392.21	2498.44	51.03	-5.558	0.000	0.705
92.25	-24.26	-29.74	0.00	-1670.7	0.00	1670.76	2608.31	652.19	2027.40	2009.82	53.68	-5.699	0.000	0.843
95.00	-23.64	-29.49	0.00	-1588.9	0.00	1588.97	2586.56	644.25	1978.35	1968.61	57.01	-5.870	0.000	0.818
100.00	-22.60	-28.98	0.00	-1441.5	0.00	1441.53	2546.40	629.82	1890.72	1894.27	63.33	-6.209	0.000	0.772
105.00	-21.58	-28.45	0.00	-1296.6	0.00	1296.65	2505.42	615.39	1805.07	1820.72	69.99	-6.537	0.000	0.723
110.00	-20.60	-27.92	0.00	-1154.3	0.00	1154.39	2463.62	600.96	1721.41	1747.99	76.99	-6.852	0.000	0.671
115.00	-17.26	-23.77	0.00	-1014.7	0.00	1014.78	2421.01	586.53	1639.73	1676.14	84.31	-7.151	0.000	0.614
120.00	-16.36	-23.23	0.00	-895.91	0.00	895.91	2377.59	572.10	1560.04	1605.21	91.93	-7.434	0.000	0.567
125.00	-15.48	-22.68	0.00	-779.78	0.00	779.78	2333.35	557.67	1482.34	1535.23	99.84	-7.702	0.000	0.516
130.00	-14.66	-22.11	0.00	-666.40	0.00	666.40	2288.30	543.24	1406.61	1466.26	108.02	-7.952	0.000	0.463
132.50	-14.25	-21.84	0.00	-611.12	0.00	611.12	2265.47	536.02	1369.50	1432.16	112.20	-8.071	0.000	0.435
135.00	-13.63	-21.52	0.00	-556.54	0.00	556.54	2238.61	528.81	1332.88	1395.94	116.45	-8.185	0.000	0.406
136.50	-13.24	-21.35	0.00	-524.26	0.00	524.26	1414.08	373.69	950.67	892.77	119.02	-8.250	0.000	0.600
140.00	-12.79	-20.99	0.00	-449.55	0.00	449.55	1397.66	366.62	915.03	865.58	125.10	-8.392	0.000	0.532
145.00	-12.20	-20.46	0.00	-344.62	0.00	344.62	1373.51	356.52	865.29	827.01	133.99	-8.628	0.000	0.429
148.00	-8.93	-15.60	0.00	-283.26	0.00	283.26	1358.62	350.46	836.11	804.04	139.43	-8.750	0.000	0.361
150.00	-8.73	-15.40	0.00	-252.06	0.00	252.06	1348.54	346.41	816.94	788.80	143.10	-8.823	0.000	0.328
155.00	-8.28	-14.88	0.00	-175.08	0.00	175.08	1322.76	336.31	769.98	750.98	152.39	-8.974	0.000	0.241
158.00	-5.86	-10.14	0.00	-130.45	0.00	130.45	1306.90	330.25	742.47	728.50	158.03	-9.045	0.000	0.184
160.00	-5.72	-9.95	0.00	-110.16	0.00	110.16	1296.17	326.21	724.41	713.60	161.81	-9.084	0.000	0.160
165.00	-5.38	-9.45	0.00	-60.44	0.00	60.44	1268.76	316.10	680.23	676.70	171.33	-9.156	0.000	0.094
168.00	-2.11	-3.48	0.00	-32.09	0.00	32.09	1251.92	310.04	654.39	654.81	177.07	-9.182	0.000	0.051
170.00	-1.99	-3.29	0.00	-25.13	0.00	25.13	1240.54	306.00	637.44	640.32	180.90	-9.193	0.000	0.041
175.00	-1.71	-2.82	0.00	-8.69	0.00	8.69	1211.50	295.90	596.04	604.51	190.50	-9.210	0.000	0.016
178.00	0.00	-2.51	0.00	-0.23	0.00	0.23	1193.69	289.83	571.87	583.31	196.26	-9.214	0.000	0.000

Wind Loading - Shaft

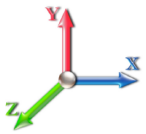
Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 28

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	29.567	32.52	482.37	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	29.567	32.52	474.64	0.730	0.000	5.00	21.699	15.84	515.2	0.0	1081.2
10.00		1.00	0.85	29.567	32.52	466.90	0.730	0.000	5.00	21.348	15.58	506.9	0.0	1063.5
15.00		1.00	0.85	29.567	32.52	459.17	0.730	0.000	5.00	20.997	15.33	498.5	0.0	1045.9
20.00		1.00	0.90	31.372	34.51	465.01	0.730	0.000	5.00	20.646	15.07	520.1	0.0	1028.3
25.00		1.00	0.95	32.881	36.17	467.90	0.730	0.000	5.00	20.296	14.82	535.9	0.0	1010.7
30.00		1.00	0.98	34.168	37.58	468.65	0.730	0.000	5.00	19.945	14.56	547.2	0.0	993.0
35.00		1.00	1.01	35.295	38.82	467.87	0.730	0.000	5.00	19.594	14.30	555.3	0.0	975.4
40.00		1.00	1.04	36.301	39.93	465.92	0.730	0.000	5.00	19.243	14.05	560.9	0.0	957.8
43.25	Bot - Section 2	1.00	1.06	36.903	40.59	464.15	0.730	0.000	3.25	12.320	8.99	365.1	0.0	613.1
45.00		1.00	1.07	37.212	40.93	463.06	0.730	0.000	1.75	6.684	4.88	199.7	0.0	612.6
49.00	Top - Section 1	1.00	1.09	37.886	41.67	460.22	0.730	0.000	4.00	15.115	11.03	459.8	0.0	1385.1
50.00		1.00	1.09	38.047	41.85	467.38	0.730	0.000	1.00	3.744	2.73	114.4	0.0	159.9
55.00		1.00	1.12	38.818	42.70	463.23	0.730	0.000	5.00	18.508	13.51	576.9	0.0	790.4
60.00		1.00	1.14	39.536	43.49	458.55	0.730	0.000	5.00	18.158	13.26	576.5	0.0	775.3
65.00		1.00	1.16	40.208	44.23	453.41	0.730	0.000	5.00	17.807	13.00	574.9	0.0	760.2
70.00		1.00	1.17	40.840	44.92	447.87	0.730	0.000	5.00	17.456	12.74	572.5	0.0	745.1
75.00		1.00	1.19	41.437	45.58	441.98	0.730	0.000	5.00	17.105	12.49	569.2	0.0	730.0
80.00		1.00	1.21	42.004	46.20	435.77	0.730	0.000	5.00	16.755	12.23	565.1	0.0	714.9
85.00		1.00	1.22	42.544	46.80	429.29	0.730	0.000	5.00	16.404	11.97	560.4	0.0	699.8
87.50	Bot - Section 3	1.00	1.23	42.804	47.08	425.94	0.730	0.000	2.50	8.070	5.89	277.4	0.0	344.2
90.00		1.00	1.24	43.059	47.36	422.54	0.730	0.000	2.50	8.115	5.92	280.6	0.0	629.4
92.25	Top - Section 2	1.00	1.24	43.283	47.61	419.43	0.730	0.000	2.25	7.229	5.28	251.2	0.0	560.5
95.00		1.00	1.25	43.552	47.91	422.64	0.730	0.000	2.75	8.738	6.38	305.6	0.0	311.1
100.00		1.00	1.27	44.025	48.43	415.49	0.730	0.000	5.00	15.616	11.40	552.1	0.0	555.8
105.00		1.00	1.28	44.479	48.93	408.15	0.730	0.000	5.00	15.265	11.14	545.2	0.0	543.2
110.00		1.00	1.29	44.917	49.41	400.62	0.730	0.000	5.00	14.915	10.89	537.9	0.0	530.6
115.00	Appurtenance(s)	1.00	1.30	45.339	49.87	392.92	0.730	0.000	5.00	14.564	10.63	530.2	0.0	518.0
120.00		1.00	1.32	45.747	50.32	385.06	0.730	0.000	5.00	14.213	10.38	522.1	0.0	505.5
125.00		1.00	1.33	46.142	50.76	377.06	0.730	0.000	5.00	13.862	10.12	513.6	0.0	492.9
130.00		1.00	1.34	46.525	51.18	368.91	0.730	0.000	5.00	13.512	9.86	504.8	0.0	480.3
132.50	Bot - Section 4	1.00	1.34	46.712	51.38	364.79	0.730	0.000	2.50	6.624	4.84	248.5	0.0	235.4
135.00		1.00	1.35	46.896	51.59	360.64	0.730	0.000	2.50	6.629	4.84	249.6	0.0	397.7
136.50	Top - Section 3	1.00	1.35	47.005	51.71	358.14	0.730	0.000	1.50	3.935	2.87	148.5	0.0	236.1
140.00		1.00	1.36	47.256	51.98	357.41	0.730	0.000	3.50	9.060	6.61	343.8	0.0	226.1
145.00		1.00	1.37	47.607	52.37	348.92	0.730	0.000	5.00	12.645	9.23	483.4	0.0	315.5
148.00	Appurtenance(s)	1.00	1.37	47.812	52.59	343.77	0.730	0.000	3.00	7.418	5.42	284.8	0.0	185.1
150.00		1.00	1.38	47.948	52.74	340.31	0.730	0.000	2.00	4.875	3.56	187.7	0.0	121.6
155.00		1.00	1.39	48.280	53.11	331.61	0.730	0.000	5.00	11.943	8.72	463.0	0.0	297.8
158.00	Appurtenance(s)	1.00	1.39	48.475	53.32	326.33	0.730	0.000	3.00	6.997	5.11	272.4	0.0	174.5
160.00		1.00	1.40	48.604	53.46	322.80	0.730	0.000	2.00	4.595	3.35	179.3	0.0	114.6
165.00		1.00	1.41	48.919	53.81	313.90	0.730	0.000	5.00	11.242	8.21	441.6	0.0	280.2
168.00	Appurtenance(s)	1.00	1.41	49.105	54.02	308.51	0.730	0.000	3.00	6.577	4.80	259.3	0.0	163.9
170.00		1.00	1.42	49.228	54.15	304.90	0.730	0.000	2.00	4.314	3.15	170.5	0.0	107.5
175.00		1.00	1.42	49.529	54.48	295.83	0.730	0.000	5.00	10.540	7.69	419.2	0.0	262.6
178.00	Appurtenance(s)	1.00	1.43	49.707	54.68	290.34	0.730	0.000	3.00	6.156	4.49	245.7	0.0	153.3

Wind Loading - Shaft

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Totals:	**178.00**	**18,592.8**	**24,885.3**

Discrete Appurtenance Forces

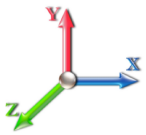
Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 28

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	178.00	Platform w/ Hand Rail	1	49.707	54.677	1.00	1.00	40.00	1440.00	0.000	0.000	2187.10	0.00	0.00
2	178.00	DB220	1	49.886	54.874	1.00	1.00	1.37	11.70	0.000	3.063	75.18	0.00	230.23
3	168.00	RRUS 4415 B25	3	49.105	54.016	0.38	0.75	1.84	124.20	0.000	0.000	99.66	0.00	0.00
4	168.00	KRD 9011461-B66A-B2A	3	49.105	54.016	0.65	0.75	12.74	356.94	0.000	0.000	688.34	0.00	0.00
5	168.00	APXVAARR24_43-U-NA2	3	49.105	54.016	0.52	0.75	31.88	345.60	0.000	0.000	1721.92	0.00	0.00
6	168.00	AIR6449 B41	3	49.105	54.016	0.53	0.75	9.03	278.10	0.000	0.000	487.54	0.00	0.00
7	168.00	ACU-A20-N	4	49.105	54.016	0.38	0.75	0.21	3.60	0.000	0.000	11.34	0.00	0.00
8	168.00	800MHz RRH w/ filter	3	49.105	54.016	0.38	0.75	3.89	184.41	0.000	0.000	210.26	0.00	0.00
9	168.00	4449 B71 + B85	3	49.105	54.016	0.38	0.75	2.22	197.64	0.000	0.000	119.71	0.00	0.00
10	168.00	ALU 800MHz External	3	49.105	54.016	0.38	0.75	0.88	23.76	0.000	0.000	47.40	0.00	0.00
11	168.00	Platform w/ Hand Rail	1	49.105	54.016	1.00	1.00	32.00	1440.00	0.000	0.000	1728.51	0.00	0.00
12	158.00	Low Profile	1	48.475	53.322	1.00	1.00	22.00	1350.00	0.000	0.000	1173.09	0.00	0.00
13	158.00	DC6-48-60-18-8F	1	48.475	53.322	0.40	0.80	0.37	28.62	0.000	0.000	19.62	0.00	0.00
14	158.00	RRUS 11	6	48.475	53.322	0.40	0.80	6.05	273.78	0.000	0.000	322.49	0.00	0.00
15	158.00	DTMABP7819VG12A	6	48.475	53.322	0.40	0.80	2.74	103.68	0.000	0.000	145.89	0.00	0.00
16	158.00	AM-X-CD-16-65-00T-RET	4	48.475	53.322	0.60	0.80	19.25	174.60	0.000	0.000	1026.35	0.00	0.00
17	158.00	7770.00	3	48.475	53.322	0.58	0.80	9.64	94.50	0.000	0.000	513.82	0.00	0.00
18	158.00	SBNH-1D65C	2	48.475	53.322	0.68	0.80	15.59	89.28	0.000	0.000	831.06	0.00	0.00
19	148.00	Samsung	3	47.812	52.594	0.50	0.75	2.83	189.81	0.000	0.000	149.06	0.00	0.00
20	148.00	Low Profile	1	47.744	52.519	1.00	1.00	22.00	1350.00	0.000	-1.000	1155.41	0.00	-1155.41
21	148.00	MT6407-77A	3	47.812	52.594	0.52	0.75	7.39	214.38	0.000	0.000	388.50	0.00	0.00
22	148.00	NNH4-65C-R6	3	47.812	52.594	0.55	0.75	28.42	275.67	0.000	0.000	1494.79	0.00	0.00
23	148.00	Samsung B5/B13 RRH	3	47.812	52.594	0.50	0.75	2.83	227.88	0.000	0.000	149.06	0.00	0.00
24	148.00	RFS DB-C1-12C-24AB-0Z	1	47.744	52.519	0.68	0.75	2.74	28.80	0.000	-1.000	143.93	0.00	-143.93
25	148.00	Support Rail	1	47.744	52.519	1.00	1.00	9.75	365.95	0.000	-1.000	512.06	0.00	-512.06
26	148.00	Kaelus KA-6030	2	47.744	52.519	0.50	0.75	0.96	31.68	0.000	-1.000	50.67	0.00	-50.67
27	115.00	MC-PK8-DSH	1	45.339	49.873	1.00	1.00	37.59	1554.30	0.000	0.000	1874.73	0.00	0.00
28	115.00	Raycap	1	45.339	49.873	0.75	0.75	1.51	19.71	0.000	0.000	75.18	0.00	0.00
29	115.00	Fujitsu TA08025-B605	3	45.339	49.873	0.50	0.75	2.95	202.50	0.000	0.000	147.36	0.00	0.00
30	115.00	Fujitsu TA08025-B604	3	45.339	49.873	0.50	0.75	2.95	172.53	0.000	0.000	147.36	0.00	0.00
31	115.00	MX08FRO665-21	3	45.339	49.873	0.55	0.75	20.80	174.15	0.000	0.000	1037.15	0.00	0.00
							Totals:		**11,327.77**			**18,734.52**		

Total Applied Force Summary

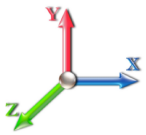
Structure:	CT46127-A-SBA		**Code:**	TIA-222-H	10/20/2023
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 17

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 28

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		515.18	1227.52	0.00	0.00
10.00		506.85	1209.89	0.00	0.00
15.00		498.52	1192.26	0.00	0.00
20.00		520.12	1174.64	0.00	0.00
25.00		535.87	1157.01	0.00	0.00
30.00		547.22	1139.38	0.00	0.00
35.00		555.33	1121.76	0.00	0.00
40.00		560.94	1104.13	0.00	0.00
43.25		365.08	708.23	0.00	0.00
45.00		199.72	663.78	0.00	0.00
49.00		459.84	1502.15	0.00	0.00
50.00		114.38	189.17	0.00	0.00
55.00		576.93	936.79	0.00	0.00
60.00		576.46	921.68	0.00	0.00
65.00		574.93	906.57	0.00	0.00
70.00		572.47	891.46	0.00	0.00
75.00		569.17	876.35	0.00	0.00
80.00		565.13	861.24	0.00	0.00
85.00		560.40	846.13	0.00	0.00
87.50		277.40	417.40	0.00	0.00
90.00		280.59	702.55	0.00	0.00
92.25		251.24	626.37	0.00	0.00
95.00		305.60	391.56	0.00	0.00
100.00		552.06	702.17	0.00	0.00
105.00		545.23	689.58	0.00	0.00
110.00		537.95	676.99	0.00	0.00
115.00	(11) attachments	3812.02	2787.59	0.00	0.00
120.00		522.12	647.13	0.00	0.00
125.00		513.63	634.54	0.00	0.00
130.00		504.79	621.95	0.00	0.00
132.50		248.47	306.25	0.00	0.00
135.00		249.64	468.56	0.00	0.00
136.50		148.54	278.56	0.00	0.00
140.00		343.79	325.25	0.00	0.00
145.00		483.38	457.15	0.00	0.00
148.00	(17) attachments	4328.27	2954.23	0.00	-1862.06
150.00		187.71	153.70	0.00	0.00
155.00		463.02	378.08	0.00	0.00
158.00	(23) attachments	4304.71	2337.07	0.00	0.00
160.00		179.33	124.18	0.00	0.00
165.00		441.60	304.29	0.00	0.00
168.00	(26) attachments	5374.00	3132.59	0.00	0.00
170.00		170.54	108.44	0.00	0.00
175.00		419.20	264.92	0.00	0.00
178.00	(2) attachments	2507.97	1606.42	0.00	230.23

Total Applied Force Summary

Structure:	CT46127-A-SBA		**Code:**	TIA-222-H	10/20/2023
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 18

Tower Engineering Solutions

Totals:	**37,327.32**	**40,727.67**	**0.00**	**-1,631.83**

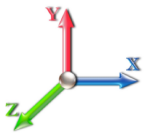
Calculated Forces

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 28

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-40.63	-37.43	0.00	-4743.8	0.00	4743.84	5032.32	1249.24	5313.25	5304.33	0.00	0.000	0.000	0.903
5.00	-39.23	-37.10	0.00	-4556.7	0.00	4556.71	4975.71	1229.04	5142.79	5159.13	0.15	-0.280	0.000	0.892
10.00	-37.84	-36.77	0.00	-4371.2	0.00	4371.20	4918.28	1208.84	4975.11	5015.04	0.59	-0.562	0.000	0.880
15.00	-36.47	-36.44	0.00	-4187.3	0.00	4187.33	4860.04	1188.63	4810.21	4872.10	1.33	-0.846	0.000	0.868
20.00	-35.13	-36.08	0.00	-4005.1	0.00	4005.12	4800.98	1168.43	4648.09	4730.37	2.37	-1.133	0.000	0.855
25.00	-33.80	-35.69	0.00	-3824.7	0.00	3824.72	4741.11	1148.23	4488.75	4589.88	3.71	-1.421	0.000	0.841
30.00	-32.50	-35.28	0.00	-3646.2	0.00	3646.28	4680.43	1128.03	4332.18	4450.68	5.36	-1.710	0.000	0.827
35.00	-31.22	-34.84	0.00	-3469.9	0.00	3469.91	4618.93	1107.82	4178.40	4312.80	7.30	-2.001	0.000	0.812
40.00	-29.99	-34.37	0.00	-3295.6	0.00	3295.69	4556.62	1087.62	4027.39	4176.29	9.55	-2.293	0.000	0.797
43.25	-29.21	-34.05	0.00	-3184.0	0.00	3184.00	4515.67	1074.49	3930.73	4088.31	11.18	-2.485	0.000	0.786
45.00	-28.46	-33.91	0.00	-3124.4	0.00	3124.42	4493.49	1067.42	3879.16	4041.19	12.11	-2.590	0.000	0.780
49.00	-26.89	-33.44	0.00	-2988.8	0.00	2988.80	3697.88	918.05	3347.70	3341.82	14.38	-2.825	0.000	0.903
50.00	-26.60	-33.41	0.00	-2955.3	0.00	2955.35	3688.23	914.59	3322.49	3320.42	14.98	-2.885	0.000	0.899
55.00	-25.51	-32.93	0.00	-2788.3	0.00	2788.30	3639.50	897.27	3197.87	3213.98	18.17	-3.209	0.000	0.876
60.00	-24.44	-32.44	0.00	-2623.6	0.00	2623.66	3589.95	879.95	3075.63	3108.51	21.71	-3.532	0.000	0.852
65.00	-23.39	-31.94	0.00	-2461.4	0.00	2461.48	3539.58	862.64	2955.77	3004.06	25.58	-3.854	0.000	0.827
70.00	-22.37	-31.43	0.00	-2301.7	0.00	2301.79	3488.40	845.32	2838.29	2900.65	29.78	-4.174	0.000	0.801
75.00	-21.37	-30.91	0.00	-2144.6	0.00	2144.66	3436.41	828.00	2723.20	2798.35	34.32	-4.491	0.000	0.774
80.00	-20.39	-30.39	0.00	-1990.1	0.00	1990.10	3383.61	810.69	2610.49	2697.18	39.18	-4.805	0.000	0.745
85.00	-19.48	-29.84	0.00	-1838.1	0.00	1838.14	3329.98	793.37	2500.16	2597.20	44.38	-5.115	0.000	0.715
87.50	-19.01	-29.58	0.00	-1763.5	0.00	1763.55	3302.87	784.71	2445.89	2547.66	47.09	-5.270	0.000	0.699
90.00	-18.26	-29.28	0.00	-1689.6	0.00	1689.61	3275.55	776.05	2392.21	2498.44	49.89	-5.424	0.000	0.683
92.25	-17.58	-29.01	0.00	-1623.7	0.00	1623.74	2608.31	652.19	2027.40	2009.82	52.48	-5.562	0.000	0.817
95.00	-17.10	-28.75	0.00	-1543.9	0.00	1543.95	2586.56	644.25	1978.35	1968.61	55.72	-5.727	0.000	0.793
100.00	-16.30	-28.22	0.00	-1400.2	0.00	1400.22	2546.40	629.82	1890.72	1894.27	61.89	-6.057	0.000	0.748
105.00	-15.52	-27.69	0.00	-1259.1	0.00	1259.14	2505.42	615.39	1805.07	1820.72	68.39	-6.376	0.000	0.700
110.00	-14.77	-27.15	0.00	-1120.7	0.00	1120.71	2463.62	600.96	1721.41	1747.99	75.22	-6.681	0.000	0.649
115.00	-12.34	-23.10	0.00	-984.96	0.00	984.96	2421.01	586.53	1639.73	1676.14	82.36	-6.972	0.000	0.594
120.00	-11.66	-22.55	0.00	-869.48	0.00	869.48	2377.59	572.10	1560.04	1605.21	89.79	-7.247	0.000	0.548
125.00	-11.00	-22.01	0.00	-756.72	0.00	756.72	2333.35	557.67	1482.34	1535.23	97.50	-7.507	0.000	0.499
130.00	-10.38	-21.46	0.00	-646.67	0.00	646.67	2288.30	543.24	1406.61	1466.26	105.47	-7.749	0.000	0.447
132.50	-10.07	-21.19	0.00	-593.02	0.00	593.02	2265.47	536.02	1369.50	1432.16	109.55	-7.865	0.000	0.420
135.00	-9.61	-20.89	0.00	-540.04	0.00	540.04	2238.61	528.81	1332.88	1395.94	113.68	-7.975	0.000	0.393
136.50	-9.32	-20.72	0.00	-508.70	0.00	508.70	1414.08	373.69	950.67	892.77	116.19	-8.039	0.000	0.579
140.00	-8.98	-20.37	0.00	-436.17	0.00	436.17	1397.66	366.62	915.03	865.58	122.12	-8.176	0.000	0.513
145.00	-8.53	-19.85	0.00	-334.33	0.00	334.33	1373.51	356.52	865.29	827.01	130.78	-8.405	0.000	0.414
148.00	-6.22	-15.14	0.00	-274.78	0.00	274.78	1358.62	350.46	836.11	804.04	136.08	-8.524	0.000	0.348
150.00	-6.07	-14.95	0.00	-244.50	0.00	244.50	1348.54	346.41	816.94	788.80	139.65	-8.594	0.000	0.316
155.00	-5.74	-14.44	0.00	-169.76	0.00	169.76	1322.76	336.31	769.98	750.98	148.70	-8.741	0.000	0.232
158.00	-4.08	-9.84	0.00	-126.44	0.00	126.44	1306.90	330.25	742.47	728.50	154.20	-8.809	0.000	0.178
160.00	-3.97	-9.64	0.00	-106.77	0.00	106.77	1296.17	326.21	724.41	713.60	157.88	-8.847	0.000	0.154
165.00	-3.73	-9.16	0.00	-58.55	0.00	58.55	1268.76	316.10	680.23	676.70	167.15	-8.917	0.000	0.090
168.00	-1.47	-3.37	0.00	-31.06	0.00	31.06	1251.92	310.04	654.39	654.81	172.74	-8.942	0.000	0.049
170.00	-1.39	-3.18	0.00	-24.33	0.00	24.33	1240.54	306.00	637.44	640.32	176.47	-8.953	0.000	0.039
175.00	-1.20	-2.73	0.00	-8.41	0.00	8.41	1211.50	295.90	596.04	604.51	185.82	-8.970	0.000	0.015
178.00	0.00	-2.51	0.00	-0.23	0.00	0.23	1193.69	289.83	571.87	583.31	191.44	-8.973	0.000	0.000

Wind Loading - Shaft

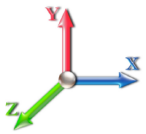
Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 20	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	5.133	5.65	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.133	5.65	0.00	1.200	0.828	5.00	22.389	26.87	151.7	268.2	1709.7
10.00		1.00	0.85	5.133	5.65	0.00	1.200	0.887	5.00	22.087	26.50	149.7	283.2	1701.2
15.00		1.00	0.85	5.133	5.65	0.00	1.200	0.924	5.00	21.767	26.12	147.5	290.3	1684.8
20.00		1.00	0.90	5.447	5.99	0.00	1.200	0.951	5.00	21.439	25.73	154.1	294.0	1665.0
25.00		1.00	0.95	5.709	6.28	0.00	1.200	0.973	5.00	21.106	25.33	159.0	295.7	1643.2
30.00		1.00	0.98	5.932	6.53	0.00	1.200	0.991	5.00	20.770	24.92	162.6	296.1	1620.1
35.00		1.00	1.01	6.128	6.74	0.00	1.200	1.006	5.00	20.432	24.52	165.3	295.6	1596.1
40.00		1.00	1.04	6.302	6.93	0.00	1.200	1.019	5.00	20.093	24.11	167.2	294.3	1571.4
43.25	Bot - Section 2	1.00	1.06	6.407	7.05	0.00	1.200	1.027	3.25	12.877	15.45	108.9	190.6	1008.1
45.00		1.00	1.07	6.460	7.11	0.00	1.200	1.032	1.75	6.984	8.38	59.6	104.1	920.8
49.00	Top - Section 1	1.00	1.09	6.577	7.24	0.00	1.200	1.040	4.00	15.809	18.97	137.3	236.5	2083.3
50.00		1.00	1.09	6.605	7.27	0.00	1.200	1.042	1.00	3.918	4.70	34.2	59.0	272.2
55.00		1.00	1.12	6.739	7.41	0.00	1.200	1.052	5.00	19.385	23.26	172.4	292.6	1346.5
60.00		1.00	1.14	6.864	7.55	0.00	1.200	1.062	5.00	19.042	22.85	172.5	289.7	1323.5
65.00		1.00	1.16	6.980	7.68	0.00	1.200	1.070	5.00	18.699	22.44	172.3	286.5	1300.1
70.00		1.00	1.17	7.090	7.80	0.00	1.200	1.078	5.00	18.355	22.03	171.8	283.1	1276.6
75.00		1.00	1.19	7.194	7.91	0.00	1.200	1.086	5.00	18.010	21.61	171.0	279.5	1252.8
80.00		1.00	1.21	7.292	8.02	0.00	1.200	1.093	5.00	17.665	21.20	170.0	275.7	1228.8
85.00		1.00	1.22	7.386	8.12	0.00	1.200	1.099	5.00	17.320	20.78	168.9	271.7	1204.7
87.50	Bot - Section 3	1.00	1.23	7.431	8.17	0.00	1.200	1.102	2.50	8.530	10.24	83.7	134.8	593.8
90.00		1.00	1.24	7.475	8.22	0.00	1.200	1.106	2.50	8.576	10.29	84.6	135.9	975.1
92.25	Top - Section 2	1.00	1.24	7.514	8.27	0.00	1.200	1.108	2.25	7.644	9.17	75.8	121.5	868.8
95.00		1.00	1.25	7.561	8.32	0.00	1.200	1.112	2.75	9.248	11.10	92.3	147.2	561.9
100.00		1.00	1.27	7.643	8.41	0.00	1.200	1.117	5.00	16.547	19.86	166.9	263.2	1004.3
105.00		1.00	1.28	7.722	8.49	0.00	1.200	1.123	5.00	16.201	19.44	165.1	258.7	983.0
110.00		1.00	1.29	7.798	8.58	0.00	1.200	1.128	5.00	15.855	19.03	163.2	254.1	961.6
115.00	Appurtenance(s)	1.00	1.30	7.871	8.66	0.00	1.200	1.133	5.00	15.508	18.61	161.1	249.4	940.1
120.00		1.00	1.32	7.942	8.74	0.00	1.200	1.138	5.00	15.161	18.19	158.9	244.6	918.5
125.00		1.00	1.33	8.011	8.81	0.00	1.200	1.142	5.00	14.814	17.78	156.7	239.7	896.8
130.00		1.00	1.34	8.077	8.88	0.00	1.200	1.147	5.00	14.467	17.36	154.3	234.7	875.0
132.50	Bot - Section 4	1.00	1.34	8.110	8.92	0.00	1.200	1.149	2.50	7.103	8.52	76.0	116.1	430.0
135.00		1.00	1.35	8.142	8.96	0.00	1.200	1.151	2.50	7.109	8.53	76.4	116.4	646.7
136.50	Top - Section 3	1.00	1.35	8.161	8.98	0.00	1.200	1.153	1.50	4.224	5.07	45.5	69.4	384.1
140.00		1.00	1.36	8.204	9.02	0.00	1.200	1.155	3.50	9.734	11.68	105.4	159.4	460.8
145.00		1.00	1.37	8.265	9.09	0.00	1.200	1.160	5.00	13.611	16.33	148.5	222.4	643.1
148.00	Appurtenance(s)	1.00	1.37	8.301	9.13	0.00	1.200	1.162	3.00	7.999	9.60	87.6	131.6	378.3
150.00		1.00	1.38	8.324	9.16	0.00	1.200	1.163	2.00	5.263	6.32	57.8	86.9	249.0
155.00		1.00	1.39	8.382	9.22	0.00	1.200	1.167	5.00	12.916	15.50	142.9	211.9	609.0
158.00	Appurtenance(s)	1.00	1.39	8.416	9.26	0.00	1.200	1.170	3.00	7.582	9.10	84.2	125.2	357.8
160.00		1.00	1.40	8.438	9.28	0.00	1.200	1.171	2.00	4.985	5.98	55.5	82.6	235.3
165.00		1.00	1.41	8.493	9.34	0.00	1.200	1.175	5.00	12.220	14.66	137.0	201.0	574.7
168.00	Appurtenance(s)	1.00	1.41	8.525	9.38	0.00	1.200	1.177	3.00	7.165	8.60	80.6	118.7	337.2
170.00		1.00	1.42	8.546	9.40	0.00	1.200	1.178	2.00	4.707	5.65	53.1	78.2	221.6
175.00		1.00	1.42	8.599	9.46	0.00	1.200	1.182	5.00	11.525	13.83	130.8	190.0	540.1
178.00	Appurtenance(s)	1.00	1.43	8.630	9.49	0.00	1.200	1.184	3.00	6.747	8.10	76.9	112.0	316.4

Wind Loading - Shaft

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

Totals:	**178.00**	**5,617.0**	**42,372.1**

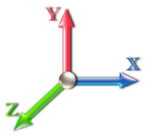
Discrete Appurtenance Forces

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 22	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	178.00	Platform w/ Hand Rail	1	8.630	9.493	1.00	1.00	63.67	2744.06	0.000	0.000	604.41	0.00	0.00
2	178.00	DB220	1	8.661	9.527	1.00	1.00	3.90	32.70	0.000	3.063	37.11	0.00	113.66
3	168.00	RRUS 4415 B25	3	8.525	9.378	0.38	0.75	2.24	220.54	0.000	0.000	20.97	0.00	0.00
4	168.00	KRD 9011461-B66A-B2A	3	8.525	9.378	0.65	0.75	14.19	824.71	0.000	0.000	133.08	0.00	0.00
5	168.00	APXVAARR24_43-U-NA2	3	8.525	9.378	0.52	0.75	33.87	1271.45	0.000	0.000	317.64	0.00	0.00
6	168.00	AIR6449 B41	3	8.525	9.378	0.53	0.75	10.05	553.06	0.000	0.000	94.24	0.00	0.00
7	168.00	ACU-A20-N	4	8.525	9.378	0.38	0.75	0.51	11.19	0.000	0.000	4.78	0.00	0.00
8	168.00	800MHz RRH w/ filter	3	8.525	9.378	0.38	0.75	4.89	351.14	0.000	0.000	45.85	0.00	0.00
9	168.00	4449 B71 + B85	3	8.525	9.378	0.38	0.75	2.65	205.12	0.000	0.000	24.83	0.00	0.00
10	168.00	ALU 800MHz External	3	8.525	9.378	0.38	0.75	1.37	52.37	0.000	0.000	12.83	0.00	0.00
11	168.00	Platform w/ Hand Rail	1	8.525	9.378	1.00	1.00	50.83	2735.85	0.000	0.000	476.65	0.00	0.00
12	158.00	Low Profile	1	8.416	9.257	1.00	1.00	33.84	2377.15	0.000	0.000	313.23	0.00	0.00
13	158.00	DC6-48-60-18-8F	1	8.416	9.257	0.40	0.80	0.49	61.89	0.000	0.000	4.49	0.00	0.00
14	158.00	RRUS 11	6	8.416	9.257	0.40	0.80	7.07	697.58	0.000	0.000	65.41	0.00	0.00
15	158.00	DTMABP7819VG12A	6	8.416	9.257	0.40	0.80	3.97	197.05	0.000	0.000	36.79	0.00	0.00
16	158.00	AM-X-CD-16-65-00T-RET	4	8.416	9.257	0.60	0.80	23.74	481.79	0.000	0.000	219.78	0.00	0.00
17	158.00	7770.00	3	8.416	9.257	0.58	0.80	10.86	377.64	0.000	0.000	100.54	0.00	0.00
18	158.00	SBNH-1D65C	2	8.416	9.257	0.68	0.80	17.11	451.61	0.000	0.000	158.39	0.00	0.00
19	148.00	Samsung	3	8.301	9.131	0.50	0.75	3.39	315.42	0.000	0.000	30.93	0.00	0.00
20	148.00	Low Profile	1	8.289	9.118	1.00	1.00	33.76	2371.44	0.000	-1.000	307.80	0.00	-307.80
21	148.00	MT6407-77A	3	8.301	9.131	0.52	0.75	8.37	508.12	0.000	0.000	76.42	0.00	0.00
22	148.00	NNH4-65C-R6	3	8.301	9.131	0.55	0.75	30.38	1062.39	0.000	0.000	277.43	0.00	0.00
23	148.00	Samsung B5/B13 RRH	3	8.301	9.131	0.50	0.75	3.39	300.62	0.000	0.000	30.93	0.00	0.00
24	148.00	RFS DB-C1-12C-24AB-0Z	1	8.289	9.118	0.68	0.75	3.11	85.65	0.000	-1.000	28.36	0.00	-28.36
25	148.00	Support Rail	1	8.289	9.118	1.00	1.00	16.09	1215.81	0.000	-1.000	146.74	0.00	-146.74
26	148.00	Kaelus KA-6030	2	8.289	9.118	0.50	0.75	1.39	110.60	0.000	-1.000	12.67	0.00	-12.67
27	115.00	MC-PK8-DSH	1	7.871	8.659	1.00	1.00	68.25	2795.12	0.000	0.000	590.98	0.00	0.00
28	115.00	Raycap	1	7.871	8.659	0.75	0.75	1.78	48.15	0.000	0.000	15.45	0.00	0.00
29	115.00	Fujitsu TA08025-B605	3	7.871	8.659	0.50	0.75	3.50	334.07	0.000	0.000	30.34	0.00	0.00
30	115.00	Fujitsu TA08025-B604	3	7.871	8.659	0.50	0.75	3.50	292.34	0.000	0.000	30.34	0.00	0.00
31	115.00	MX08FRO665-21	3	7.871	8.659	0.55	0.75	22.38	597.09	0.000	0.000	193.77	0.00	0.00
							Totals:		**23,683.72**			**4,443.17**		

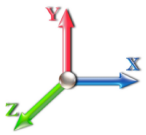
Total Applied Force Summary

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 23	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		151.70	1904.89	0.00	0.00
10.00		149.66	1896.35	0.00	0.00
15.00		147.49	1879.97	0.00	0.00
20.00		154.13	1860.16	0.00	0.00
25.00		159.04	1838.37	0.00	0.00
30.00		162.63	1815.27	0.00	0.00
35.00		165.26	1791.24	0.00	0.00
40.00		167.15	1766.50	0.00	0.00
43.25		108.90	1134.90	0.00	0.00
45.00		59.56	989.12	0.00	0.00
49.00		137.25	2239.39	0.00	0.00
50.00		34.16	311.26	0.00	0.00
55.00		172.45	1541.65	0.00	0.00
60.00		172.53	1518.61	0.00	0.00
65.00		172.29	1495.29	0.00	0.00
70.00		171.78	1471.73	0.00	0.00
75.00		171.03	1447.96	0.00	0.00
80.00		170.04	1423.99	0.00	0.00
85.00		168.86	1399.86	0.00	0.00
87.50		83.67	691.35	0.00	0.00
90.00		84.62	1072.67	0.00	0.00
92.25		75.82	956.65	0.00	0.00
95.00		92.30	669.27	0.00	0.00
100.00		166.94	1199.45	0.00	0.00
105.00		165.14	1178.16	0.00	0.00
110.00		163.20	1156.75	0.00	0.00
115.00	(11) attachments	1022.00	5202.01	0.00	0.00
120.00		158.95	1107.40	0.00	0.00
125.00		156.65	1085.72	0.00	0.00
130.00		154.25	1063.94	0.00	0.00
132.50		76.04	524.42	0.00	0.00
135.00		76.40	741.13	0.00	0.00
136.50		45.50	440.79	0.00	0.00
140.00		105.41	593.02	0.00	0.00
145.00		148.49	831.98	0.00	0.00
148.00	(17) attachments	998.93	6461.70	0.00	-495.57
150.00		57.83	291.81	0.00	0.00
155.00		142.90	715.97	0.00	0.00
158.00	(23) attachments	982.86	5066.72	0.00	0.00
160.00		55.53	248.17	0.00	0.00
165.00		137.00	606.76	0.00	0.00
168.00	(26) attachments	1211.51	6581.87	0.00	0.00
170.00		53.10	222.80	0.00	0.00
175.00		130.81	543.23	0.00	0.00
178.00	(2) attachments	718.38	3095.05	0.00	113.66

Total Applied Force Summary

Structure:	CT46127-A-SBA		**Code:**	TIA-222-H	10/20/2023
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 24

Tower Engineering Solutions

Totals:	**10,060.17**	**72,075.28**	**0.00**	**-381.91**

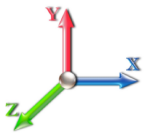
Calculated Forces

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-72.07	-10.11	0.00	-1313.2	0.00	1313.25	5032.32	1249.24	5313.25	5304.33	0.00	0.000	0.000	0.262
5.00	-70.15	-10.05	0.00	-1262.7	0.00	1262.70	4975.71	1229.04	5142.79	5159.13	0.04	-0.078	0.000	0.259
10.00	-68.24	-9.99	0.00	-1212.4	0.00	1212.44	4918.28	1208.84	4975.11	5015.04	0.16	-0.156	0.000	0.256
15.00	-66.35	-9.93	0.00	-1162.4	0.00	1162.49	4860.04	1188.63	4810.21	4872.10	0.37	-0.235	0.000	0.252
20.00	-64.47	-9.86	0.00	-1112.8	0.00	1112.84	4800.98	1168.43	4648.09	4730.37	0.66	-0.314	0.000	0.249
25.00	-62.62	-9.77	0.00	-1063.5	0.00	1063.56	4741.11	1148.23	4488.75	4589.88	1.03	-0.394	0.000	0.245
30.00	-60.80	-9.68	0.00	-1014.6	0.00	1014.69	4680.43	1128.03	4332.18	4450.68	1.49	-0.475	0.000	0.241
35.00	-58.99	-9.59	0.00	-966.28	0.00	966.28	4618.93	1107.82	4178.40	4312.80	2.03	-0.556	0.000	0.237
40.00	-57.22	-9.47	0.00	-918.35	0.00	918.35	4556.62	1087.62	4027.39	4176.29	2.65	-0.637	0.000	0.233
43.25	-56.08	-9.39	0.00	-887.58	0.00	887.58	4515.67	1074.49	3930.73	4088.31	3.10	-0.691	0.000	0.230
45.00	-55.08	-9.36	0.00	-871.16	0.00	871.16	4493.49	1067.42	3879.16	4041.19	3.36	-0.720	0.000	0.228
49.00	-52.84	-9.23	0.00	-833.72	0.00	833.72	3697.88	918.05	3347.70	3341.82	3.99	-0.785	0.000	0.264
50.00	-52.52	-9.24	0.00	-824.49	0.00	824.49	3688.23	914.59	3322.49	3320.42	4.16	-0.802	0.000	0.263
55.00	-50.96	-9.13	0.00	-778.29	0.00	778.29	3639.50	897.27	3197.87	3213.98	5.05	-0.893	0.000	0.256
60.00	-49.43	-9.01	0.00	-732.66	0.00	732.66	3589.95	879.95	3075.63	3108.51	6.03	-0.983	0.000	0.250
65.00	-47.93	-8.88	0.00	-687.62	0.00	687.62	3539.58	862.64	2955.77	3004.06	7.11	-1.073	0.000	0.243
70.00	-46.45	-8.75	0.00	-643.21	0.00	643.21	3488.40	845.32	2838.29	2900.65	8.28	-1.162	0.000	0.235
75.00	-44.99	-8.62	0.00	-599.44	0.00	599.44	3436.41	828.00	2723.20	2798.35	9.54	-1.251	0.000	0.227
80.00	-43.56	-8.49	0.00	-556.33	0.00	556.33	3383.61	810.69	2610.49	2697.18	10.90	-1.338	0.000	0.219
85.00	-42.15	-8.33	0.00	-513.90	0.00	513.90	3329.98	793.37	2500.16	2597.20	12.35	-1.425	0.000	0.211
87.50	-41.46	-8.26	0.00	-493.07	0.00	493.07	3302.87	784.71	2445.89	2547.66	13.11	-1.468	0.000	0.206
90.00	-40.38	-8.18	0.00	-472.42	0.00	472.42	3275.55	776.05	2392.21	2498.44	13.89	-1.512	0.000	0.202
92.25	-39.42	-8.11	0.00	-454.02	0.00	454.02	2608.31	652.19	2027.40	2009.82	14.61	-1.550	0.000	0.241
95.00	-38.74	-8.04	0.00	-431.73	0.00	431.73	2586.56	644.25	1978.35	1968.61	15.52	-1.596	0.000	0.234
100.00	-37.54	-7.90	0.00	-391.52	0.00	391.52	2546.40	629.82	1890.72	1894.27	17.24	-1.688	0.000	0.222
105.00	-36.35	-7.76	0.00	-352.01	0.00	352.01	2505.42	615.39	1805.07	1820.72	19.05	-1.778	0.000	0.208
110.00	-35.19	-7.61	0.00	-313.24	0.00	313.24	2463.62	600.96	1721.41	1747.99	20.96	-1.863	0.000	0.194
115.00	-30.02	-6.45	0.00	-275.21	0.00	275.21	2421.01	586.53	1639.73	1676.14	22.96	-1.944	0.000	0.177
120.00	-28.91	-6.29	0.00	-242.94	0.00	242.94	2377.59	572.10	1560.04	1605.21	25.03	-2.021	0.000	0.164
125.00	-27.82	-6.13	0.00	-211.47	0.00	211.47	2333.35	557.67	1482.34	1535.23	27.19	-2.094	0.000	0.150
130.00	-26.76	-5.96	0.00	-180.81	0.00	180.81	2288.30	543.24	1406.61	1466.26	29.42	-2.161	0.000	0.135
132.50	-26.23	-5.88	0.00	-165.91	0.00	165.91	2265.47	536.02	1369.50	1432.16	30.56	-2.194	0.000	0.128
135.00	-25.49	-5.79	0.00	-151.21	0.00	151.21	2238.61	528.81	1332.88	1395.94	31.71	-2.225	0.000	0.120
136.50	-25.05	-5.74	0.00	-142.53	0.00	142.53	1414.08	373.69	950.67	892.77	32.42	-2.242	0.000	0.178
140.00	-24.46	-5.63	0.00	-122.45	0.00	122.45	1397.66	366.62	915.03	865.58	34.07	-2.281	0.000	0.159
145.00	-23.63	-5.47	0.00	-94.30	0.00	94.30	1373.51	356.52	865.29	827.01	36.50	-2.345	0.000	0.131
148.00	-17.21	-4.21	0.00	-77.90	0.00	77.90	1358.62	350.46	836.11	804.04	37.98	-2.379	0.000	0.110
150.00	-16.92	-4.15	0.00	-69.48	0.00	69.48	1348.54	346.41	816.94	788.80	38.98	-2.399	0.000	0.101
155.00	-16.21	-3.99	0.00	-48.73	0.00	48.73	1322.76	336.31	769.98	750.98	41.52	-2.441	0.000	0.077
158.00	-11.19	-2.79	0.00	-36.77	0.00	36.77	1306.90	330.25	742.47	728.50	43.06	-2.461	0.000	0.059
160.00	-10.94	-2.73	0.00	-31.19	0.00	31.19	1296.17	326.21	724.41	713.60	44.09	-2.472	0.000	0.052
165.00	-10.34	-2.57	0.00	-17.55	0.00	17.55	1268.76	316.10	680.23	676.70	46.69	-2.492	0.000	0.034
168.00	-3.82	-1.07	0.00	-9.85	0.00	9.85	1251.92	310.04	654.39	654.81	48.26	-2.500	0.000	0.018
170.00	-3.60	-1.01	0.00	-7.71	0.00	7.71	1240.54	306.00	637.44	640.32	49.31	-2.503	0.000	0.015
175.00	-3.06	-0.85	0.00	-2.67	0.00	2.67	1211.50	295.90	596.04	604.51	51.93	-2.509	0.000	0.007
178.00	0.00	-0.72	0.00	-0.11	0.00	0.11	1193.69	289.83	571.87	583.31	53.51	-2.510	0.000	0.000

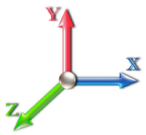
Seismic Segment Forces (Factored)

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 26	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.21	**Iterations**	24
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.20
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.25	**SA**	0.02	**S1**	0.05
						Seismic Importance Factor	1.00



Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	
5.00		1396.4	2.50	59.28	0.01	
10.00		1376.8	7.50	58.45	0.06	
15.00		1357.2	12.50	57.62	0.15	
20.00		1337.6	17.50	56.79	0.29	
25.00		1318.0	22.50	55.96	0.47	
30.00		1298.5	27.50	55.13	0.67	
35.00		1278.9	32.50	54.29	0.91	
40.00		1259.3	37.50	53.46	1.18	
43.25	Bot - Section 2	808.06	41.63	34.31	0.60	
45.00		748.91	44.13	31.79	0.58	
49.00	Top - Section 1	1695.0	47.00	71.96	3.36	
50.00		216.69	49.50	9.20	0.06	
55.00		1073.4	52.50	45.57	1.68	
60.00		1056.6	57.50	44.86	1.95	
65.00		1039.8	62.50	44.14	2.23	
70.00		1023.0	67.50	43.43	2.52	
75.00		1006.2	72.50	42.72	2.81	
80.00		989.46	77.50	42.01	3.11	
85.00		972.67	82.50	41.29	3.41	
87.50	Bot - Section 3	480.04	86.25	20.38	0.91	
90.00		796.87	88.75	33.83	2.64	
92.25	Top - Section 2	710.61	91.13	30.17	2.22	
95.00		452.96	93.63	19.23	0.95	
100.00		812.72	97.50	34.50	3.32	
105.00		798.73	102.50	33.91	3.54	
110.00		784.74	107.50	33.31	3.76	
115.00	Appurtenance(s)	3129.8	112.50	132.87	65.56	
120.00		750.52	117.50	31.86	4.11	
125.00		736.53	122.50	31.27	4.30	
130.00		722.54	127.50	30.67	4.49	
132.50	Bot - Section 4	356.02	131.25	15.11	1.15	
135.00		536.36	133.75	22.77	2.72	
136.50	Top - Section 3	318.96	135.75	13.54	0.99	
140.00		383.43	138.25	16.28	1.49	
145.00		539.43	142.50	22.90	3.12	
148.00	Appurtenance(s)	3301.3	146.50	140.15	123.70	
150.00		177.91	149.00	7.55	0.37	
155.00		437.91	152.50	18.59	2.36	
158.00	Appurtenance(s)	2607.4	156.50	110.69	88.06	
160.00		140.12	159.00	5.95	0.26	
165.00		343.44	162.50	14.58	1.65	
168.00	Appurtenance(s)	3483.8	166.50	147.90	177.93	
170.00		120.69	169.00	5.12	0.22	
175.00		294.87	172.50	12.52	1.37	
178.00	Appurtenance(s)	1785.2	176.50	75.79	52.50	

Seismic Segment Forces (Factored)

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

Totals:	**46,256.2**	**1,963.7**	**579.8**	**Total Wind:**	**37,327.3**

Calculated Forces

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Ev + 1.0Eh

Iterations 24

Gust Response Factor	1.10			**Sds**	0.21			**Ss**	0.20
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09			**S1**	0.05
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.25	**SA**	0.02			**Seismic Importance Factor**	1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-56.27	-0.58	0.00	-93.45	0.00	93.45	5032.32	1249.24	5313.25	5304.33		0.00	0.00	0.029
5.00	-54.57	-0.59	0.00	-90.55	0.00	90.55	4975.71	1229.04	5142.79	5159.13		0.00	-0.01	0.029
10.00	-52.90	-0.59	0.00	-87.62	0.00	87.62	4918.28	1208.84	4975.11	5015.04		0.01	-0.01	0.028
15.00	-51.25	-0.60	0.00	-84.66	0.00	84.66	4860.04	1188.63	4810.21	4872.10		0.03	-0.02	0.028
20.00	-49.63	-0.60	0.00	-81.68	0.00	81.68	4800.98	1168.43	4648.09	4730.37		0.05	-0.02	0.028
25.00	-48.03	-0.60	0.00	-78.68	0.00	78.68	4741.11	1148.23	4488.75	4589.88		0.07	-0.03	0.027
30.00	-46.46	-0.61	0.00	-75.66	0.00	75.66	4680.43	1128.03	4332.18	4450.68		0.11	-0.03	0.027
35.00	-44.91	-0.61	0.00	-72.62	0.00	72.62	4618.93	1107.82	4178.40	4312.80		0.15	-0.04	0.027
40.00	-43.38	-0.61	0.00	-69.57	0.00	69.57	4556.62	1087.62	4027.39	4176.29		0.19	-0.05	0.026
43.25	-42.40	-0.61	0.00	-67.58	0.00	67.58	4515.67	1074.49	3930.73	4088.31		0.23	-0.05	0.026
45.00	-41.48	-0.61	0.00	-66.51	0.00	66.51	4493.49	1067.42	3879.16	4041.19		0.24	-0.05	0.026
49.00	-39.41	-0.61	0.00	-64.05	0.00	64.05	3697.88	918.05	3347.70	3341.82		0.29	-0.06	0.030
50.00	-39.15	-0.61	0.00	-63.44	0.00	63.44	3688.23	914.59	3322.49	3320.42		0.30	-0.06	0.030
55.00	-37.85	-0.61	0.00	-60.38	0.00	60.38	3639.50	897.27	3197.87	3213.98		0.37	-0.07	0.029
60.00	-36.58	-0.62	0.00	-57.30	0.00	57.30	3589.95	879.95	3075.63	3108.51		0.44	-0.07	0.029
65.00	-35.33	-0.62	0.00	-54.22	0.00	54.22	3539.58	862.64	2955.77	3004.06		0.52	-0.08	0.028
70.00	-34.09	-0.62	0.00	-51.14	0.00	51.14	3488.40	845.32	2838.29	2900.65		0.61	-0.09	0.027
75.00	-32.88	-0.62	0.00	-48.06	0.00	48.06	3436.41	828.00	2723.20	2798.35		0.71	-0.09	0.027
80.00	-31.69	-0.61	0.00	-44.99	0.00	44.99	3383.61	810.69	2610.49	2697.18		0.81	-0.10	0.026
85.00	-30.52	-0.61	0.00	-41.92	0.00	41.92	3329.98	793.37	2500.16	2597.20		0.92	-0.11	0.025
87.50	-29.95	-0.61	0.00	-40.39	0.00	40.39	3302.87	784.71	2445.89	2547.66		0.98	-0.11	0.025
90.00	-28.98	-0.61	0.00	-38.86	0.00	38.86	3275.55	776.05	2392.21	2498.44		1.04	-0.12	0.024
92.25	-28.11	-0.61	0.00	-37.49	0.00	37.49	2608.31	652.19	2027.40	2009.82		1.09	-0.12	0.029
95.00	-27.57	-0.61	0.00	-35.82	0.00	35.82	2586.56	644.25	1978.35	1968.61		1.16	-0.12	0.029
100.00	-26.60	-0.61	0.00	-32.79	0.00	32.79	2546.40	629.82	1890.72	1894.27		1.30	-0.13	0.028
105.00	-25.65	-0.60	0.00	-29.76	0.00	29.76	2505.42	615.39	1805.07	1820.72		1.44	-0.14	0.027
110.00	-24.71	-0.60	0.00	-26.75	0.00	26.75	2463.62	600.96	1721.41	1747.99		1.58	-0.15	0.025
115.00	-20.86	-0.53	0.00	-23.75	0.00	23.75	2421.01	586.53	1639.73	1676.14		1.74	-0.15	0.023
120.00	-19.96	-0.52	0.00	-21.12	0.00	21.12	2377.59	572.10	1560.04	1605.21		1.90	-0.16	0.022
125.00	-19.09	-0.52	0.00	-18.51	0.00	18.51	2333.35	557.67	1482.34	1535.23		2.07	-0.17	0.020
130.00	-18.23	-0.51	0.00	-15.92	0.00	15.92	2288.30	543.24	1406.61	1466.26		2.25	-0.17	0.019
132.50	-17.80	-0.51	0.00	-14.64	0.00	14.64	2265.47	536.02	1369.50	1432.16		2.34	-0.17	0.018
135.00	-17.16	-0.51	0.00	-13.37	0.00	13.37	2238.61	528.81	1332.88	1395.94		2.43	-0.18	0.017
136.50	-16.77	-0.51	0.00	-12.61	0.00	12.61	1414.08	373.69	950.67	892.77		2.49	-0.18	0.026
140.00	-16.32	-0.50	0.00	-10.84	0.00	10.84	1397.66	366.62	915.03	865.58		2.62	-0.18	0.024
145.00	-15.69	-0.50	0.00	-8.32	0.00	8.32	1373.51	356.52	865.29	827.01		2.81	-0.19	0.021
148.00	-11.61	-0.36	0.00	-6.82	0.00	6.82	1358.62	350.46	836.11	804.04		2.93	-0.19	0.017
150.00	-11.40	-0.36	0.00	-6.10	0.00	6.10	1348.54	346.41	816.94	788.80		3.01	-0.19	0.016
155.00	-10.88	-0.36	0.00	-4.28	0.00	4.28	1322.76	336.31	769.98	750.98		3.22	-0.20	0.014
158.00	-7.65	-0.26	0.00	-3.21	0.00	3.21	1306.90	330.25	742.47	728.50		3.34	-0.20	0.010
160.00	-7.48	-0.26	0.00	-2.69	0.00	2.69	1296.17	326.21	724.41	713.60		3.42	-0.20	0.010
165.00	-7.06	-0.26	0.00	-1.39	0.00	1.39	1268.76	316.10	680.23	676.70		3.63	-0.20	0.008
168.00	-2.73	-0.06	0.00	-0.62	0.00	0.62	1251.92	310.04	654.39	654.81		3.76	-0.20	0.003
170.00	-2.58	-0.06	0.00	-0.49	0.00	0.49	1240.54	306.00	637.44	640.32		3.84	-0.20	0.003
175.00	-2.22	-0.06	0.00	-0.18	0.00	0.18	1211.50	295.90	596.04	604.51		4.05	-0.20	0.002
178.00	0.00	-0.05	0.00	0.00	0.00	0.00	1193.69	289.83	571.87	583.31		4.18	-0.20	0.000

Calculated Forces

Structure:	CT46127-A-SBA		**Code:**	TIA-222-H	10/20/2023
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 29

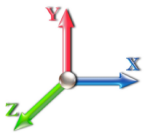
Seismic Segment Forces (Factored)

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 30	

IES Tower Engineering Solutions

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.21	**Iterations**	24
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.20
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.25	**SA**	0.02	**S1**	0.05
						Seismic Importance Factor	1.00



Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	
5.00		1347.6	2.50	57.21	0.01	
10.00		1328.0	7.50	56.38	0.05	
15.00		1308.4	12.50	55.55	0.14	
20.00		1288.8	17.50	54.72	0.28	
25.00		1269.3	22.50	53.89	0.44	
30.00		1249.7	27.50	53.05	0.64	
35.00		1230.1	32.50	52.22	0.86	
40.00		1210.5	37.50	51.39	1.11	
43.25	Bot - Section 2	776.35	41.63	32.96	0.56	
45.00		731.84	44.13	31.07	0.56	
49.00	Top - Section 1	1656.0	47.00	70.30	3.28	
50.00		206.94	49.50	8.79	0.06	
55.00		1024.6	52.50	43.50	1.57	
60.00		1007.8	57.50	42.79	1.82	
65.00		991.04	62.50	42.07	2.08	
70.00		974.25	67.50	41.36	2.34	
75.00		957.46	72.50	40.65	2.61	
80.00		940.67	77.50	39.93	2.87	
85.00		923.89	82.50	39.22	3.14	
87.50	Bot - Section 3	455.65	86.25	19.34	0.84	
90.00		772.48	88.75	32.79	2.54	
92.25	Top - Section 2	688.65	91.13	29.24	2.13	
95.00		426.13	93.63	18.09	0.86	
100.00		763.93	97.50	32.43	3.00	
105.00		749.94	102.50	31.84	3.20	
110.00		735.95	107.50	31.24	3.39	
115.00	Appurtenance(s)	3081.0	112.50	130.80	64.98	
120.00		703.29	117.50	29.86	3.69	
125.00		689.30	122.50	29.26	3.86	
130.00		675.32	127.50	28.67	4.01	
132.50	Bot - Section 4	332.41	131.25	14.11	1.03	
135.00		512.75	133.75	21.77	2.54	
136.50	Top - Section 3	304.79	135.75	12.94	0.93	
140.00		350.37	138.25	14.87	1.27	
145.00		492.20	142.50	20.90	2.66	
148.00	Appurtenance(s)	3273.0	146.50	138.95	124.36	
150.00		167.21	149.00	7.10	0.34	
155.00		411.17	152.50	17.46	2.13	
158.00	Appurtenance(s)	2591.4	156.50	110.01	88.96	
160.00		136.91	159.00	5.81	0.26	
165.00		335.42	162.50	14.24	1.61	
168.00	Appurtenance(s)	3479.0	166.50	147.70	181.49	
170.00		120.38	169.00	5.11	0.22	
175.00		294.09	172.50	12.49	1.39	
178.00	Appurtenance(s)	1784.7	176.50	75.77	53.67	

Seismic Segment Forces (Factored)

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 31

Totals:	**44,751.3**	**1,899.8**	**579.8**	**Total Wind:** **37,327.3**

Calculated Forces

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 32	

Tower Engineering Solutions

Load Case: 0.9D + 1.0Ev + 1.0Eh

Iterations 24

Gust Response Factor	1.10			**Sds**	0.21			**Ss**	0.20
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09			**S1**	0.05
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.25	**SA**	0.02			**Seismic Importance Factor**	1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-42.63	-0.58	0.00	-91.97	0.00	91.97	5032.32	1249.24	5313.25	5304.33		0.00	0.00	0.026
5.00	-41.34	-0.58	0.00	-89.07	0.00	89.07	4975.71	1229.04	5142.79	5159.13		0.00	-0.01	0.026
10.00	-40.08	-0.59	0.00	-86.15	0.00	86.15	4918.28	1208.84	4975.11	5015.04		0.01	-0.01	0.025
15.00	-38.83	-0.59	0.00	-83.21	0.00	83.21	4860.04	1188.63	4810.21	4872.10		0.03	-0.02	0.025
20.00	-37.60	-0.59	0.00	-80.25	0.00	80.25	4800.98	1168.43	4648.09	4730.37		0.05	-0.02	0.025
25.00	-36.39	-0.60	0.00	-77.27	0.00	77.27	4741.11	1148.23	4488.75	4589.88		0.07	-0.03	0.025
30.00	-35.20	-0.60	0.00	-74.29	0.00	74.29	4680.43	1128.03	4332.18	4450.68		0.11	-0.03	0.024
35.00	-34.02	-0.60	0.00	-71.29	0.00	71.29	4618.93	1107.82	4178.40	4312.80		0.14	-0.04	0.024
40.00	-32.87	-0.60	0.00	-68.28	0.00	68.28	4556.62	1087.62	4027.39	4176.29		0.19	-0.05	0.024
43.25	-32.12	-0.60	0.00	-66.32	0.00	66.32	4515.67	1074.49	3930.73	4088.31		0.22	-0.05	0.023
45.00	-31.43	-0.60	0.00	-65.26	0.00	65.26	4493.49	1067.42	3879.16	4041.19		0.24	-0.05	0.023
49.00	-29.86	-0.60	0.00	-62.85	0.00	62.85	3697.88	918.05	3347.70	3341.82		0.29	-0.06	0.027
50.00	-29.66	-0.60	0.00	-62.25	0.00	62.25	3688.23	914.59	3322.49	3320.42		0.30	-0.06	0.027
55.00	-28.68	-0.60	0.00	-59.23	0.00	59.23	3639.50	897.27	3197.87	3213.98		0.36	-0.07	0.026
60.00	-27.71	-0.60	0.00	-56.22	0.00	56.22	3589.95	879.95	3075.63	3108.51		0.44	-0.07	0.026
65.00	-26.77	-0.60	0.00	-53.20	0.00	53.20	3539.58	862.64	2955.77	3004.06		0.51	-0.08	0.025
70.00	-25.83	-0.60	0.00	-50.18	0.00	50.18	3488.40	845.32	2838.29	2900.65		0.60	-0.09	0.025
75.00	-24.92	-0.60	0.00	-47.16	0.00	47.16	3436.41	828.00	2723.20	2798.35		0.69	-0.09	0.024
80.00	-24.01	-0.60	0.00	-44.15	0.00	44.15	3383.61	810.69	2610.49	2697.18		0.80	-0.10	0.023
85.00	-23.13	-0.60	0.00	-41.15	0.00	41.15	3329.98	793.37	2500.16	2597.20		0.90	-0.11	0.023
87.50	-22.69	-0.60	0.00	-39.65	0.00	39.65	3302.87	784.71	2445.89	2547.66		0.96	-0.11	0.022
90.00	-21.96	-0.60	0.00	-38.16	0.00	38.16	3275.55	776.05	2392.21	2498.44		1.02	-0.11	0.022
92.25	-21.30	-0.59	0.00	-36.82	0.00	36.82	2608.31	652.19	2027.40	2009.82		1.07	-0.12	0.026
95.00	-20.89	-0.59	0.00	-35.19	0.00	35.19	2586.56	644.25	1978.35	1968.61		1.14	-0.12	0.026
100.00	-20.16	-0.59	0.00	-32.22	0.00	32.22	2546.40	629.82	1890.72	1894.27		1.27	-0.13	0.025
105.00	-19.44	-0.59	0.00	-29.26	0.00	29.26	2505.42	615.39	1805.07	1820.72		1.41	-0.14	0.024
110.00	-18.73	-0.59	0.00	-26.32	0.00	26.32	2463.62	600.96	1721.41	1747.99		1.56	-0.14	0.023
115.00	-15.81	-0.52	0.00	-23.38	0.00	23.38	2421.01	586.53	1639.73	1676.14		1.71	-0.15	0.020
120.00	-15.13	-0.51	0.00	-20.81	0.00	20.81	2377.59	572.10	1560.04	1605.21		1.87	-0.16	0.019
125.00	-14.47	-0.51	0.00	-18.25	0.00	18.25	2333.35	557.67	1482.34	1535.23		2.04	-0.16	0.018
130.00	-13.82	-0.50	0.00	-15.71	0.00	15.71	2288.30	543.24	1406.61	1466.26		2.21	-0.17	0.017
132.50	-13.50	-0.50	0.00	-14.45	0.00	14.45	2265.47	536.02	1369.50	1432.16		2.30	-0.17	0.016
135.00	-13.01	-0.50	0.00	-13.19	0.00	13.19	2238.61	528.81	1332.88	1395.94		2.39	-0.17	0.015
136.50	-12.72	-0.50	0.00	-12.45	0.00	12.45	1414.08	373.69	950.67	892.77		2.44	-0.18	0.023
140.00	-12.38	-0.50	0.00	-10.71	0.00	10.71	1397.66	366.62	915.03	865.58		2.57	-0.18	0.021
145.00	-11.90	-0.49	0.00	-8.23	0.00	8.23	1373.51	356.52	865.29	827.01		2.76	-0.18	0.019
148.00	-8.80	-0.36	0.00	-6.75	0.00	6.75	1358.62	350.46	836.11	804.04		2.88	-0.19	0.015
150.00	-8.64	-0.36	0.00	-6.03	0.00	6.03	1348.54	346.41	816.94	788.80		2.96	-0.19	0.014
155.00	-8.25	-0.36	0.00	-4.24	0.00	4.24	1322.76	336.31	769.98	750.98		3.16	-0.19	0.012
158.00	-5.80	-0.26	0.00	-3.18	0.00	3.18	1306.90	330.25	742.47	728.50		3.28	-0.19	0.009
160.00	-5.67	-0.26	0.00	-2.66	0.00	2.66	1296.17	326.21	724.41	713.60		3.36	-0.20	0.008
165.00	-5.35	-0.25	0.00	-1.38	0.00	1.38	1268.76	316.10	680.23	676.70		3.57	-0.20	0.006
168.00	-2.07	-0.06	0.00	-0.61	0.00	0.61	1251.92	310.04	654.39	654.81		3.69	-0.20	0.003
170.00	-1.96	-0.06	0.00	-0.49	0.00	0.49	1240.54	306.00	637.44	640.32		3.77	-0.20	0.002
175.00	-1.68	-0.06	0.00	-0.18	0.00	0.18	1211.50	295.90	596.04	604.51		3.98	-0.20	0.002
178.00	0.00	-0.05	0.00	0.00	0.00	0.00	1193.69	289.83	571.87	583.31		4.11	-0.20	0.000

Calculated Forces

Structure:	CT46127-A-SBA		**Code:**	TIA-222-H	10/20/2023
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 33

Wind Loading - Shaft

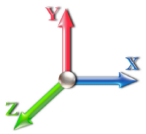
Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 34	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 27

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	6.614	7.28	241.19	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	6.614	7.28	237.32	0.730	0.000	5.00	21.699	15.84	115.2	0.0	1201.3
10.00		1.00	0.85	6.614	7.28	233.45	0.730	0.000	5.00	21.348	15.58	113.4	0.0	1181.7
15.00		1.00	0.85	6.614	7.28	229.58	0.730	0.000	5.00	20.997	15.33	111.5	0.0	1162.1
20.00		1.00	0.90	7.017	7.72	232.50	0.730	0.000	5.00	20.646	15.07	116.3	0.0	1142.5
25.00		1.00	0.95	7.355	8.09	233.95	0.730	0.000	5.00	20.296	14.82	119.9	0.0	1122.9
30.00		1.00	0.98	7.643	8.41	234.33	0.730	0.000	5.00	19.945	14.56	122.4	0.0	1103.4
35.00		1.00	1.01	7.895	8.68	233.93	0.730	0.000	5.00	19.594	14.30	124.2	0.0	1083.8
40.00		1.00	1.04	8.120	8.93	232.96	0.730	0.000	5.00	19.243	14.05	125.5	0.0	1064.2
43.25	Bot - Section 2	1.00	1.06	8.255	9.08	232.08	0.730	0.000	3.25	12.320	8.99	81.7	0.0	681.2
45.00		1.00	1.07	8.324	9.16	231.53	0.730	0.000	1.75	6.684	4.88	44.7	0.0	680.6
49.00	Top - Section 1	1.00	1.09	8.474	9.32	230.11	0.730	0.000	4.00	15.115	11.03	102.9	0.0	1539.0
50.00		1.00	1.09	8.511	9.36	233.69	0.730	0.000	1.00	3.744	2.73	25.6	0.0	177.7
55.00		1.00	1.12	8.683	9.55	231.62	0.730	0.000	5.00	18.508	13.51	129.0	0.0	878.3
60.00		1.00	1.14	8.844	9.73	229.28	0.730	0.000	5.00	18.158	13.26	128.9	0.0	861.5
65.00		1.00	1.16	8.994	9.89	226.71	0.730	0.000	5.00	17.807	13.00	128.6	0.0	844.7
70.00		1.00	1.17	9.135	10.05	223.94	0.730	0.000	5.00	17.456	12.74	128.1	0.0	827.9
75.00		1.00	1.19	9.269	10.20	220.99	0.730	0.000	5.00	17.105	12.49	127.3	0.0	811.1
80.00		1.00	1.21	9.396	10.34	217.89	0.730	0.000	5.00	16.755	12.23	126.4	0.0	794.3
85.00		1.00	1.22	9.516	10.47	214.64	0.730	0.000	5.00	16.404	11.97	125.4	0.0	777.5
87.50	Bot - Section 3	1.00	1.23	9.575	10.53	212.97	0.730	0.000	2.50	8.070	5.89	62.0	0.0	382.5
90.00		1.00	1.24	9.632	10.59	211.27	0.730	0.000	2.50	8.115	5.92	62.8	0.0	699.3
92.25	Top - Section 2	1.00	1.24	9.682	10.65	209.72	0.730	0.000	2.25	7.229	5.28	56.2	0.0	622.8
95.00		1.00	1.25	9.742	10.72	211.32	0.730	0.000	2.75	8.738	6.38	68.4	0.0	345.6
100.00		1.00	1.27	9.848	10.83	207.75	0.730	0.000	5.00	15.616	11.40	123.5	0.0	617.6
105.00		1.00	1.28	9.949	10.94	204.07	0.730	0.000	5.00	15.265	11.14	122.0	0.0	603.6
110.00		1.00	1.29	10.047	11.05	200.31	0.730	0.000	5.00	14.915	10.89	120.3	0.0	589.6
115.00	Appurtenance(s)	1.00	1.30	10.142	11.16	196.46	0.730	0.000	5.00	14.564	10.63	118.6	0.0	575.6
120.00		1.00	1.32	10.233	11.26	192.53	0.730	0.000	5.00	14.213	10.38	116.8	0.0	561.6
125.00		1.00	1.33	10.321	11.35	188.53	0.730	0.000	5.00	13.862	10.12	114.9	0.0	547.6
130.00		1.00	1.34	10.407	11.45	184.46	0.730	0.000	5.00	13.512	9.86	112.9	0.0	533.6
132.50	Bot - Section 4	1.00	1.34	10.449	11.49	182.40	0.730	0.000	2.50	6.624	4.84	55.6	0.0	261.6
135.00		1.00	1.35	10.490	11.54	180.32	0.730	0.000	2.50	6.629	4.84	55.8	0.0	441.9
136.50	Top - Section 3	1.00	1.35	10.514	11.57	179.07	0.730	0.000	1.50	3.935	2.87	33.2	0.0	262.3
140.00		1.00	1.36	10.570	11.63	178.70	0.730	0.000	3.50	9.060	6.61	76.9	0.0	251.2
145.00		1.00	1.37	10.649	11.71	174.46	0.730	0.000	5.00	12.645	9.23	108.1	0.0	350.5
148.00	Appurtenance(s)	1.00	1.37	10.695	11.76	171.88	0.730	0.000	3.00	7.418	5.42	63.7	0.0	205.6
150.00		1.00	1.38	10.725	11.80	170.16	0.730	0.000	2.00	4.875	3.56	42.0	0.0	135.1
155.00		1.00	1.39	10.799	11.88	165.80	0.730	0.000	5.00	11.943	8.72	103.6	0.0	330.9
158.00	Appurtenance(s)	1.00	1.39	10.843	11.93	163.17	0.730	0.000	3.00	6.997	5.11	60.9	0.0	193.9
160.00		1.00	1.40	10.872	11.96	161.40	0.730	0.000	2.00	4.595	3.35	40.1	0.0	127.3
165.00		1.00	1.41	10.942	12.04	156.95	0.730	0.000	5.00	11.242	8.21	98.8	0.0	311.3
168.00	Appurtenance(s)	1.00	1.41	10.984	12.08	154.26	0.730	0.000	3.00	6.577	4.80	58.0	0.0	182.1
170.00		1.00	1.42	11.011	12.11	152.45	0.730	0.000	2.00	4.314	3.15	38.1	0.0	119.4
175.00		1.00	1.42	11.079	12.19	147.91	0.730	0.000	5.00	10.540	7.69	93.8	0.0	291.8
178.00	Appurtenance(s)	1.00	1.43	11.119	12.23	145.17	0.730	0.000	3.00	6.156	4.49	55.0	0.0	170.4

Wind Loading - Shaft

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 35	

Totals:	**178.00**	**4,158.9**	**27,650.3**

Discrete Appurtenance Forces

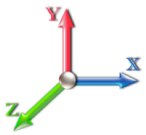
Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 36	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 27

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	178.00	Platform w/ Hand Rail	1	11.119	12.230	1.00	1.00	40.00	1600.00	0.000	0.000	489.22	0.00	0.00
2	178.00	DB220	1	11.159	12.274	1.00	1.00	1.37	13.00	0.000	3.063	16.82	0.00	51.50
3	168.00	RRUS 4415 B25	3	10.984	12.082	0.38	0.75	1.84	138.00	0.000	0.000	22.29	0.00	0.00
4	168.00	KRD 9011461-B66A-B2A	3	10.984	12.082	0.65	0.75	12.74	396.60	0.000	0.000	153.97	0.00	0.00
5	168.00	APXVAARR24_43-U-NA2	3	10.984	12.082	0.52	0.75	31.88	384.00	0.000	0.000	385.17	0.00	0.00
6	168.00	AIR6449 B41	3	10.984	12.082	0.53	0.75	9.03	309.00	0.000	0.000	109.06	0.00	0.00
7	168.00	ACU-A20-N	4	10.984	12.082	0.38	0.75	0.21	4.00	0.000	0.000	2.54	0.00	0.00
8	168.00	800MHz RRH w/ filter	3	10.984	12.082	0.38	0.75	3.89	204.90	0.000	0.000	47.03	0.00	0.00
9	168.00	4449 B71 + B85	3	10.984	12.082	0.38	0.75	2.22	219.60	0.000	0.000	26.78	0.00	0.00
10	168.00	ALU 800MHz External	3	10.984	12.082	0.38	0.75	0.88	26.40	0.000	0.000	10.60	0.00	0.00
11	168.00	Platform w/ Hand Rail	1	10.984	12.082	1.00	1.00	32.00	1600.00	0.000	0.000	386.64	0.00	0.00
12	158.00	Low Profile	1	10.843	11.927	1.00	1.00	22.00	1500.00	0.000	0.000	262.40	0.00	0.00
13	158.00	DC6-48-60-18-8F	1	10.843	11.927	0.40	0.80	0.37	31.80	0.000	0.000	4.39	0.00	0.00
14	158.00	RRUS 11	6	10.843	11.927	0.40	0.80	6.05	304.20	0.000	0.000	72.14	0.00	0.00
15	158.00	DTMABP7819VG12A	6	10.843	11.927	0.40	0.80	2.74	115.20	0.000	0.000	32.63	0.00	0.00
16	158.00	AM-X-CD-16-65-00T-RET	4	10.843	11.927	0.60	0.80	19.25	194.00	0.000	0.000	229.58	0.00	0.00
17	158.00	7770.00	3	10.843	11.927	0.58	0.80	9.64	105.00	0.000	0.000	114.93	0.00	0.00
18	158.00	SBNH-1D65C	2	10.843	11.927	0.68	0.80	15.59	99.20	0.000	0.000	185.90	0.00	0.00
19	148.00	Samsung	3	10.695	11.764	0.50	0.75	2.83	210.90	0.000	0.000	33.34	0.00	0.00
20	148.00	Low Profile	1	10.680	11.748	1.00	1.00	22.00	1500.00	0.000	-1.000	258.45	0.00	-258.45
21	148.00	MT6407-77A	3	10.695	11.764	0.52	0.75	7.39	238.20	0.000	0.000	86.90	0.00	0.00
22	148.00	NNH4-65C-R6	3	10.695	11.764	0.55	0.75	28.42	306.30	0.000	0.000	334.36	0.00	0.00
23	148.00	Samsung B5/B13 RRH	3	10.695	11.764	0.50	0.75	2.83	253.20	0.000	0.000	33.34	0.00	0.00
24	148.00	RFS DB-C1-12C-24AB-0Z	1	10.680	11.748	0.68	0.75	2.74	32.00	0.000	-1.000	32.19	0.00	-32.19
25	148.00	Support Rail	1	10.680	11.748	1.00	1.00	9.75	406.61	0.000	-1.000	114.54	0.00	-114.54
26	148.00	Kaelus KA-6030	2	10.680	11.748	0.50	0.75	0.96	35.20	0.000	-1.000	11.33	0.00	-11.33
27	115.00	MC-PK8-DSH	1	10.142	11.156	1.00	1.00	37.59	1727.00	0.000	0.000	419.35	0.00	0.00
28	115.00	Raycap	1	10.142	11.156	0.75	0.75	1.51	21.90	0.000	0.000	16.82	0.00	0.00
29	115.00	Fujitsu TA08025-B605	3	10.142	11.156	0.50	0.75	2.95	225.00	0.000	0.000	32.96	0.00	0.00
30	115.00	Fujitsu TA08025-B604	3	10.142	11.156	0.50	0.75	2.95	191.70	0.000	0.000	32.96	0.00	0.00
31	115.00	MX08FRO665-21	3	10.142	11.156	0.55	0.75	20.80	193.50	0.000	0.000	231.99	0.00	0.00
							Totals:		**12,586.41**			**4,190.62**		

Total Applied Force Summary

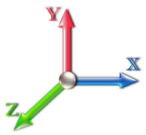
Structure:	CT46127-A-SBA		**Code:**	TIA-222-H	10/20/2023
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 37

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 27

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		115.24	1363.91	0.00	0.00
10.00		113.37	1344.32	0.00	0.00
15.00		111.51	1324.74	0.00	0.00
20.00		116.34	1305.15	0.00	0.00
25.00		119.87	1285.57	0.00	0.00
30.00		122.40	1265.98	0.00	0.00
35.00		124.22	1246.40	0.00	0.00
40.00		125.47	1226.81	0.00	0.00
43.25		81.66	786.92	0.00	0.00
45.00		44.67	737.53	0.00	0.00
49.00		102.86	1669.05	0.00	0.00
50.00		25.58	210.19	0.00	0.00
55.00		129.05	1040.87	0.00	0.00
60.00		128.94	1024.09	0.00	0.00
65.00		128.60	1007.30	0.00	0.00
70.00		128.05	990.51	0.00	0.00
75.00		127.31	973.72	0.00	0.00
80.00		126.41	956.94	0.00	0.00
85.00		125.35	940.15	0.00	0.00
87.50		62.05	463.78	0.00	0.00
90.00		62.76	780.61	0.00	0.00
92.25		56.20	695.97	0.00	0.00
95.00		68.36	435.07	0.00	0.00
100.00		123.49	780.19	0.00	0.00
105.00		121.96	766.20	0.00	0.00
110.00		120.33	752.22	0.00	0.00
115.00	(11) attachments	852.69	3097.33	0.00	0.00
120.00		116.79	719.04	0.00	0.00
125.00		114.89	705.05	0.00	0.00
130.00		112.91	691.06	0.00	0.00
132.50		55.58	340.28	0.00	0.00
135.00		55.84	520.62	0.00	0.00
136.50		33.23	309.52	0.00	0.00
140.00		76.90	361.39	0.00	0.00
145.00		108.12	507.94	0.00	0.00
148.00	(17) attachments	968.17	3282.47	0.00	-416.51
150.00		41.99	170.78	0.00	0.00
155.00		103.57	420.08	0.00	0.00
158.00	(23) attachments	962.90	2596.75	0.00	0.00
160.00		40.11	137.98	0.00	0.00
165.00		98.78	338.09	0.00	0.00
168.00	(26) attachments	1202.08	3480.66	0.00	0.00
170.00		38.15	120.48	0.00	0.00
175.00		93.77	294.35	0.00	0.00
178.00	(2) attachments	560.99	1784.91	0.00	51.50

Total Applied Force Summary

Structure:	CT46127-A-SBA		**Code:**	TIA-222-H	10/20/2023
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 38

Tower Engineering Solutions

Totals:	**8,349.53**	**45,252.97**	**0.00**	**-365.01**

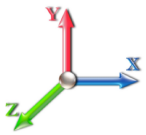
Calculated Forces

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 39	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 27

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-45.25	-8.37	0.00	-1071.7	0.00	1071.76	5032.32	1249.24	5313.25	5304.33	0.00	0.000	0.000	0.211
5.00	-43.88	-8.31	0.00	-1029.8	0.00	1029.89	4975.71	1229.04	5142.79	5159.13	0.03	-0.063	0.000	0.208
10.00	-42.52	-8.24	0.00	-988.36	0.00	988.36	4918.28	1208.84	4975.11	5015.04	0.13	-0.127	0.000	0.206
15.00	-41.19	-8.17	0.00	-947.16	0.00	947.16	4860.04	1188.63	4810.21	4872.10	0.30	-0.191	0.000	0.203
20.00	-39.87	-8.09	0.00	-906.31	0.00	906.31	4800.98	1168.43	4648.09	4730.37	0.54	-0.256	0.000	0.200
25.00	-38.58	-8.01	0.00	-865.84	0.00	865.84	4741.11	1148.23	4488.75	4589.88	0.84	-0.321	0.000	0.197
30.00	-37.31	-7.92	0.00	-825.78	0.00	825.78	4680.43	1128.03	4332.18	4450.68	1.21	-0.387	0.000	0.194
35.00	-36.05	-7.83	0.00	-786.16	0.00	786.16	4618.93	1107.82	4178.40	4312.80	1.65	-0.453	0.000	0.190
40.00	-34.82	-7.73	0.00	-747.00	0.00	747.00	4556.62	1087.62	4027.39	4176.29	2.16	-0.519	0.000	0.187
43.25	-34.03	-7.66	0.00	-721.88	0.00	721.88	4515.67	1074.49	3930.73	4088.31	2.53	-0.562	0.000	0.184
45.00	-33.29	-7.63	0.00	-708.48	0.00	708.48	4493.49	1067.42	3879.16	4041.19	2.74	-0.586	0.000	0.183
49.00	-31.61	-7.53	0.00	-677.95	0.00	677.95	3697.88	918.05	3347.70	3341.82	3.25	-0.640	0.000	0.211
50.00	-31.40	-7.52	0.00	-670.42	0.00	670.42	3688.23	914.59	3322.49	3320.42	3.39	-0.653	0.000	0.210
55.00	-30.35	-7.42	0.00	-632.80	0.00	632.80	3639.50	897.27	3197.87	3213.98	4.11	-0.727	0.000	0.205
60.00	-29.32	-7.32	0.00	-595.69	0.00	595.69	3589.95	879.95	3075.63	3108.51	4.91	-0.800	0.000	0.200
65.00	-28.30	-7.21	0.00	-559.11	0.00	559.11	3539.58	862.64	2955.77	3004.06	5.79	-0.873	0.000	0.194
70.00	-27.31	-7.10	0.00	-523.06	0.00	523.06	3488.40	845.32	2838.29	2900.65	6.74	-0.946	0.000	0.188
75.00	-26.33	-6.99	0.00	-487.56	0.00	487.56	3436.41	828.00	2723.20	2798.35	7.77	-1.018	0.000	0.182
80.00	-25.36	-6.88	0.00	-452.61	0.00	452.61	3383.61	810.69	2610.49	2697.18	8.88	-1.089	0.000	0.175
85.00	-24.42	-6.76	0.00	-418.22	0.00	418.22	3329.98	793.37	2500.16	2597.20	10.06	-1.160	0.000	0.168
87.50	-23.95	-6.70	0.00	-401.34	0.00	401.34	3302.87	784.71	2445.89	2547.66	10.67	-1.195	0.000	0.165
90.00	-23.17	-6.63	0.00	-384.59	0.00	384.59	3275.55	776.05	2392.21	2498.44	11.31	-1.230	0.000	0.161
92.25	-22.47	-6.58	0.00	-369.67	0.00	369.67	2608.31	652.19	2027.40	2009.82	11.89	-1.261	0.000	0.193
95.00	-22.03	-6.52	0.00	-351.58	0.00	351.58	2586.56	644.25	1978.35	1968.61	12.63	-1.299	0.000	0.187
100.00	-21.25	-6.40	0.00	-318.99	0.00	318.99	2546.40	629.82	1890.72	1894.27	14.03	-1.374	0.000	0.177
105.00	-20.48	-6.29	0.00	-286.97	0.00	286.97	2505.42	615.39	1805.07	1820.72	15.51	-1.447	0.000	0.166
110.00	-19.72	-6.17	0.00	-255.52	0.00	255.52	2463.62	600.96	1721.41	1747.99	17.06	-1.516	0.000	0.154
115.00	-16.64	-5.26	0.00	-224.66	0.00	224.66	2421.01	586.53	1639.73	1676.14	18.69	-1.583	0.000	0.141
120.00	-15.92	-5.14	0.00	-198.38	0.00	198.38	2377.59	572.10	1560.04	1605.21	20.38	-1.645	0.000	0.130
125.00	-15.21	-5.02	0.00	-172.70	0.00	172.70	2333.35	557.67	1482.34	1535.23	22.14	-1.705	0.000	0.119
130.00	-14.52	-4.89	0.00	-147.63	0.00	147.63	2288.30	543.24	1406.61	1466.26	23.95	-1.760	0.000	0.107
132.50	-14.18	-4.83	0.00	-135.40	0.00	135.40	2265.47	536.02	1369.50	1432.16	24.88	-1.787	0.000	0.101
135.00	-13.66	-4.76	0.00	-123.32	0.00	123.32	2238.61	528.81	1332.88	1395.94	25.82	-1.812	0.000	0.095
136.50	-13.35	-4.73	0.00	-116.17	0.00	116.17	1414.08	373.69	950.67	892.77	26.39	-1.826	0.000	0.140
140.00	-12.99	-4.65	0.00	-99.63	0.00	99.63	1397.66	366.62	915.03	865.58	27.74	-1.858	0.000	0.125
145.00	-12.48	-4.53	0.00	-76.39	0.00	76.39	1373.51	356.52	865.29	827.01	29.72	-1.910	0.000	0.102
148.00	-9.23	-3.46	0.00	-62.79	0.00	62.79	1358.62	350.46	836.11	804.04	30.93	-1.937	0.000	0.085
150.00	-9.06	-3.41	0.00	-55.88	0.00	55.88	1348.54	346.41	816.94	788.80	31.74	-1.953	0.000	0.078
155.00	-8.64	-3.30	0.00	-38.81	0.00	38.81	1322.76	336.31	769.98	750.98	33.81	-1.987	0.000	0.058
158.00	-6.08	-2.25	0.00	-28.91	0.00	28.91	1306.90	330.25	742.47	728.50	35.06	-2.002	0.000	0.044
160.00	-5.94	-2.20	0.00	-24.41	0.00	24.41	1296.17	326.21	724.41	713.60	35.90	-2.011	0.000	0.039
165.00	-5.61	-2.09	0.00	-13.39	0.00	13.39	1268.76	316.10	680.23	676.70	38.02	-2.027	0.000	0.024
168.00	-2.17	-0.77	0.00	-7.11	0.00	7.11	1251.92	310.04	654.39	654.81	39.29	-2.033	0.000	0.013
170.00	-2.05	-0.73	0.00	-5.56	0.00	5.56	1240.54	306.00	637.44	640.32	40.14	-2.035	0.000	0.010
175.00	-1.76	-0.62	0.00	-1.92	0.00	1.92	1211.50	295.90	596.04	604.51	42.28	-2.039	0.000	0.005
178.00	0.00	-0.56	0.00	-0.05	0.00	0.05	1193.69	289.83	571.87	583.31	43.56	-2.040	0.000	0.000

Final Analysis Summary

Structure:	CT46127-A-SBA	**Code:**	TIA-222-H	10/20/2023	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 40	

Tower Engineering Solutions

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.0W 120 mph Wind	37.5	0.00	54.21	0.00	0.00	4833.61
0.9D + 1.0W 120 mph Wind	37.4	0.00	40.63	0.00	0.00	4743.84
1.2D + 1.0Di + 1.0Wi 50 mph Wind	10.1	0.00	72.07	0.00	0.00	1313.25
1.2D + 1.0Ev + 1.0Eh	0.6	0.00	56.27	0.00	0.00	93.45
0.9D + 1.0Ev + 1.0Eh	0.6	0.00	42.63	0.00	0.00	91.97
1.0D + 1.0W 60 mph Wind	8.4	0.00	45.25	0.00	0.00	1071.76

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.0W 120 mph Wind	-36.35	-33.96	0.00	-3064.0	0.00	-3064.0	3697.88	918.05	3347.70	3341.82	49.00	0.928
0.9D + 1.0W 120 mph Wind	-40.63	-37.43	0.00	-4743.8	0.00	-4743.8	5032.32	1249.2	5313.25	5304.33	0.00	0.903
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-52.84	-9.23	0.00	-833.72	0.00	-833.72	3697.88	918.05	3347.70	3341.82	49.00	0.264
1.2D + 1.0Ev + 1.0Eh	-39.41	-0.61	0.00	-64.05	0.00	-64.05	3697.88	918.05	3347.70	3341.82	49.00	0.030
0.9D + 1.0Ev + 1.0Eh	-29.86	-0.60	0.00	-62.85	0.00	-62.85	3697.88	918.05	3347.70	3341.82	49.00	0.027
1.0D + 1.0W 60 mph Wind	-31.61	-7.53	0.00	-677.95	0.00	-677.95	3697.88	918.05	3347.70	3341.82	49.00	0.211

Base Plate Summary

Structure:	CT46127-A-SB		**Code:**	TIA-222-H	10/20/2023
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 41

Tower Engineering Solutions

Reactions	
Original Design	
Moment (kip-ft):	3840.00
Axial (kip):	34.00
Shear (kip):	30.00
Analysis (1.2D + 1.0W)	
Moment (kip-ft):	4833.61
Axial (kip):	54.21
Shear (kip):	37.46

Base Plate	
Yield (ksi):	50.00
Width (in):	57.00
Style:	Clipped
Polygon Sides:	4.00
Clip Length (in):	6.00
Effective Len (in):	8.17
Moment (kip-in):	727.56
Allow Stress (ksi):	67.50
Applied Stress (ksi):	50.63
Stress Ratio:	0.75

Anchor Bolts	
Bolt Circle:	59.00
Number Bolts:	16.00
Bolt Type:	2.25" 18J
Bolt Diameter (in):	2.25
Yield (ksi):	75.00
Ultimate (ksi):	100.00
Arrangement:	Clustered
Cluster Dist (in):	6.00
Start Angle (deg):	45.00
Compression	
Force (kip):	249.16
Allowable (kip):	268.39
Ratio:	0.93
Tension	
Force (kip):	242.39
Allowable (kip):	243.75
Ratio:	0.99

Monopole Mat Foundation Design

				Date
				10/20/2023
	Customer Name:	Dish Wireless	**TIA Standard:**	TIA-222-H
	Site Name:		**Structure Height (Ft.):**	178
	Site Number:	CT46127-A-SBA	**Engineer Name:**	C. Zang
	Engr. Number:	142927	**Engineer Login ID:**	

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

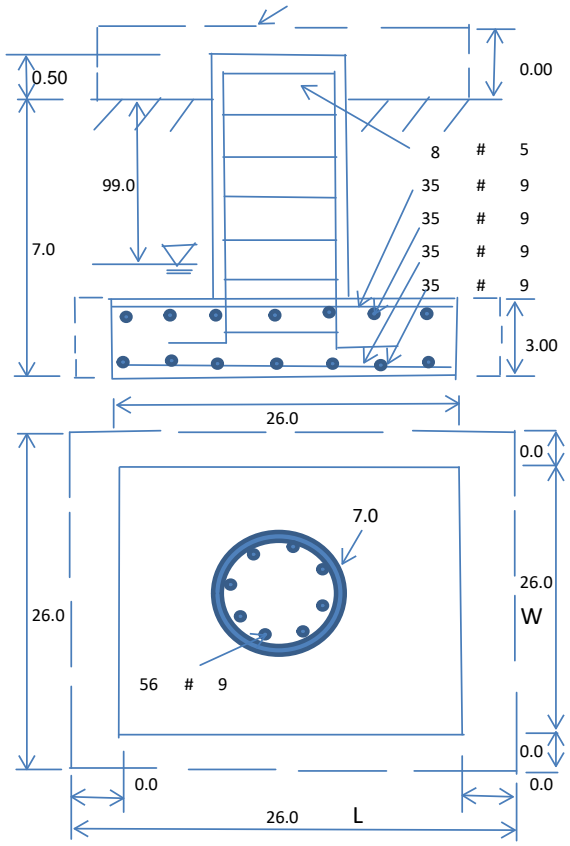
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	54.2	Shear Force (Kips):	37.5
Uplift Force (Kips):	0.0	Moment (Kips-ft):	4833.6
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	7.0	Depth of Base BG (ft.):	7.0
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	3.00
Length of Pad (ft.):	26	Width of Pad (ft.):	26
Final Length of pad (ft)	26.0	Final width of pad (ft):	26.0



Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	40	
Vertical Rebar Size #:	9	Tie / Stirrup Size #:	5	
Qty. of Vertical Rebars:	56	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	9	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	35	Qty. of Rebar in Pad (W):	35	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	35	Qty. of Rebar in Pad (W):	35	
Apply 1.35 factor for e/w Per G:	1.35			

Soil Design Parameters:

Soil Unit Weight (pcf):	110.0	Soil Buoyant Weight:	50.0	Pcf		
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	12000	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	Yes		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	Yes	Reduction factor on the maximum soil bearing pressure:			1.00	

Foundation Analysis and Design: Uplift Strength Reduction Factor: 0.75 — Compression Strength Reduction Factor: 0.75

Total Dry Soil Volume (cu. Ft.):	2550.06	Total Dry Soil Weight (Kips):	280.51
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	280.51	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	2201.18	Total Dry Concrete Weight (Kips):	330.18
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	330.18	Total Vertical Load on Base (Kips):	664.89

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	3061	<	Allowable Factored Soil Bearing (psf):	9000	0.34	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	7849.7	>	Design Factored Momont (kips-ft):	4915	0.63	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.60	OK!				

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90		Strength reduction factor (Shear):	0.75		
Strength reduction factor (Axial compresion):	0.65		Wind Load Factor on Concrete Design:	1.00		
					Load/ Capacity Ratio	
(1) Concrete Pier:						
Vertical Steel Rebar Area (sq. in./each):	1.00		Tie / Stirrup Area (sq. in./each):	0.31		
Calculated Moment Capacity (Mn,Kips-Ft):	8863.4	>	Design Factored Moment (Mu, Kips-F	5002.2	0.56	OK!
Calculated Shear Capacity (Kips):	594.2	>	Design Factored Shear (Kips):	37.5	0.06	OK!
Calculated Tension Capacity (Tn, Kips):	3024.0	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	7274.1	>	Design Factored Axial Load (Pu Kips):	54.2	0.01	OK!
Moment & Axial Strength Combination:	0.56	OK!	Check Tie Spacing (Design/Required):		1	OK!
Pier Reinforcement Ratio:	0.010		Reinforcement Ratio is satisfied per ACI			
(2).Concrete Pad:						
One-Way Design Shear Capacity (L-Direction, Kips):	831.5	>	One-Way Factored Shear (L-D. Kips):	294.5	0.35	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	831.5	>	One-Way Factored Shear (W-D., Kips)	294.5	0.35	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	779.1	>	One-Way Factored Shear (C-C, Kips):	287.0	0.37	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0035	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0035		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	4901.0	>	Moment at Bottom (L-Dir. K-Ft):	1665.3	0.34	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	4901.0	>	Moment at Bottom (W-Dir. K-Ft):	1665.3	0.34	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	6862.0	>	Moment at Bottom (C-C Dir. K-Ft):	2355.1	0.34	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0035	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0035		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	4901.0	>	Moment at the top (L-Dir K-Ft):	784.5	0.16	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	4901.0	>	Moment at the top (W-Dir K-Ft):	784.5	0.16	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	6862.0	>	Moment at the top (C-C Dir. K-Ft):	735.1	0.11	OK!
(3).Check Punching Shear Capacity due to Moment in the Pier:						
Moment transferred by punching shear:	1933.4	k-ft.	Max. factored shear stress v_{u_CD}:		5.7	Psi
Max. factored shear stress v_{u_AB}:	12.9	Psi	Factored shear Strength ϕv_n:		164.3	Psi
Max. factored shear stress v_u:	12.9	Psi	Check Usage of Punching Shear Capacity:		0.08	OK!
(4).Check Bending Capacity of the Pad Within the Effective Slab Width:						
Overturning moment to be transferred by flexure:	1450.1	k-ft.	Effective Width for resisting OT moment:		16.0	ft.
Calculated number of Rebar in Effective width:	22		Actual number of Rebar in Effective width:		22	
Steel Pad Moment Capacity (L-Direc. Kips-ft):	3077.9	k-ft.	Check Usage of the Flexure Capacity:		0.47	OK!

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Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10212331
Colliers Engineering & Design Project #: 23777306

October 26, 2023

Site Information	*Site ID:*	*5000383390-VZW / OXFORD SW CT*
	Site Name:	*OXFORD SW CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*129-133 Coppermine Rd* *Oxford, Connecticut 06478* *New Haven County*
	Latitude:	*41.38806944°*
	Longitude:	*-73.17224167°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*12.92-Ft Platform*

FUZE ID # 17136770

Analysis Results

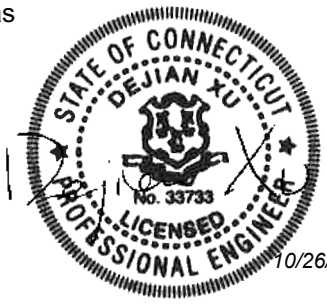
Platform: **63.9% Pass***

***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: Carol Luengas



10/26/2023

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 675008, dated April 20, 2023*
Mount Mapping Report	*Level-Up Towers, Site #: 467322, dated February 15, 2021*
Mount Modification Report	*Colliers Engineering & Design Project #: 21777097 Rev 2, dated May 19, 2023*
Filter Add Guidance	*Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H Connecticut State Building Code, Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.993
Seismic Parameters:	S_S:	0.199 g
	S_1:	0.054 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
147.00	148.00	3	Samsung	MT6407-77A	Retained
		3	Commscope	NNH4-65C-R6	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	RF4440d-13A	
		3	Samsung	RF4439d-25A	
		2	KAelus	KA-6030	Added

The recent mount mapping did not report existing OVP units. However, 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.

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Crossmember	15.4 %	Pass
Grating Support	21.1 %	Pass
Mount Pipe	39.4 %	Pass
Face Horizontal	11.0 %	Pass
Standoff Horizontal	30.6 %	Pass
Corner Plate	21.4 %	Pass
Crossmember Plate	40.1 %	Pass
Support Rail	15.0 %	Pass
Support Rail Corner	28.6 %	Pass
Mount Connection	63.9 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**63.9%**

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

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	26.1	26.1	39.8	39.8
0.5	34.2	34.2	53.7	53.7
1	41.6	41.6	66.8	66.8

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

Requirements:

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

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

Contractor shall verify modifications detailed in the Mount Modification Report by Colliers Engineering & Design (Project #: 21777097 Rev 2) dated May 19, 2023 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications.**

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

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

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MDG #: 5000383390 SMART Project #: 10212331 Fuze Project ID: 17136770

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

OR

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

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

Issue:

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams. Contractor shall verify modifications detailed in the Mount Modification Report by Colliers Engineering & Design (Project #: 21777097 Rev 2) dated May 19, 2023 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications.**

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:	

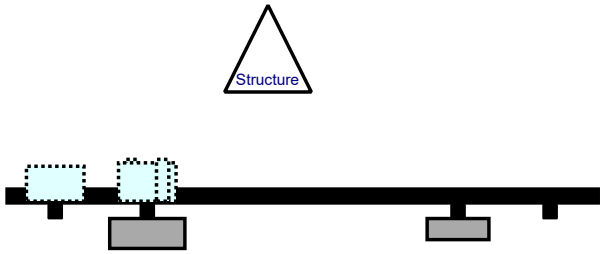
Structure: 5000383390-VZW - OXFORD SW CT

Sector: **A** 10/25/2023

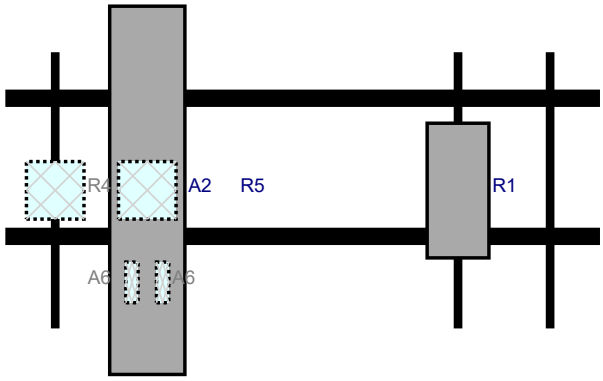
Structure Type: Monopole 10212331

Mount Elev: 147.00 Page: 1

Plan View



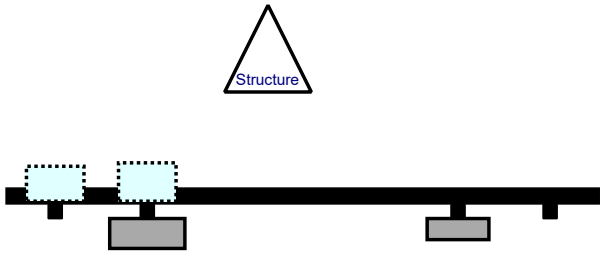
Front View - Looking at Structure



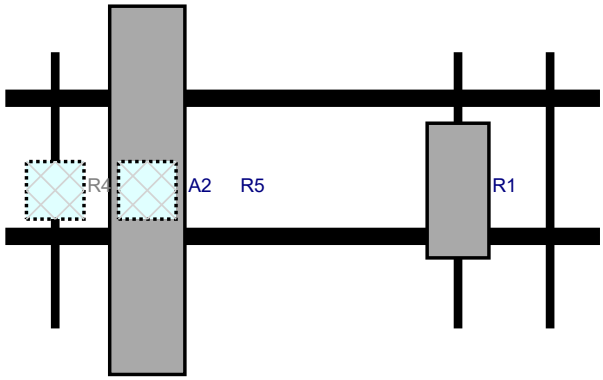
4 3 2 1

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
R1	MT6407-77A	35.1	16.1	118	2	a	Front	36.06	0	Retained	
A2	NNH4-65C-R6	96	19.6	37	3	a	Front	36	0	Retained	
R5	RF4439d-25A	15	15	37	3	a	Behind	36	0	Retained	
A6	KA-6030	10.6	3.2	37	3	a	Behind	60	4	Added	
A6	KA-6030	10.6	3.2	37	3	b	Behind	60	-4	Added	
R4	RF4440d-13A	15	15	13	4	a	Behind	36	0	Retained	
OVP	RVZDC-6627-PF-48	29.5	16.5		Member					Retained	

Plan View

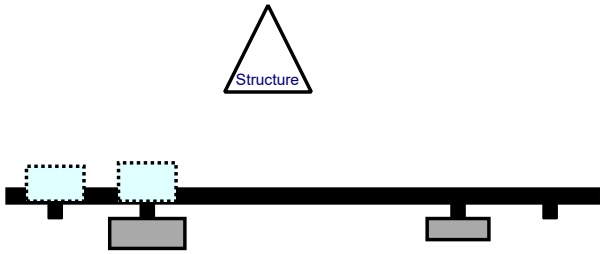


Front View - Looking at Structure

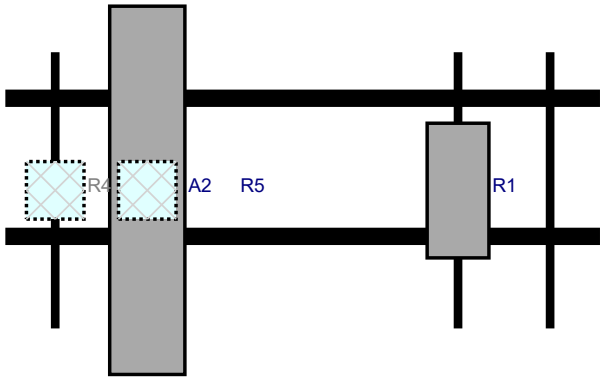


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R1	MT6407-77A	35.1	16.1	118	2	a	Front	36.06	0	Retained	
A2	NNH4-65C-R6	96	19.6	37	3	a	Front	36	0	Retained	
R5	RF4439d-25A	15	15	37	3	a	Behind	36	0	Retained	
R4	RF4440d-13A	15	15	13	4	a	Behind	36	0	Retained	

Plan View



Front View - Looking at Structure



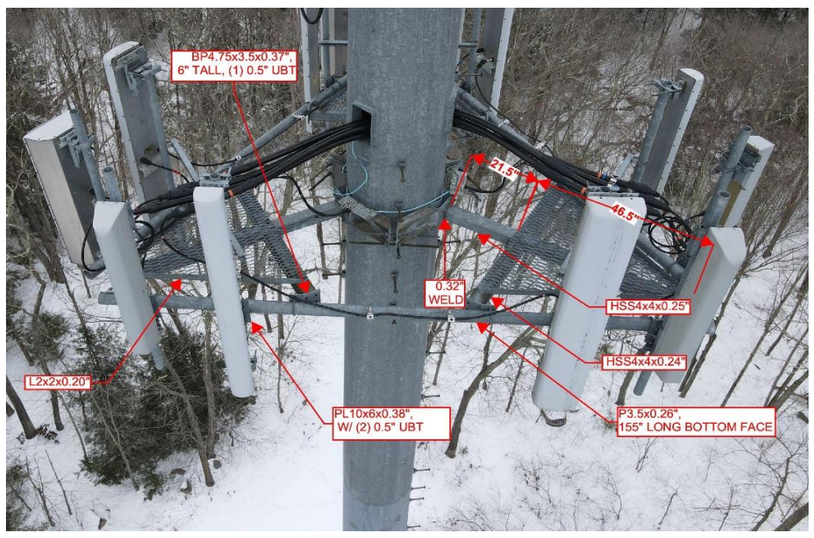
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R1	MT6407-77A	35.1	16.1	118	2	a	Front	36.06	0	Retained	
A2	NNH4-65C-R6	96	19.6	37	3	a	Front	36	0	Retained	
R5	RF4439d-25A	15	15	37	3	a	Behind	36	0	Retained	
R4	RF4440d-13A	15	15	13	4	a	Behind	36	0	Retained	

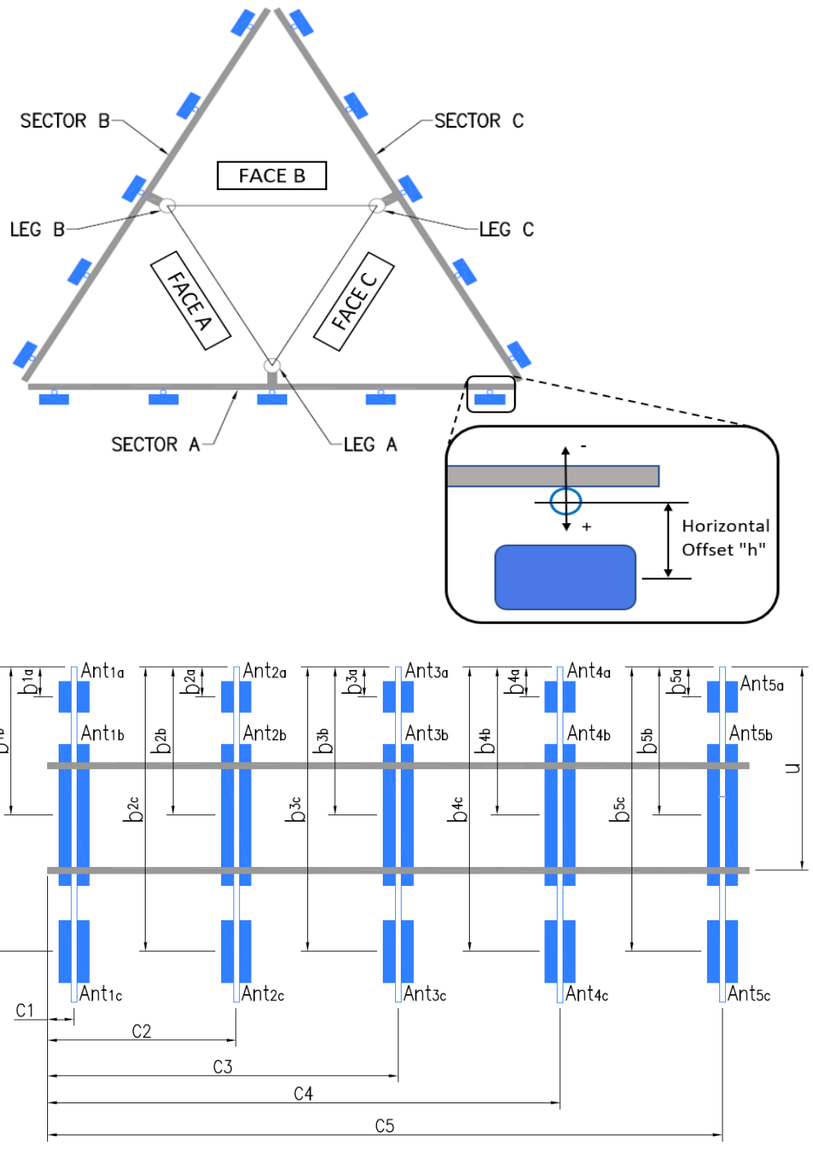
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

Tower Owner:	SBA	**Mapping Date:**	2/15/2021
Site Name:		**Tower Type:**	Monopole
Site Number or ID:		**Tower Height (Ft.):**	
Mapping Contractor:	LEVEL-UP TOWERS	**Mount Elevation (Ft.):**	134

FCC #





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	72x2.38x.19	48.00	13.00	C1	72x2.38x.19	48.00	13.00
A2	72x2.38x.19	48.00	37.00	C2	72x2.38x.19	48.00	37.00
A3	72x2.38x.19	48.00	118.00	C3	72x2.38x.19	48.00	118.00
A4	72x2.38x.19	48.00	142.00	C4	72x2.38x.19	48.00	142.00
A5				C5			
A6				C6			
B1	72x2.38x.19	48.00	13.00	D1			
B2	72x2.38x.19	48.00	37.00	D2			
B3	72x2.38x.19	48.00	118.00	D3			
B4	72x2.38x.19	48.00	142.00	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. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

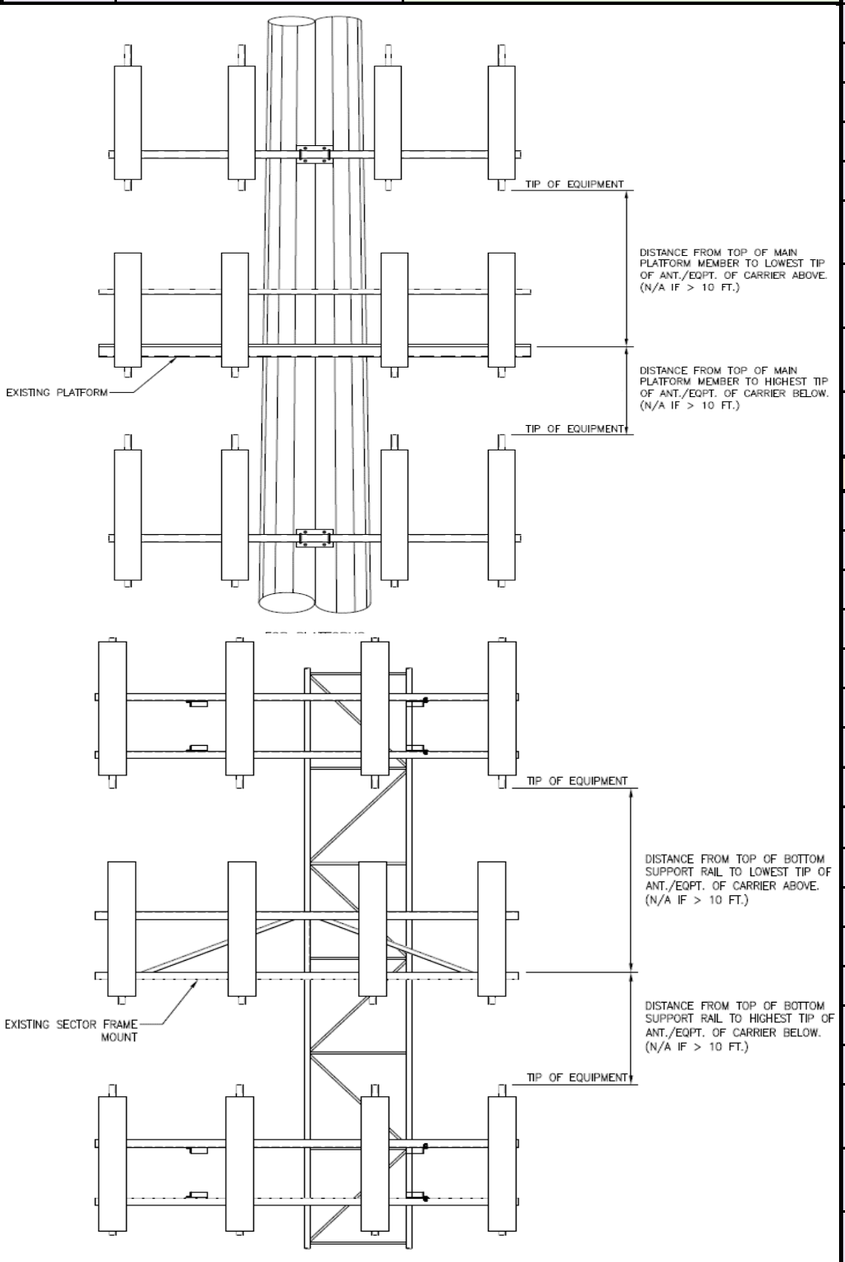
Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	28.66

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	LPA-80063-4CF-EDIN-	15.00	13.00	48.00	(1) 1 5/8	135.5	30.00	11.00	30.00	81
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	BXA700638CFEDIN2	11.50	5.00	72.00	(2) 1 5/8	135.917	25.00	8.00	30.00	77
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	17106312BFEDIN2	6.00	4.00	73.00		135.667	28.00	6.00	30.00	74
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	LPA-80063-4CF-EDIN-	15.00	13.00	48.00	(1) 1 5/8	135.5	30.00	11.00	30.00	71
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

Climbing Facility Information			
Location:	FACE	Deg	Sector B
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Missing climbing members.



Sector B										
Ant_{1a}	DB844F90A-SX	6.50	8.00	46.00	(1) 1 5/8	135.833	26.00	7.00	150.00	68
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	BXA700638CFEDIN2	11.50	5.00	72.00	(2) 1 5/8	135.667	28.00	8.00	150.00	64
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	17106312BFEDIN2	6.00	4.00	73.00		135.5	30.00	6.00	150.00	60
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	DB844F90A-SX	6.50	8.00	46.00	(1) 1 5/8	135.833	26.00	7.00	150.00	57
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	DB844F90A-SX	6.50	8.00	46.00	(1) 1 5/8	135.833	26.00	7.00	270.00	53
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	BXA700638CFEDIN2	11.50	5.00	72.00	(2) 1 5/8	135.667	28.00	8.00	270.00	50
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	17106312BFEDIN2	6.00	4.00	73.00		135.5	30.00	6.00	270.00	47
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	DB844F90A-SX	6.50	8.00	46.00	(1) 1 5/8	135.833	26.00	7.00	270.00	43
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		

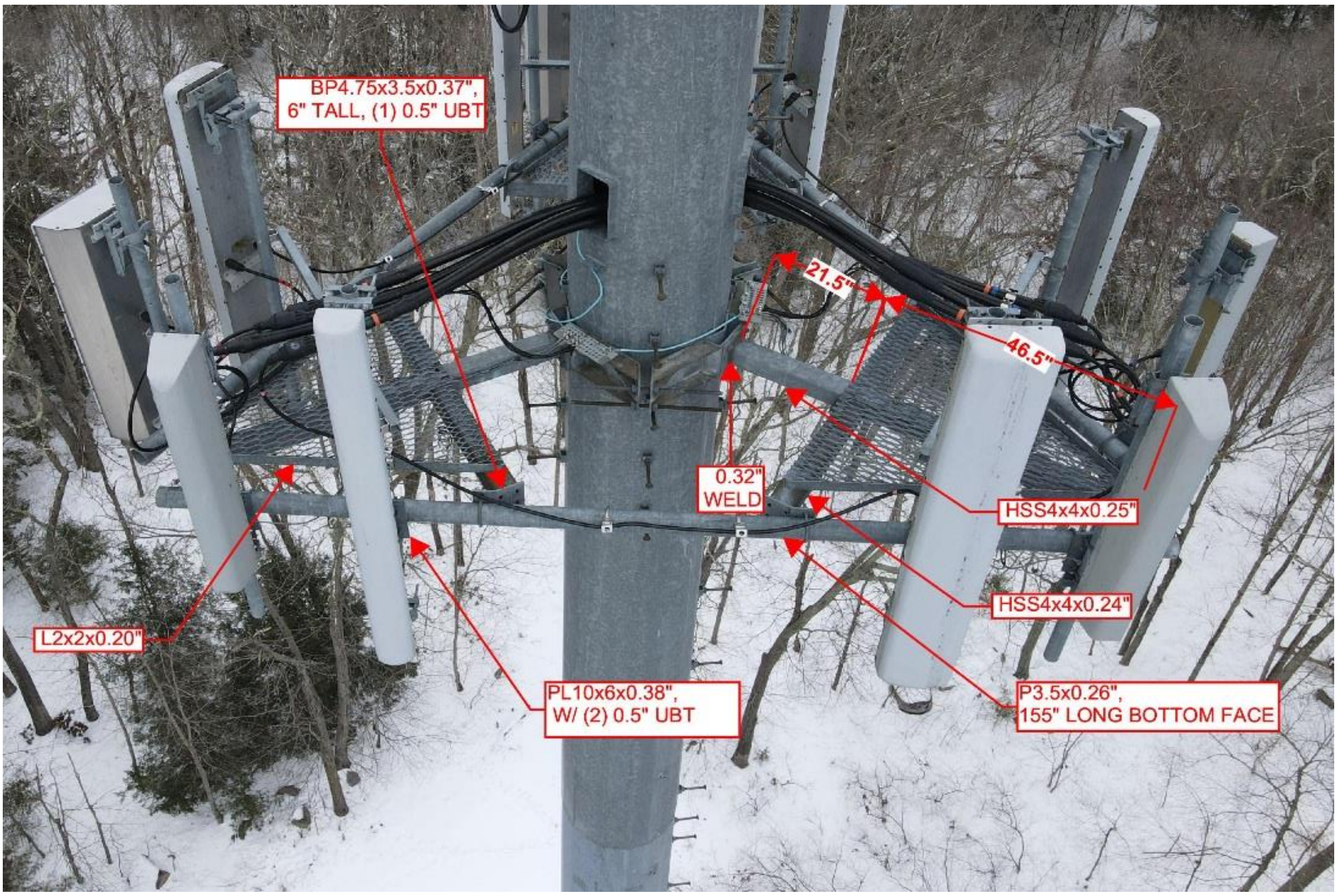
Mapping Notes
1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use 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.

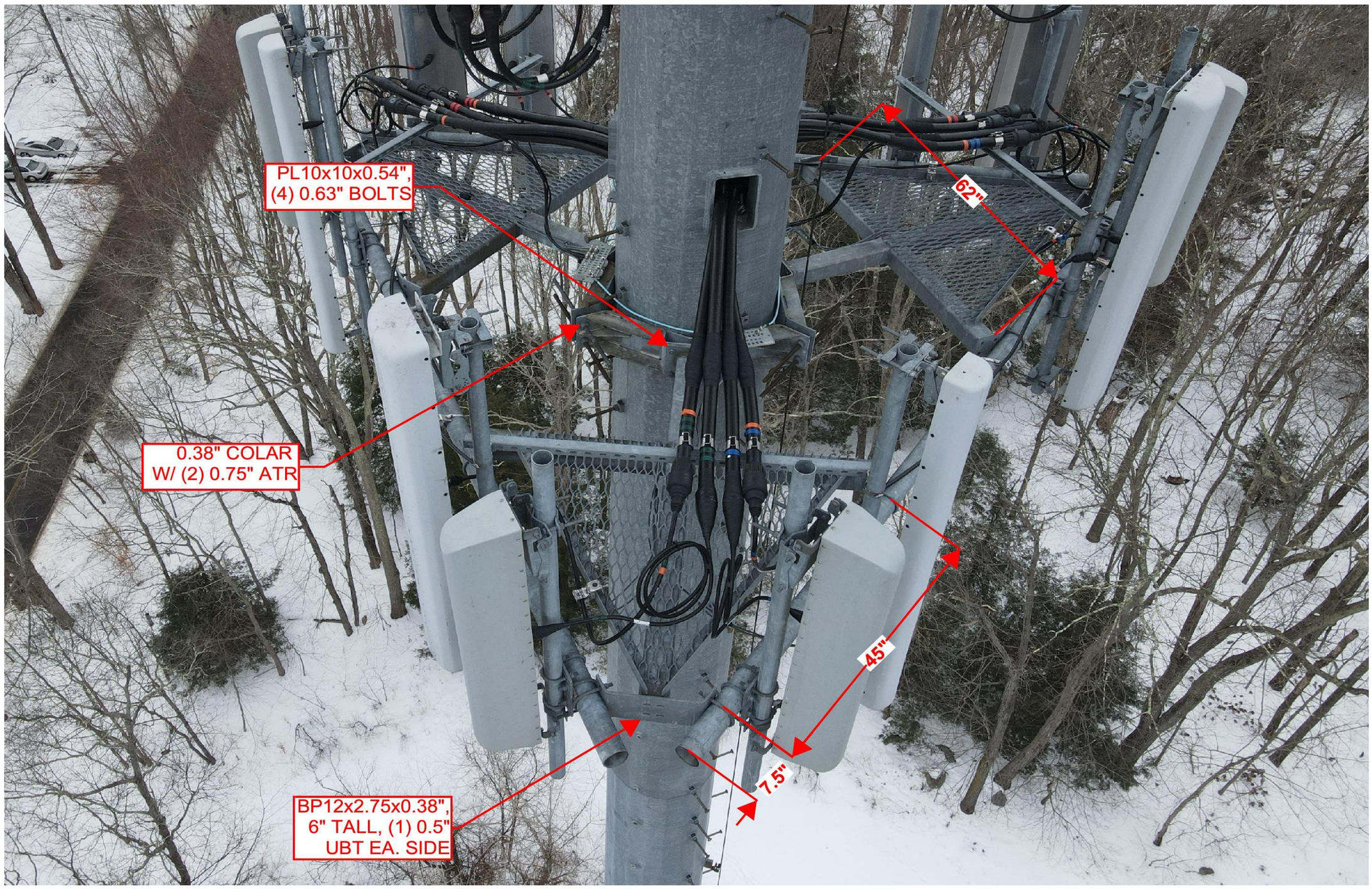
V3.0 Updated on 8-31-2020

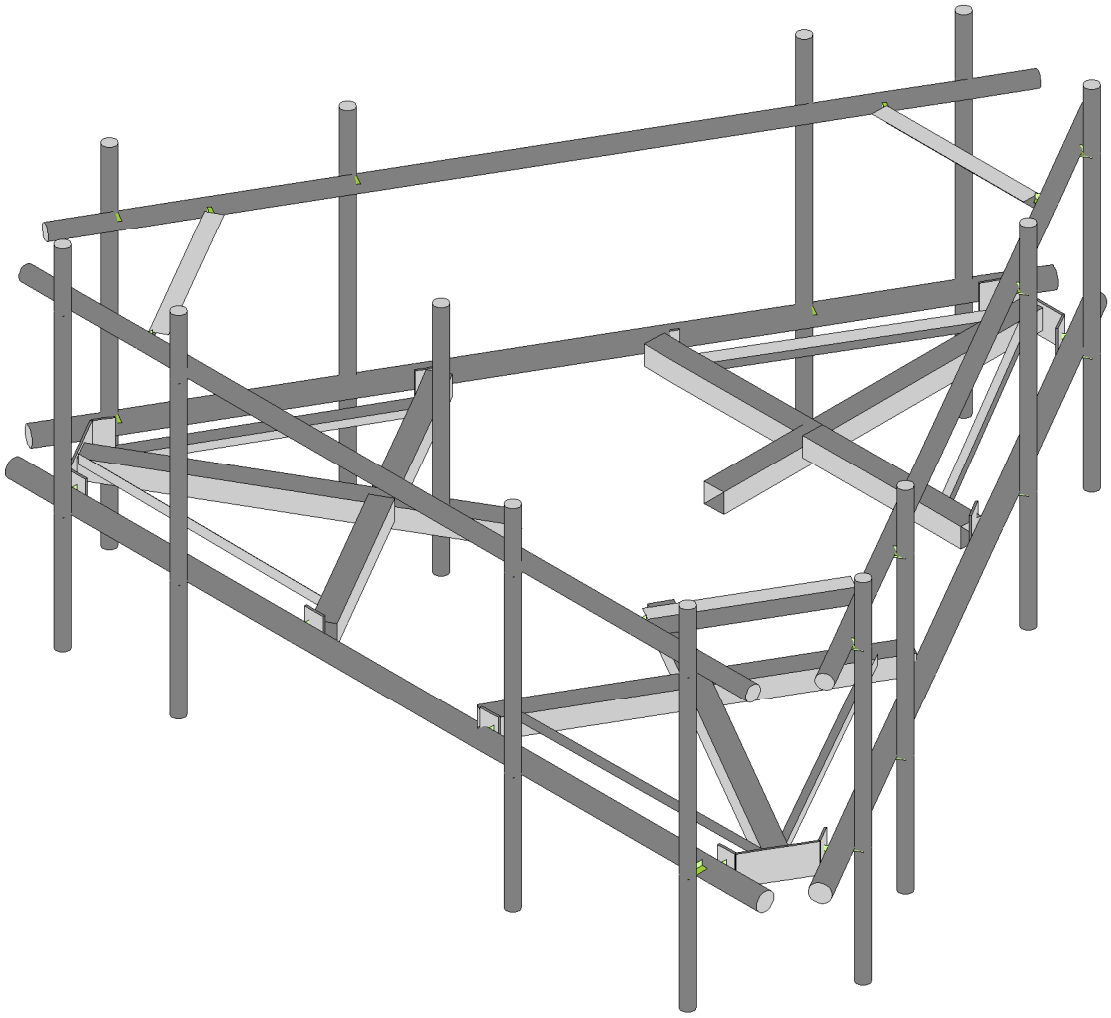
MASER CONSULTING P.A.	Antenna Mount Mapping Form (PATENT PENDING)		FCC #	
	Tower Owner:	SBA	**Mapping Date:**	2/15/2021
	Site Name:		**Tower Type:**	Monopole
	Site Number or ID:		**Tower Height (Ft.):**	
	Mapping Contractor:	LEVEL-UP TOWERS	**Mount Elevation (Ft.):**	134

Please Insert Sketches of the Antenna Mount



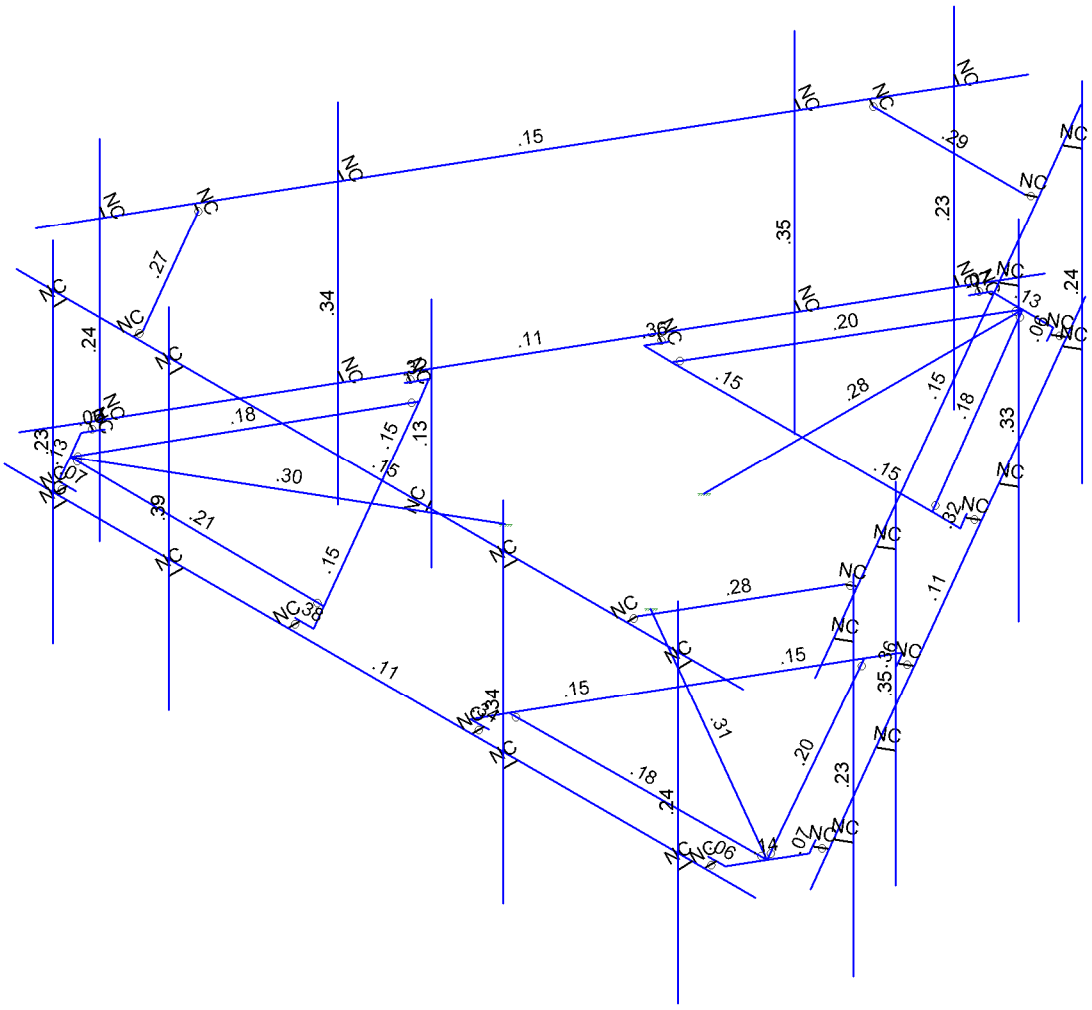
Please Insert Sketches of the Antenna Mount, cont'd





Envelope Only Solution

Colliers Engineering & Des...	5000383390-VZW_MT_LO_H	SK - 1
CL		Oct 25, 2023 at 3:48 PM
Project No. 10212331		5000383390-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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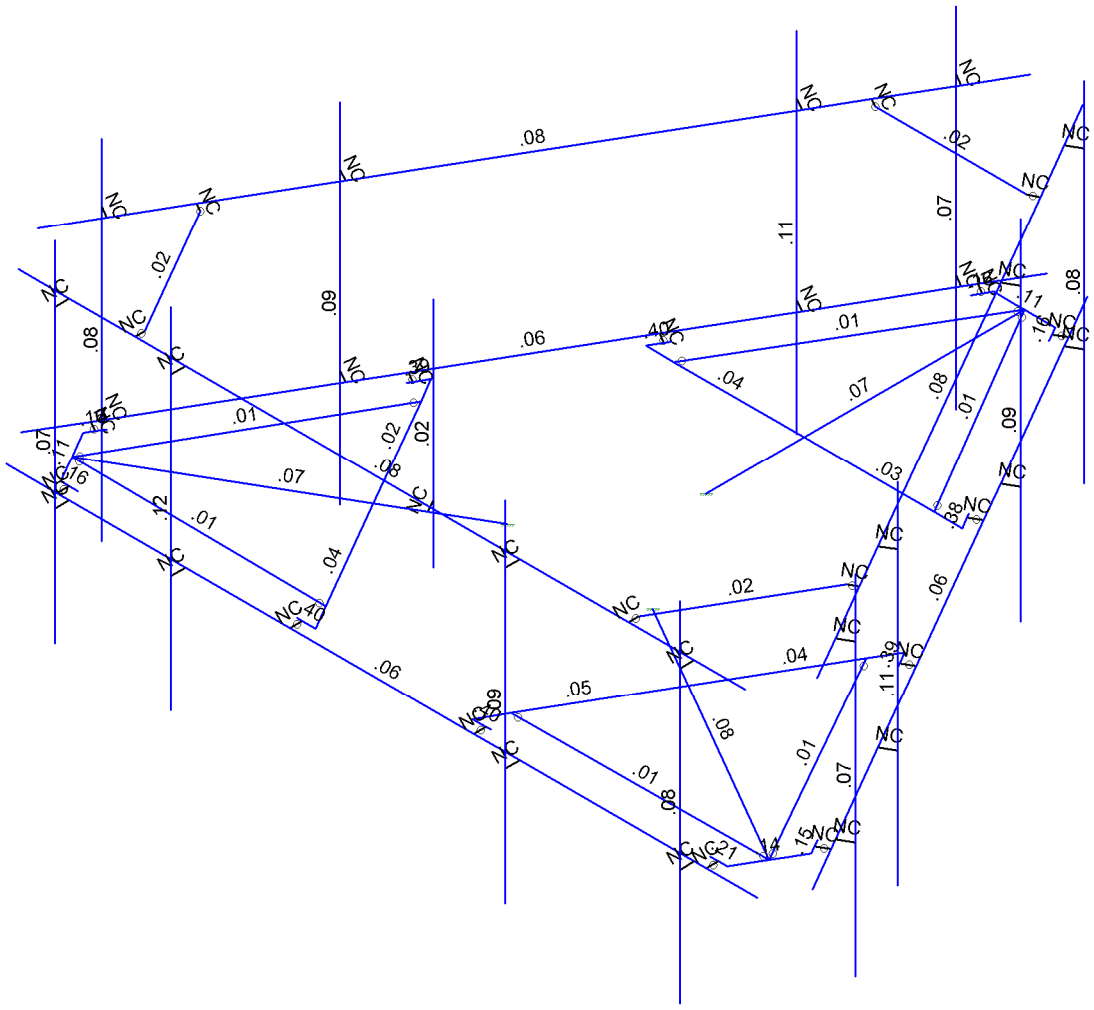

Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

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Project No. 10212331		5000383390-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Antenna D	None					69			
2	Antenna Di	None					69			
3	Antenna Wo (0 Deg)	None					69			
4	Antenna Wo (30 Deg)	None					69			
5	Antenna Wo (60 Deg)	None					69			
6	Antenna Wo (90 Deg)	None					69			
7	Antenna Wo (120 Deg)	None					69			
8	Antenna Wo (150 Deg)	None					69			
9	Antenna Wo (180 Deg)	None					69			
10	Antenna Wo (210 Deg)	None					69			
11	Antenna Wo (240 Deg)	None					69			
12	Antenna Wo (270 Deg)	None					69			
13	Antenna Wo (300 Deg)	None					69			
14	Antenna Wo (330 Deg)	None					69			
15	Antenna Wi (0 Deg)	None					69			
16	Antenna Wi (30 Deg)	None					69			
17	Antenna Wi (60 Deg)	None					69			
18	Antenna Wi (90 Deg)	None					69			
19	Antenna Wi (120 Deg)	None					69			
20	Antenna Wi (150 Deg)	None					69			
21	Antenna Wi (180 Deg)	None					69			
22	Antenna Wi (210 Deg)	None					69			
23	Antenna Wi (240 Deg)	None					69			
24	Antenna Wi (270 Deg)	None					69			
25	Antenna Wi (300 Deg)	None					69			
26	Antenna Wi (330 Deg)	None					69			
27	Antenna Wm (0 Deg)	None					69			
28	Antenna Wm (30 Deg)	None					69			
29	Antenna Wm (60 Deg)	None					69			
30	Antenna Wm (90 Deg)	None					69			
31	Antenna Wm (120 Deg)	None					69			
32	Antenna Wm (150 Deg)	None					69			
33	Antenna Wm (180 Deg)	None					69			
34	Antenna Wm (210 Deg)	None					69			
35	Antenna Wm (240 Deg)	None					69			
36	Antenna Wm (270 Deg)	None					69			
37	Antenna Wm (300 Deg)	None					69			
38	Antenna Wm (330 Deg)	None					69			
39	Structure D	None		-1					3	
40	Structure Di	None						52	3	
41	Structure Wo (0 Deg)	None						104		
42	Structure Wo (30 Deg)	None						104		
43	Structure Wo (60 Deg)	None						104		
44	Structure Wo (90 Deg)	None						104		
45	Structure Wo (120 Deg)	None						104		
46	Structure Wo (150 Deg)	None						104		
47	Structure Wo (180 Deg)	None						104		
48	Structure Wo (210 Deg)	None						104		
49	Structure Wo (240 Deg)	None						104		
50	Structure Wo (270 Deg)	None						104		
51	Structure Wo (300 Deg)	None						104		
52	Structure Wo (330 Deg)	None						104		
53	Structure Wi (0 Deg)	None						104		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
54	Structure Wi (30 Deg)	None						104		
55	Structure Wi (60 Deg)	None						104		
56	Structure Wi (90 Deg)	None						104		
57	Structure Wi (120 Deg)	None						104		
58	Structure Wi (150 Deg)	None						104		
59	Structure Wi (180 Deg)	None						104		
60	Structure Wi (210 Deg)	None						104		
61	Structure Wi (240 Deg)	None						104		
62	Structure Wi (270 Deg)	None						104		
63	Structure Wi (300 Deg)	None						104		
64	Structure Wi (330 Deg)	None						104		
65	Structure Wm (0 Deg)	None						104		
66	Structure Wm (30 Deg)	None						104		
67	Structure Wm (60 Deg)	None						104		
68	Structure Wm (90 Deg)	None						104		
69	Structure Wm (120 Deg)	None						104		
70	Structure Wm (150 Deg)	None						104		
71	Structure Wm (180 Deg)	None						104		
72	Structure Wm (210 Deg)	None						104		
73	Structure Wm (240 Deg)	None						104		
74	Structure Wm (270 Deg)	None						104		
75	Structure Wm (300 Deg)	None						104		
76	Structure Wm (330 Deg)	None						104		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					69			
82	Antenna Eh (0 Deg)	None					46			
83	Antenna Eh (90 Deg)	None					46			
84	Structure Ev	ELY		-.043					3	
85	Structure Eh (0 Deg)	ELZ			-.108				3	
86	Structure Eh (90 Deg)	ELX	.108						3	
87	BLC 39 Transient Area Loads	None						21		
88	BLC 40 Transient Area Loads	None						21		
89	BLC 84 Transient Area Loads	None						21		
90	BLC 85 Transient Area Loads	None						21		
91	BLC 86 Transient Area Loads	None						21		

Load Combinations

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	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 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0Wi (0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
15	1.2D + 1.0Di + 1.0Wi (6..	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (9..	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (1..	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (1..	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (1..	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (2..	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (2..	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (2..	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (3..	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (3..	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh (0..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		ELZ	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (3..	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 + 1.0Eh (6..	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 + 1.0Eh (9..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	ELZ		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (1..	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 + 1.0Eh (1..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	.5	ELZ	-.866	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (1..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		ELZ	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (2..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	-.5	ELZ	-.866	E...	-.5				
60	1.2D + 1.0Ev + 1.0Eh (2..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.866	ELZ	-.5	E...	-.866				
61	1.2D + 1.0Ev + 1.0Eh (2..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (3..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.866	ELZ	.5	E...	-.866				
63	1.2D + 1.0Ev + 1.0Eh (3..	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 (0..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (3..	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 (6..	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 (9..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (1..	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 (1..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	.5	ELZ	-.866	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (1..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		ELZ	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (2..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	-.5	ELZ	-.866	E...	-.5				

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
72	0.9D - 1.0Ev + 1.0Eh (2..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.866	ELZ	-.5	E...	-.866				
73	0.9D - 1.0Ev + 1.0Eh (2..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	ELZ		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (3..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.866	ELZ	.5	E...	-.866				
75	0.9D - 1.0Ev + 1.0Eh (3..	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	-6.458333	0	4.129504	0	
2	CENTER	0	0	0	0	
3	N2	6.458333	0	4.129504	0	
4	N3	5.583333	0	4.129504	0	
5	N4	5.583333	0	3.921171	0	
6	N5	5.4375	0	3.921171	0	
7	N6	5.729167	0	3.921171	0	
8	N7	6.260417	0	3.001019	0	
9	N8	6.114583	0	2.748428	0	
10	N9	6.1875	0	2.874723	0	
11	N10	6.367922	0	2.770557	0	
12	N13	0.784589	0	-6.90006	0	
13	N14	0.604167	0	-6.795894	0	
14	N15	0.677083	0	-6.669598	0	
15	N16	0.53125	0	-6.922189	0	
16	N17	-0.53125	0	-6.922189	0	
17	N18	-0.677083	0	-6.669598	0	
18	N19	-0.604167	0	-6.795894	0	
19	N20	-0.784589	0	-6.90006	0	
20	N23	-6.367922	0	2.770557	0	
21	N24	-6.1875	0	2.874723	0	
22	N25	-6.114583	0	2.748428	0	
23	N26	-6.260417	0	3.001019	0	
24	N27	-5.729167	0	3.921171	0	
25	N28	-5.4375	0	3.921171	0	
26	N29	-5.583333	0	3.921171	0	
27	N30	-5.583333	0	4.129504	0	
28	N31	-0.	0	-1.443022	0	
29	N34	-2.239583	0	-3.130522	0	
30	N35	2.239583	0	-3.130522	0	
31	N36	-0.	0	-6.922189	0	
32	N51	-1.249694	0	0.721511	0	
33	N54	-1.59132	0	3.504797	0	
34	N55	-3.830904	0	-0.374275	0	
35	N56	-5.994792	0	3.461095	0	
36	N71	1.249694	0	0.721511	0	
37	N74	3.830904	0	-0.374275	0	
38	N75	1.59132	0	3.504797	0	
39	N76	5.994792	0	3.461095	0	
40	N78	1.35151	0	3.920162	0	
41	N193A	0.166667	0	-6.922189	0	
42	N194A	-0.166667	0	-6.922189	0	
43	N195A	-6.078125	0	3.316757	0	
44	N196	-5.911458	0	3.605432	0	
45	N197	5.911458	0	3.605432	0	
46	N198	6.078125	0	3.316757	0	
47	N199	-0.	0	-3.130522	0	
48	N200	-2.711112	0	1.565261	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
49	N201	2.711112	0	1.565261	0	
50	N130	-5.375	0	4.129504	0	
51	N131	-3.375	0	4.129504	0	
52	N132	2.375	0	4.129504	0	
53	N133	5.375	0	4.129504	0	
54	N134	-5.375	0	4.379504	0	
55	N135	-3.375	0	4.379504	0	
56	N136	2.375	0	4.379504	0	
57	N137	5.375	0	4.379504	0	
58	N146	-5.375	4	4.379504	0	
59	N147	-3.375	4	4.379504	0	
60	N148	2.375	4	4.379504	0	
61	N149	5.375	4	4.379504	0	
62	N150	-5.375	-2	4.379504	0	
63	N151	-3.375	-2	4.379504	0	
64	N152	2.375	-2	4.379504	0	
65	N153	5.375	-2	4.379504	0	
66	N180	-4.367922	0	-0.693545	0	
67	N145	6.805422	0	3.528329	0	
68	N146A	0.347089	0	-7.657833	0	
69	N147A	-0.347089	0	-7.657833	0	
70	N148A	-6.805422	0	3.528329	0	
71	N107	1.66401	0	3.920162	0	
72	N108	-1.35151	0	3.920162	0	
73	N109	-1.66401	0	3.920162	0	
74	N110	-1.580676	0	3.920162	0	
75	N113	1.580676	0	3.920162	0	
76	N115	-1.580676	0	4.129503	0	
77	N117	1.580676	0	4.129503	0	
78	N119	2.719205	0	-3.130522	0	
79	N120	2.562955	0	-3.401155	0	
80	N121	4.070714	0	-0.789639	0	
81	N122	4.226964	0	-0.519006	0	
82	N124	4.185298	0	-0.591175	0	
83	N126	2.604621	0	-3.328987	0	
84	N129	4.366593	0	-0.695846	0	
85	N131A	2.785917	0	-3.433657	0	
86	N133A	-4.070714	0	-0.789639	0	
87	N134A	-4.226964	0	-0.519006	0	
88	N135A	-2.719205	0	-3.130522	0	
89	N136A	-2.562955	0	-3.401155	0	
90	N138	-2.604621	0	-3.328987	0	
91	N140	-4.185298	0	-0.591175	0	
92	N143	-2.785917	0	-3.433657	0	
93	N93	6.263755	0	2.590135	0	
94	N94	5.263755	0	0.858084	0	
95	N96	0.888755	0	-6.719639	0	
96	N97	6.480262	0	2.465135	0	
97	N98	5.480262	0	0.733084	0	
98	N100	1.105262	0	-6.844639	0	
99	N101	6.480262	4	2.465135	0	
100	N102	5.480262	4	0.733084	0	
101	N104	1.105262	4	-6.844639	0	
102	N105	6.480262	-2	2.465135	0	
103	N106	5.480262	-2	0.733084	0	
104	N108A	1.105262	-2	-6.844639	0	
105	N109A	-0.888755	0	-6.719639	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
106	N110A	-1.888755	0	-4.987588	0	
107	N112	-6.263755	0	2.590135	0	
108	N113A	-1.105262	0	-6.844639	0	
109	N114	-2.105262	0	-5.112588	0	
110	N116	-6.480262	0	2.465135	0	
111	N117A	-1.105262	4	-6.844639	0	
112	N118	-2.105262	4	-5.112588	0	
113	N120A	-6.480262	4	2.465135	0	
114	N121A	-1.105262	-2	-6.844639	0	
115	N122A	-2.105262	-2	-5.112588	0	
116	N124A	-6.480262	-2	2.465135	0	
117	N129A	-2.11572	0	1.221511	0	
118	N130A	-2.24072	0	1.005005	0	
119	N131B	-2.24072	-1	1.005005	0	
120	N132A	-2.24072	3	1.005005	0	
121	N129B	-6.25	3	4.129504	0	
122	N130B	6.25	3	4.129504	0	
123	N131C	-5.375	3	4.129504	0	
124	N132B	-3.375	3	4.129504	0	
125	N133B	2.375	3	4.129504	0	
126	N134B	5.375	3	4.129504	0	
127	N135B	-5.375	3	4.379504	0	
128	N136B	-3.375	3	4.379504	0	
129	N137A	2.375	3	4.379504	0	
130	N138A	5.375	3	4.379504	0	
131	N139	-4.25	3	4.129504	0	
132	N140A	-4.25	3	3.962837	0	
133	N141	4.25	3	4.129504	0	
134	N142	4.25	3	3.962837	0	
135	N145A	6.263755	3	2.590135	0	
136	N146B	5.263755	3	0.858084	0	
137	N148B	0.888755	3	-6.719639	0	
138	N149A	6.480262	3	2.465135	0	
139	N150A	5.480262	3	0.733084	0	
140	N152A	1.105262	3	-6.844639	0	
141	N159	-0.888755	3	-6.719639	0	
142	N160	-1.888755	3	-4.987588	0	
143	N162	-6.263755	3	2.590135	0	
144	N163	-1.105262	3	-6.844639	0	
145	N164	-2.105262	3	-5.112588	0	
146	N166	-6.480262	3	2.465135	0	
147	N155A	2.388755	0	-4.121562	0	
148	N156A	2.605262	0	-4.246562	0	
149	N157	2.605262	4	-4.246562	0	
150	N158	2.605262	-2	-4.246562	0	
151	N159A	6.701255	3	3.347907	0	
152	N160A	0.451255	3	-7.477411	0	
153	N161	2.388755	3	-4.121562	0	
154	N162A	2.605262	3	-4.246562	0	
155	N163A	-4.763755	0	-0.007942	0	
156	N164A	-4.980262	0	-0.132942	0	
157	N165	-4.980262	4	-0.132942	0	
158	N166A	-4.980262	-2	-0.132942	0	
159	N167A	-0.451255	3	-7.477411	0	
160	N168A	-6.701255	3	3.347907	0	
161	N169A	-4.763755	3	-0.007942	0	
162	N170A	-4.980262	3	-0.132942	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
163	N166B	5.701255	3	1.615856	0	
164	N167	5.556918	3	1.699189	0	
165	N168B	1.451255	3	-5.74536	0	
166	N169	1.306918	3	-5.662027	0	
167	N171	-1.451255	3	-5.74536	0	
168	N172	-1.306918	3	-5.662027	0	
169	N173	-5.701255	3	1.615856	0	
170	N174	-5.556918	3	1.699189	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0X	Beam	Pipe	A53 Gr.B	Typical	2.83	3.7	3.7	7.4
2	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Standoff Horizontal	HSS4X4X4	Beam	Tube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
4	Crossmember	HSS4X4X4	Beam	Tube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Crossmember Plate	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
7	Corner Plate	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	Replacement Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M32	N108	N200		180	Crossmember	Beam	Tube	A500 Gr.B...	Typical
2	M111	N201	N78		180	Crossmember	Beam	Tube	A500 Gr.B...	Typical
3	M21	N34	N36			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
4	M22	N35	N36		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
5	M33	N54	N56			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
6	M34	N55	N56		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
7	M45	N74	N76			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M46	N75	N76		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	MP1A	N149	N153			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N148	N152			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP3A	N147	N151			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	MP4A	N146	N150			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
13	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
14	M19	N36	N31			Standoff Horiz...	Beam	Tube	A500 Gr.B...	Typical
15	M31	N56	N51			Standoff Horiz...	Beam	Tube	A500 Gr.B...	Typical
16	M43	N76	N71			Standoff Horiz...	Beam	Tube	A500 Gr.B...	Typical
17	M3	N5	N6			Corner Plate	Beam	RECT	A36 Gr.36	Typical
18	M4	N6	N7			Corner Plate	Beam	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
19	M5	N7	N8			Corner Plate	Beam	RECT	A36 Gr.36	Typical
20	M9	N15	N16			Corner Plate	Beam	RECT	A36 Gr.36	Typical
21	M10	N16	N17			Corner Plate	Beam	RECT	A36 Gr.36	Typical
22	M11	N17	N18			Corner Plate	Beam	RECT	A36 Gr.36	Typical
23	M15	N25	N26			Corner Plate	Beam	RECT	A36 Gr.36	Typical
24	M16	N26	N27			Corner Plate	Beam	RECT	A36 Gr.36	Typical
25	M17	N27	N28			Corner Plate	Beam	RECT	A36 Gr.36	Typical
26	M2	N3	N4			RIGID	None	None	RIGID	Typical
27	M6	N9	N10			RIGID	None	None	RIGID	Typical
28	M8	N13	N14			RIGID	None	None	RIGID	Typical
29	M12	N19	N20			RIGID	None	None	RIGID	Typical
30	M14	N23	N24			RIGID	None	None	RIGID	Typical
31	M18	N29	N30			RIGID	None	None	RIGID	Typical
32	M81	N137	N133			RIGID	None	None	RIGID	Typical
33	M82	N136	N132			RIGID	None	None	RIGID	Typical
34	M83	N135	N131			RIGID	None	None	RIGID	Typical
35	M84	N134	N130			RIGID	None	None	RIGID	Typical
36	M80	N145	N146A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
37	M81A	N147A	N148A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
38	M58	N117	N113			RIGID	None	None	RIGID	Typical
39	M59	N115	N110			RIGID	None	None	RIGID	Typical
40	M60	N107	N78			Crossmember ...	Beam	RECT	A36 Gr.36	Typical
41	M61	N109	N108			Crossmember ...	Beam	RECT	A36 Gr.36	Typical
42	M62	N131A	N126			RIGID	None	None	RIGID	Typical
43	M63	N129	N124			RIGID	None	None	RIGID	Typical
44	M64	N120	N119			Crossmember ...	Beam	RECT	A36 Gr.36	Typical
45	M65	N122	N121			Crossmember ...	Beam	RECT	A36 Gr.36	Typical
46	M66	N180	N140			RIGID	None	None	RIGID	Typical
47	M67	N143	N138			RIGID	None	None	RIGID	Typical
48	M68	N134A	N133A			Crossmember ...	Beam	RECT	A36 Gr.36	Typical
49	M69	N136A	N135A			Crossmember ...	Beam	RECT	A36 Gr.36	Typical
50	M66A	N121	N201		180	Crossmember	Beam	Tube	A500 Gr.B...	Typical
51	M67A	N199	N119		180	Crossmember	Beam	Tube	A500 Gr.B...	Typical
52	M68A	N135A	N199		180	Crossmember	Beam	Tube	A500 Gr.B...	Typical
53	M69A	N200	N133A		180	Crossmember	Beam	Tube	A500 Gr.B...	Typical
54	MP1C	N104	N108A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
55	MP3C	N102	N106			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
56	MP4C	N101	N105			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
57	M58A	N100	N96			RIGID	None	None	RIGID	Typical
58	M60A	N98	N94			RIGID	None	None	RIGID	Typical
59	M61A	N97	N93			RIGID	None	None	RIGID	Typical
60	MP1B	N120A	N124A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
61	MP3B	N118	N122A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
62	MP4B	N117A	N121A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
63	M66B	N116	N112			RIGID	None	None	RIGID	Typical
64	M68B	N114	N110A			RIGID	None	None	RIGID	Typical
65	M69B	N113A	N109A			RIGID	None	None	RIGID	Typical
66	M72	N129A	N130A			RIGID	None	None	RIGID	Typical
67	OVP	N132A	N131B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
68	M72A	N138A	N134B			RIGID	None	None	RIGID	Typical
69	M73	N137A	N133B			RIGID	None	None	RIGID	Typical
70	M74	N136B	N132B			RIGID	None	None	RIGID	Typical
71	M75	N135B	N131C			RIGID	None	None	RIGID	Typical
72	M76	N129B	N130B			Support Rail	Beam	Pipe	A53 Gr.B	Typical
73	M77	N139	N140A			RIGID	None	None	RIGID	Typical
74	M78	N141	N142			RIGID	None	None	RIGID	Typical
75	M79	N152A	N148B			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
76	M81B	N150A	N146B			RIGID	None	None	RIGID	Typical
77	M82A	N149A	N145A			RIGID	None	None	RIGID	Typical
78	M86	N166	N162			RIGID	None	None	RIGID	Typical
79	M88	N164	N160			RIGID	None	None	RIGID	Typical
80	M89	N163	N159			RIGID	None	None	RIGID	Typical
81	M94	N172	N169		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
82	MP2C	N157	N158			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
83	M89A	N156A	N155A			RIGID	None	None	RIGID	Typical
84	M90	N162A	N161			RIGID	None	None	RIGID	Typical
85	M91A	N159A	N160A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
86	MP2B	N165	N166A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
87	M93A	N164A	N163A			RIGID	None	None	RIGID	Typical
88	M94A	N170A	N169A			RIGID	None	None	RIGID	Typical
89	M95A	N167A	N168A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
90	M90A	N166B	N167			RIGID	None	None	RIGID	Typical
91	M91	N168B	N169			RIGID	None	None	RIGID	Typical
92	M92	N171	N172			RIGID	None	None	RIGID	Typical
93	M93	N173	N174			RIGID	None	None	RIGID	Typical
94	M94B	N140A	N174		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
95	M95	N167	N142		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M32						Yes				None
2	M111						Yes				None
3	M21	BenPIN	BenPIN				Yes				None
4	M22	BenPIN	BenPIN				Yes				None
5	M33	BenPIN	BenPIN				Yes				None
6	M34	BenPIN	BenPIN				Yes				None
7	M45	BenPIN	BenPIN				Yes				None
8	M46	BenPIN	BenPIN				Yes				None
9	MP1A						Yes	** NA **			None
10	MP2A						Yes	** NA **			None
11	MP3A						Yes	** NA **			None
12	MP4A						Yes	** NA **			None
13	M1						Yes				None
14	M19						Yes				None
15	M31						Yes				None
16	M43						Yes				None
17	M3						Yes				None
18	M4						Yes				None
19	M5						Yes				None
20	M9						Yes				None
21	M10						Yes				None
22	M11						Yes				None
23	M15						Yes				None
24	M16						Yes				None
25	M17						Yes				None
26	M2	BenPIN					Yes	** NA **			None
27	M6		BenPIN				Yes	** NA **			None
28	M8	BenPIN					Yes	** NA **			None
29	M12		BenPIN				Yes	** NA **			None
30	M14	BenPIN					Yes	** NA **			None
31	M18		BenPIN				Yes	** NA **			None
32	M81						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
33	M82						Yes	** NA **			None
34	M83						Yes	** NA **			None
35	M84						Yes	** NA **			None
36	M80						Yes				None
37	M81A						Yes				None
38	M58	BenPIN					Yes	** NA **			None
39	M59	BenPIN					Yes	** NA **			None
40	M60						Yes				None
41	M61						Yes				None
42	M62	BenPIN					Yes	** NA **			None
43	M63	BenPIN					Yes	** NA **			None
44	M64						Yes				None
45	M65						Yes				None
46	M66	BenPIN					Yes	** NA **			None
47	M67	BenPIN					Yes	** NA **			None
48	M68						Yes				None
49	M69						Yes				None
50	M66A						Yes				None
51	M67A						Yes				None
52	M68A						Yes				None
53	M69A						Yes				None
54	MP1C						Yes	** NA **			None
55	MP3C						Yes	** NA **			None
56	MP4C						Yes	** NA **			None
57	M58A						Yes	** NA **			None
58	M60A						Yes	** NA **			None
59	M61A						Yes	** NA **			None
60	MP1B						Yes	** NA **			None
61	MP3B						Yes	** NA **			None
62	MP4B						Yes	** NA **			None
63	M66B						Yes	** NA **			None
64	M68B						Yes	** NA **			None
65	M69B						Yes	** NA **			None
66	M72						Yes	** NA **			None
67	OVP						Yes	** NA **			None
68	M72A						Yes	** NA **			None
69	M73						Yes	** NA **			None
70	M74						Yes	** NA **			None
71	M75						Yes	** NA **			None
72	M76						Yes				None
73	M77	OOOOOX					Yes	** NA **			None
74	M78	OOOOOX					Yes	** NA **			None
75	M79						Yes	** NA **			None
76	M81B						Yes	** NA **			None
77	M82A						Yes	** NA **			None
78	M86						Yes	** NA **			None
79	M88						Yes	** NA **			None
80	M89						Yes	** NA **			None
81	M94						Yes	Default			None
82	MP2C						Yes	** NA **			None
83	M89A						Yes	** NA **			None
84	M90						Yes	** NA **			None
85	M91A						Yes				None
86	MP2B						Yes	** NA **			None
87	M93A						Yes	** NA **			None
88	M94A						Yes	** NA **			None
89	M95A						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
90	M90A	OOOOOX					Yes	** NA **			None
91	M91	OOOOOX					Yes	** NA **			None
92	M92	OOOOOX					Yes	** NA **			None
93	M93	OOOOOX					Yes	** NA **			None
94	M94B						Yes	Default			None
95	M95						Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-43.55	2.38
2	MP2A	My	-.022	2.38
3	MP2A	Mz	0	2.38
4	MP2A	Y	-43.55	3.63
5	MP2A	My	-.022	3.63
6	MP2A	Mz	0	3.63
7	MP2B	Y	-43.55	2.38
8	MP2B	My	.011	2.38
9	MP2B	Mz	-.019	2.38
10	MP2B	Y	-43.55	3.63
11	MP2B	My	.011	3.63
12	MP2B	Mz	-.019	3.63
13	MP2C	Y	-43.55	2.38
14	MP2C	My	.011	2.38
15	MP2C	Mz	.019	2.38
16	MP2C	Y	-43.55	3.63
17	MP2C	My	.011	3.63
18	MP2C	Mz	.019	3.63
19	MP3A	Y	-51.05	.5
20	MP3A	My	-.026	.5
21	MP3A	Mz	0	.5
22	MP3A	Y	-51.05	5.5
23	MP3A	My	-.026	5.5
24	MP3A	Mz	0	5.5
25	MP3B	Y	-51.05	.5
26	MP3B	My	.013	.5
27	MP3B	Mz	-.022	.5
28	MP3B	Y	-51.05	5.5
29	MP3B	My	.013	5.5
30	MP3B	Mz	-.022	5.5
31	MP3C	Y	-51.05	.5
32	MP3C	My	.013	.5
33	MP3C	Mz	.022	.5
34	MP3C	Y	-51.05	5.5
35	MP3C	My	.013	5.5
36	MP3C	Mz	.022	5.5
37	OVP	Y	-32	1.5
38	OVP	My	0	1.5
39	OVP	Mz	0	1.5
40	MP4A	Y	-70.3	3
41	MP4A	My	-.035	3
42	MP4A	Mz	0	3
43	MP4B	Y	-70.3	3
44	MP4B	My	.018	3
45	MP4B	Mz	-.03	3
46	MP4C	Y	-70.3	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP4C	My	.018	3
48	MP4C	Mz	.03	3
49	MP3A	Y	-74.7	3
50	MP3A	My	-.037	3
51	MP3A	Mz	0	3
52	MP3B	Y	-74.7	3
53	MP3B	My	.019	3
54	MP3B	Mz	-.032	3
55	MP3C	Y	-74.7	3
56	MP3C	My	.019	3
57	MP3C	Mz	.032	3
58	MP3A	Y	-8.8	4.5
59	MP3A	My	.009	4.5
60	MP3A	Mz	.003	4.5
61	MP3A	Y	-8.8	5.5
62	MP3A	My	.009	5.5
63	MP3A	Mz	.003	5.5
64	MP3A	Y	-8.8	4.5
65	MP3A	My	.009	4.5
66	MP3A	Mz	-.003	4.5
67	MP3A	Y	-8.8	5.5
68	MP3A	My	.009	5.5
69	MP3A	Mz	-.003	5.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-35.859	2.38
2	MP2A	My	-.018	2.38
3	MP2A	Mz	0	2.38
4	MP2A	Y	-35.859	3.63
5	MP2A	My	-.018	3.63
6	MP2A	Mz	0	3.63
7	MP2B	Y	-35.859	2.38
8	MP2B	My	.009	2.38
9	MP2B	Mz	-.016	2.38
10	MP2B	Y	-35.859	3.63
11	MP2B	My	.009	3.63
12	MP2B	Mz	-.016	3.63
13	MP2C	Y	-35.859	2.38
14	MP2C	My	.009	2.38
15	MP2C	Mz	.016	2.38
16	MP2C	Y	-35.859	3.63
17	MP2C	My	.009	3.63
18	MP2C	Mz	.016	3.63
19	MP3A	Y	-113.308	.5
20	MP3A	My	-.057	.5
21	MP3A	Mz	0	.5
22	MP3A	Y	-113.308	5.5
23	MP3A	My	-.057	5.5
24	MP3A	Mz	0	5.5
25	MP3B	Y	-113.308	.5
26	MP3B	My	.028	.5
27	MP3B	Mz	-.049	.5
28	MP3B	Y	-113.308	5.5
29	MP3B	My	.028	5.5
30	MP3B	Mz	-.049	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP3C	Y	-113.308	.5
32	MP3C	My	.028	.5
33	MP3C	Mz	.049	.5
34	MP3C	Y	-113.308	5.5
35	MP3C	My	.028	5.5
36	MP3C	Mz	.049	5.5
37	OVP	Y	-88.508	1.5
38	OVP	My	0	1.5
39	OVP	Mz	0	1.5
40	MP4A	Y	-43.058	3
41	MP4A	My	-.022	3
42	MP4A	Mz	0	3
43	MP4B	Y	-43.058	3
44	MP4B	My	.011	3
45	MP4B	Mz	-.019	3
46	MP4C	Y	-43.058	3
47	MP4C	My	.011	3
48	MP4C	Mz	.019	3
49	MP3A	Y	-45.214	3
50	MP3A	My	-.023	3
51	MP3A	Mz	0	3
52	MP3B	Y	-45.214	3
53	MP3B	My	.011	3
54	MP3B	Mz	-.02	3
55	MP3C	Y	-45.214	3
56	MP3C	My	.011	3
57	MP3C	Mz	.02	3
58	MP3A	Y	3.3	4.5
59	MP3A	My	-.003	4.5
60	MP3A	Mz	-.001	4.5
61	MP3A	Y	3.3	5.5
62	MP3A	My	-.003	5.5
63	MP3A	Mz	-.001	5.5
64	MP3A	Y	3.3	4.5
65	MP3A	My	-.003	4.5
66	MP3A	Mz	.001	4.5
67	MP3A	Y	3.3	5.5
68	MP3A	My	-.003	5.5
69	MP3A	Mz	.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.38
2	MP2A	Z	-84.24	2.38
3	MP2A	Mx	0	2.38
4	MP2A	X	0	3.63
5	MP2A	Z	-84.24	3.63
6	MP2A	Mx	0	3.63
7	MP2B	X	0	2.38
8	MP2B	Z	-42.818	2.38
9	MP2B	Mx	.019	2.38
10	MP2B	X	0	3.63
11	MP2B	Z	-42.818	3.63
12	MP2B	Mx	.019	3.63
13	MP2C	X	0	2.38
14	MP2C	Z	-42.818	2.38

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mx	-.019	2.38
16	MP2C	X	0	3.63
17	MP2C	Z	-42.818	3.63
18	MP2C	Mx	-.019	3.63
19	MP3A	X	0	.5
20	MP3A	Z	-366.829	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-366.829	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-223.869	.5
27	MP3B	Mx	.097	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-223.869	5.5
30	MP3B	Mx	.097	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-223.869	.5
33	MP3C	Mx	-.097	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-223.869	5.5
36	MP3C	Mx	-.097	5.5
37	OVP	X	0	1.5
38	OVP	Z	-128.079	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	0	3
41	MP4A	Z	-66.618	3
42	MP4A	Mx	0	3
43	MP4B	X	0	3
44	MP4B	Z	-46.955	3
45	MP4B	Mx	.02	3
46	MP4C	X	0	3
47	MP4C	Z	-46.955	3
48	MP4C	Mx	-.02	3
49	MP3A	X	0	3
50	MP3A	Z	-66.618	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	-50.178	3
54	MP3B	Mx	.022	3
55	MP3C	X	0	3
56	MP3C	Z	-50.178	3
57	MP3C	Mx	-.022	3
58	MP3A	X	0	4.5
59	MP3A	Z	-20.63	4.5
60	MP3A	Mx	-.007	4.5
61	MP3A	X	0	5.5
62	MP3A	Z	-20.63	5.5
63	MP3A	Mx	-.007	5.5
64	MP3A	X	0	4.5
65	MP3A	Z	-20.63	4.5
66	MP3A	Mx	.007	4.5
67	MP3A	X	0	5.5
68	MP3A	Z	-20.63	5.5
69	MP3A	Mx	.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	35.216	2.38
2	MP2A	Z	-60.996	2.38
3	MP2A	Mx	-.018	2.38
4	MP2A	X	35.216	3.63
5	MP2A	Z	-60.996	3.63
6	MP2A	Mx	-.018	3.63
7	MP2B	X	14.506	2.38
8	MP2B	Z	-25.124	2.38
9	MP2B	Mx	.015	2.38
10	MP2B	X	14.506	3.63
11	MP2B	Z	-25.124	3.63
12	MP2B	Mx	.015	3.63
13	MP2C	X	35.216	2.38
14	MP2C	Z	-60.996	2.38
15	MP2C	Mx	-.018	2.38
16	MP2C	X	35.216	3.63
17	MP2C	Z	-60.996	3.63
18	MP2C	Mx	-.018	3.63
19	MP3A	X	159.588	.5
20	MP3A	Z	-276.415	.5
21	MP3A	Mx	-.08	.5
22	MP3A	X	159.588	5.5
23	MP3A	Z	-276.415	5.5
24	MP3A	Mx	-.08	5.5
25	MP3B	X	88.108	.5
26	MP3B	Z	-152.607	.5
27	MP3B	Mx	.088	.5
28	MP3B	X	88.108	5.5
29	MP3B	Z	-152.607	5.5
30	MP3B	Mx	.088	5.5
31	MP3C	X	159.588	.5
32	MP3C	Z	-276.415	.5
33	MP3C	Mx	-.08	.5
34	MP3C	X	159.588	5.5
35	MP3C	Z	-276.415	5.5
36	MP3C	Mx	-.08	5.5
37	OVP	X	55.873	1.5
38	OVP	Z	-96.775	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	30.032	3
41	MP4A	Z	-52.017	3
42	MP4A	Mx	-.015	3
43	MP4B	X	20.2	3
44	MP4B	Z	-34.988	3
45	MP4B	Mx	.02	3
46	MP4C	X	30.032	3
47	MP4C	Z	-52.017	3
48	MP4C	Mx	-.015	3
49	MP3A	X	30.569	3
50	MP3A	Z	-52.947	3
51	MP3A	Mx	-.015	3
52	MP3B	X	22.349	3
53	MP3B	Z	-38.71	3
54	MP3B	Mx	.022	3
55	MP3C	X	30.569	3
56	MP3C	Z	-52.947	3
57	MP3C	Mx	-.015	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	10.323	4.5
59	MP3A	Z	-17.879	4.5
60	MP3A	Mx	.004	4.5
61	MP3A	X	10.323	5.5
62	MP3A	Z	-17.879	5.5
63	MP3A	Mx	.004	5.5
64	MP3A	X	10.323	4.5
65	MP3A	Z	-17.879	4.5
66	MP3A	Mx	.016	4.5
67	MP3A	X	10.323	5.5
68	MP3A	Z	-17.879	5.5
69	MP3A	Mx	.016	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	37.082	2.38
2	MP2A	Z	-21.409	2.38
3	MP2A	Mx	-.019	2.38
4	MP2A	X	37.082	3.63
5	MP2A	Z	-21.409	3.63
6	MP2A	Mx	-.019	3.63
7	MP2B	X	37.082	2.38
8	MP2B	Z	-21.409	2.38
9	MP2B	Mx	.019	2.38
10	MP2B	X	37.082	3.63
11	MP2B	Z	-21.409	3.63
12	MP2B	Mx	.019	3.63
13	MP2C	X	72.954	2.38
14	MP2C	Z	-42.12	2.38
15	MP2C	Mx	0	2.38
16	MP2C	X	72.954	3.63
17	MP2C	Z	-42.12	3.63
18	MP2C	Mx	0	3.63
19	MP3A	X	193.876	.5
20	MP3A	Z	-111.935	.5
21	MP3A	Mx	-.097	.5
22	MP3A	X	193.876	5.5
23	MP3A	Z	-111.935	5.5
24	MP3A	Mx	-.097	5.5
25	MP3B	X	193.876	.5
26	MP3B	Z	-111.935	.5
27	MP3B	Mx	.097	.5
28	MP3B	X	193.876	5.5
29	MP3B	Z	-111.935	5.5
30	MP3B	Mx	.097	5.5
31	MP3C	X	317.684	.5
32	MP3C	Z	-183.415	.5
33	MP3C	Mx	0	.5
34	MP3C	X	317.684	5.5
35	MP3C	Z	-183.415	5.5
36	MP3C	Mx	0	5.5
37	OVP	X	89.703	1.5
38	OVP	Z	-51.79	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	40.664	3
41	MP4A	Z	-23.478	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP4A	Mx	-.02	3
43	MP4B	X	40.664	3
44	MP4B	Z	-23.478	3
45	MP4B	Mx	.02	3
46	MP4C	X	57.693	3
47	MP4C	Z	-33.309	3
48	MP4C	Mx	0	3
49	MP3A	X	43.456	3
50	MP3A	Z	-25.089	3
51	MP3A	Mx	-.022	3
52	MP3B	X	43.456	3
53	MP3B	Z	-25.089	3
54	MP3B	Mx	.022	3
55	MP3C	X	57.693	3
56	MP3C	Z	-33.309	3
57	MP3C	Mx	0	3
58	MP3A	X	17.906	4.5
59	MP3A	Z	-10.338	4.5
60	MP3A	Mx	.014	4.5
61	MP3A	X	17.906	5.5
62	MP3A	Z	-10.338	5.5
63	MP3A	Mx	.014	5.5
64	MP3A	X	17.906	4.5
65	MP3A	Z	-10.338	4.5
66	MP3A	Mx	.021	4.5
67	MP3A	X	17.906	5.5
68	MP3A	Z	-10.338	5.5
69	MP3A	Mx	.021	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	29.011	2.38
2	MP2A	Z	0	2.38
3	MP2A	Mx	-.015	2.38
4	MP2A	X	29.011	3.63
5	MP2A	Z	0	3.63
6	MP2A	Mx	-.015	3.63
7	MP2B	X	70.433	2.38
8	MP2B	Z	0	2.38
9	MP2B	Mx	.018	2.38
10	MP2B	X	70.433	3.63
11	MP2B	Z	0	3.63
12	MP2B	Mx	.018	3.63
13	MP2C	X	70.433	2.38
14	MP2C	Z	0	2.38
15	MP2C	Mx	.018	2.38
16	MP2C	X	70.433	3.63
17	MP2C	Z	0	3.63
18	MP2C	Mx	.018	3.63
19	MP3A	X	176.216	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.088	.5
22	MP3A	X	176.216	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.088	5.5
25	MP3B	X	319.176	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP3B	Z	0	.5
27	MP3B	Mx	.08	.5
28	MP3B	X	319.176	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.08	5.5
31	MP3C	X	319.176	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.08	.5
34	MP3C	X	319.176	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.08	5.5
37	OVP	X	111.747	1.5
38	OVP	Z	0	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	40.401	3
41	MP4A	Z	0	3
42	MP4A	Mx	-.02	3
43	MP4B	X	60.064	3
44	MP4B	Z	0	3
45	MP4B	Mx	.015	3
46	MP4C	X	60.064	3
47	MP4C	Z	0	3
48	MP4C	Mx	.015	3
49	MP3A	X	44.699	3
50	MP3A	Z	0	3
51	MP3A	Mx	-.022	3
52	MP3B	X	61.138	3
53	MP3B	Z	0	3
54	MP3B	Mx	.015	3
55	MP3C	X	61.138	3
56	MP3C	Z	0	3
57	MP3C	Mx	.015	3
58	MP3A	X	20.691	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	.021	4.5
61	MP3A	X	20.691	5.5
62	MP3A	Z	0	5.5
63	MP3A	Mx	.021	5.5
64	MP3A	X	20.691	4.5
65	MP3A	Z	0	4.5
66	MP3A	Mx	.021	4.5
67	MP3A	X	20.691	5.5
68	MP3A	Z	0	5.5
69	MP3A	Mx	.021	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	37.082	2.38
2	MP2A	Z	21.409	2.38
3	MP2A	Mx	-.019	2.38
4	MP2A	X	37.082	3.63
5	MP2A	Z	21.409	3.63
6	MP2A	Mx	-.019	3.63
7	MP2B	X	72.954	2.38
8	MP2B	Z	42.12	2.38
9	MP2B	Mx	0	2.38

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2B	X	72.954	3.63
11	MP2B	Z	42.12	3.63
12	MP2B	Mx	0	3.63
13	MP2C	X	37.082	2.38
14	MP2C	Z	21.409	2.38
15	MP2C	Mx	.019	2.38
16	MP2C	X	37.082	3.63
17	MP2C	Z	21.409	3.63
18	MP2C	Mx	.019	3.63
19	MP3A	X	193.876	.5
20	MP3A	Z	111.935	.5
21	MP3A	Mx	-.097	.5
22	MP3A	X	193.876	5.5
23	MP3A	Z	111.935	5.5
24	MP3A	Mx	-.097	5.5
25	MP3B	X	317.684	.5
26	MP3B	Z	183.415	.5
27	MP3B	Mx	0	.5
28	MP3B	X	317.684	5.5
29	MP3B	Z	183.415	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	193.876	.5
32	MP3C	Z	111.935	.5
33	MP3C	Mx	.097	.5
34	MP3C	X	193.876	5.5
35	MP3C	Z	111.935	5.5
36	MP3C	Mx	.097	5.5
37	OVP	X	110.919	1.5
38	OVP	Z	64.039	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	40.664	3
41	MP4A	Z	23.478	3
42	MP4A	Mx	-.02	3
43	MP4B	X	57.693	3
44	MP4B	Z	33.309	3
45	MP4B	Mx	0	3
46	MP4C	X	40.664	3
47	MP4C	Z	23.478	3
48	MP4C	Mx	.02	3
49	MP3A	X	43.456	3
50	MP3A	Z	25.089	3
51	MP3A	Mx	-.022	3
52	MP3B	X	57.693	3
53	MP3B	Z	33.309	3
54	MP3B	Mx	0	3
55	MP3C	X	43.456	3
56	MP3C	Z	25.089	3
57	MP3C	Mx	.022	3
58	MP3A	X	17.906	4.5
59	MP3A	Z	10.338	4.5
60	MP3A	Mx	.021	4.5
61	MP3A	X	17.906	5.5
62	MP3A	Z	10.338	5.5
63	MP3A	Mx	.021	5.5
64	MP3A	X	17.906	4.5
65	MP3A	Z	10.338	4.5
66	MP3A	Mx	.014	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP3A	X	17.906	5.5
68	MP3A	Z	10.338	5.5
69	MP3A	Mx	.014	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	35.216	2.38
2	MP2A	Z	60.996	2.38
3	MP2A	Mx	-.018	2.38
4	MP2A	X	35.216	3.63
5	MP2A	Z	60.996	3.63
6	MP2A	Mx	-.018	3.63
7	MP2B	X	35.216	2.38
8	MP2B	Z	60.996	2.38
9	MP2B	Mx	-.018	2.38
10	MP2B	X	35.216	3.63
11	MP2B	Z	60.996	3.63
12	MP2B	Mx	-.018	3.63
13	MP2C	X	14.506	2.38
14	MP2C	Z	25.124	2.38
15	MP2C	Mx	.015	2.38
16	MP2C	X	14.506	3.63
17	MP2C	Z	25.124	3.63
18	MP2C	Mx	.015	3.63
19	MP3A	X	159.588	.5
20	MP3A	Z	276.415	.5
21	MP3A	Mx	-.08	.5
22	MP3A	X	159.588	5.5
23	MP3A	Z	276.415	5.5
24	MP3A	Mx	-.08	5.5
25	MP3B	X	159.588	.5
26	MP3B	Z	276.415	.5
27	MP3B	Mx	-.08	.5
28	MP3B	X	159.588	5.5
29	MP3B	Z	276.415	5.5
30	MP3B	Mx	-.08	5.5
31	MP3C	X	88.108	.5
32	MP3C	Z	152.607	.5
33	MP3C	Mx	.088	.5
34	MP3C	X	88.108	5.5
35	MP3C	Z	152.607	5.5
36	MP3C	Mx	.088	5.5
37	OVP	X	68.122	1.5
38	OVP	Z	117.991	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	30.032	3
41	MP4A	Z	52.017	3
42	MP4A	Mx	-.015	3
43	MP4B	X	30.032	3
44	MP4B	Z	52.017	3
45	MP4B	Mx	-.015	3
46	MP4C	X	20.2	3
47	MP4C	Z	34.988	3
48	MP4C	Mx	.02	3
49	MP3A	X	30.569	3
50	MP3A	Z	52.947	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP3A	Mx	-.015	3
52	MP3B	X	30.569	3
53	MP3B	Z	52.947	3
54	MP3B	Mx	-.015	3
55	MP3C	X	22.349	3
56	MP3C	Z	38.71	3
57	MP3C	Mx	.022	3
58	MP3A	X	10.323	4.5
59	MP3A	Z	17.879	4.5
60	MP3A	Mx	.016	4.5
61	MP3A	X	10.323	5.5
62	MP3A	Z	17.879	5.5
63	MP3A	Mx	.016	5.5
64	MP3A	X	10.323	4.5
65	MP3A	Z	17.879	4.5
66	MP3A	Mx	.004	4.5
67	MP3A	X	10.323	5.5
68	MP3A	Z	17.879	5.5
69	MP3A	Mx	.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.38
2	MP2A	Z	84.24	2.38
3	MP2A	Mx	0	2.38
4	MP2A	X	0	3.63
5	MP2A	Z	84.24	3.63
6	MP2A	Mx	0	3.63
7	MP2B	X	0	2.38
8	MP2B	Z	42.818	2.38
9	MP2B	Mx	-.019	2.38
10	MP2B	X	0	3.63
11	MP2B	Z	42.818	3.63
12	MP2B	Mx	-.019	3.63
13	MP2C	X	0	2.38
14	MP2C	Z	42.818	2.38
15	MP2C	Mx	.019	2.38
16	MP2C	X	0	3.63
17	MP2C	Z	42.818	3.63
18	MP2C	Mx	.019	3.63
19	MP3A	X	0	.5
20	MP3A	Z	366.829	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	366.829	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	223.869	.5
27	MP3B	Mx	-.097	.5
28	MP3B	X	0	5.5
29	MP3B	Z	223.869	5.5
30	MP3B	Mx	-.097	5.5
31	MP3C	X	0	.5
32	MP3C	Z	223.869	.5
33	MP3C	Mx	.097	.5
34	MP3C	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	223.869	5.5
36	MP3C	Mx	.097	5.5
37	OVP	X	0	1.5
38	OVP	Z	128.079	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	0	3
41	MP4A	Z	66.618	3
42	MP4A	Mx	0	3
43	MP4B	X	0	3
44	MP4B	Z	46.955	3
45	MP4B	Mx	-.02	3
46	MP4C	X	0	3
47	MP4C	Z	46.955	3
48	MP4C	Mx	.02	3
49	MP3A	X	0	3
50	MP3A	Z	66.618	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	50.178	3
54	MP3B	Mx	-.022	3
55	MP3C	X	0	3
56	MP3C	Z	50.178	3
57	MP3C	Mx	.022	3
58	MP3A	X	0	4.5
59	MP3A	Z	20.63	4.5
60	MP3A	Mx	.007	4.5
61	MP3A	X	0	5.5
62	MP3A	Z	20.63	5.5
63	MP3A	Mx	.007	5.5
64	MP3A	X	0	4.5
65	MP3A	Z	20.63	4.5
66	MP3A	Mx	-.007	4.5
67	MP3A	X	0	5.5
68	MP3A	Z	20.63	5.5
69	MP3A	Mx	-.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-35.216	2.38
2	MP2A	Z	60.996	2.38
3	MP2A	Mx	.018	2.38
4	MP2A	X	-35.216	3.63
5	MP2A	Z	60.996	3.63
6	MP2A	Mx	.018	3.63
7	MP2B	X	-14.506	2.38
8	MP2B	Z	25.124	2.38
9	MP2B	Mx	-.015	2.38
10	MP2B	X	-14.506	3.63
11	MP2B	Z	25.124	3.63
12	MP2B	Mx	-.015	3.63
13	MP2C	X	-35.216	2.38
14	MP2C	Z	60.996	2.38
15	MP2C	Mx	.018	2.38
16	MP2C	X	-35.216	3.63
17	MP2C	Z	60.996	3.63
18	MP2C	Mx	.018	3.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP3A	X	-159.588	.5
20	MP3A	Z	276.415	.5
21	MP3A	Mx	.08	.5
22	MP3A	X	-159.588	5.5
23	MP3A	Z	276.415	5.5
24	MP3A	Mx	.08	5.5
25	MP3B	X	-88.108	.5
26	MP3B	Z	152.607	.5
27	MP3B	Mx	-.088	.5
28	MP3B	X	-88.108	5.5
29	MP3B	Z	152.607	5.5
30	MP3B	Mx	-.088	5.5
31	MP3C	X	-159.588	.5
32	MP3C	Z	276.415	.5
33	MP3C	Mx	.08	.5
34	MP3C	X	-159.588	5.5
35	MP3C	Z	276.415	5.5
36	MP3C	Mx	.08	5.5
37	OVP	X	-55.873	1.5
38	OVP	Z	96.775	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-30.032	3
41	MP4A	Z	52.017	3
42	MP4A	Mx	.015	3
43	MP4B	X	-20.2	3
44	MP4B	Z	34.988	3
45	MP4B	Mx	-.02	3
46	MP4C	X	-30.032	3
47	MP4C	Z	52.017	3
48	MP4C	Mx	.015	3
49	MP3A	X	-30.569	3
50	MP3A	Z	52.947	3
51	MP3A	Mx	.015	3
52	MP3B	X	-22.349	3
53	MP3B	Z	38.71	3
54	MP3B	Mx	-.022	3
55	MP3C	X	-30.569	3
56	MP3C	Z	52.947	3
57	MP3C	Mx	.015	3
58	MP3A	X	-10.323	4.5
59	MP3A	Z	17.879	4.5
60	MP3A	Mx	-.004	4.5
61	MP3A	X	-10.323	5.5
62	MP3A	Z	17.879	5.5
63	MP3A	Mx	-.004	5.5
64	MP3A	X	-10.323	4.5
65	MP3A	Z	17.879	4.5
66	MP3A	Mx	-.016	4.5
67	MP3A	X	-10.323	5.5
68	MP3A	Z	17.879	5.5
69	MP3A	Mx	-.016	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-37.082	2.38
2	MP2A	Z	21.409	2.38

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	.019	2.38
4	MP2A	X	-37.082	3.63
5	MP2A	Z	21.409	3.63
6	MP2A	Mx	.019	3.63
7	MP2B	X	-37.082	2.38
8	MP2B	Z	21.409	2.38
9	MP2B	Mx	-.019	2.38
10	MP2B	X	-37.082	3.63
11	MP2B	Z	21.409	3.63
12	MP2B	Mx	-.019	3.63
13	MP2C	X	-72.954	2.38
14	MP2C	Z	42.12	2.38
15	MP2C	Mx	0	2.38
16	MP2C	X	-72.954	3.63
17	MP2C	Z	42.12	3.63
18	MP2C	Mx	0	3.63
19	MP3A	X	-193.876	.5
20	MP3A	Z	111.935	.5
21	MP3A	Mx	.097	.5
22	MP3A	X	-193.876	5.5
23	MP3A	Z	111.935	5.5
24	MP3A	Mx	.097	5.5
25	MP3B	X	-193.876	.5
26	MP3B	Z	111.935	.5
27	MP3B	Mx	-.097	.5
28	MP3B	X	-193.876	5.5
29	MP3B	Z	111.935	5.5
30	MP3B	Mx	-.097	5.5
31	MP3C	X	-317.684	.5
32	MP3C	Z	183.415	.5
33	MP3C	Mx	0	.5
34	MP3C	X	-317.684	5.5
35	MP3C	Z	183.415	5.5
36	MP3C	Mx	0	5.5
37	OVP	X	-89.703	1.5
38	OVP	Z	51.79	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-40.664	3
41	MP4A	Z	23.478	3
42	MP4A	Mx	.02	3
43	MP4B	X	-40.664	3
44	MP4B	Z	23.478	3
45	MP4B	Mx	-.02	3
46	MP4C	X	-57.693	3
47	MP4C	Z	33.309	3
48	MP4C	Mx	0	3
49	MP3A	X	-43.456	3
50	MP3A	Z	25.089	3
51	MP3A	Mx	.022	3
52	MP3B	X	-43.456	3
53	MP3B	Z	25.089	3
54	MP3B	Mx	-.022	3
55	MP3C	X	-57.693	3
56	MP3C	Z	33.309	3
57	MP3C	Mx	0	3
58	MP3A	X	-17.906	4.5
59	MP3A	Z	10.338	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP3A	Mx	-.014	4.5
61	MP3A	X	-17.906	5.5
62	MP3A	Z	10.338	5.5
63	MP3A	Mx	-.014	5.5
64	MP3A	X	-17.906	4.5
65	MP3A	Z	10.338	4.5
66	MP3A	Mx	-.021	4.5
67	MP3A	X	-17.906	5.5
68	MP3A	Z	10.338	5.5
69	MP3A	Mx	-.021	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-29.011	2.38
2	MP2A	Z	0	2.38
3	MP2A	Mx	.015	2.38
4	MP2A	X	-29.011	3.63
5	MP2A	Z	0	3.63
6	MP2A	Mx	.015	3.63
7	MP2B	X	-70.433	2.38
8	MP2B	Z	0	2.38
9	MP2B	Mx	-.018	2.38
10	MP2B	X	-70.433	3.63
11	MP2B	Z	0	3.63
12	MP2B	Mx	-.018	3.63
13	MP2C	X	-70.433	2.38
14	MP2C	Z	0	2.38
15	MP2C	Mx	-.018	2.38
16	MP2C	X	-70.433	3.63
17	MP2C	Z	0	3.63
18	MP2C	Mx	-.018	3.63
19	MP3A	X	-176.216	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.088	.5
22	MP3A	X	-176.216	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.088	5.5
25	MP3B	X	-319.176	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.08	.5
28	MP3B	X	-319.176	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.08	5.5
31	MP3C	X	-319.176	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.08	.5
34	MP3C	X	-319.176	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.08	5.5
37	OVP	X	-111.747	1.5
38	OVP	Z	0	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-40.401	3
41	MP4A	Z	0	3
42	MP4A	Mx	.02	3
43	MP4B	X	-60.064	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	0	3
45	MP4B	Mx	-.015	3
46	MP4C	X	-60.064	3
47	MP4C	Z	0	3
48	MP4C	Mx	-.015	3
49	MP3A	X	-44.699	3
50	MP3A	Z	0	3
51	MP3A	Mx	.022	3
52	MP3B	X	-61.138	3
53	MP3B	Z	0	3
54	MP3B	Mx	-.015	3
55	MP3C	X	-61.138	3
56	MP3C	Z	0	3
57	MP3C	Mx	-.015	3
58	MP3A	X	-20.691	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	-.021	4.5
61	MP3A	X	-20.691	5.5
62	MP3A	Z	0	5.5
63	MP3A	Mx	-.021	5.5
64	MP3A	X	-20.691	4.5
65	MP3A	Z	0	4.5
66	MP3A	Mx	-.021	4.5
67	MP3A	X	-20.691	5.5
68	MP3A	Z	0	5.5
69	MP3A	Mx	-.021	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-37.082	2.38
2	MP2A	Z	-21.409	2.38
3	MP2A	Mx	.019	2.38
4	MP2A	X	-37.082	3.63
5	MP2A	Z	-21.409	3.63
6	MP2A	Mx	.019	3.63
7	MP2B	X	-72.954	2.38
8	MP2B	Z	-42.12	2.38
9	MP2B	Mx	0	2.38
10	MP2B	X	-72.954	3.63
11	MP2B	Z	-42.12	3.63
12	MP2B	Mx	0	3.63
13	MP2C	X	-37.082	2.38
14	MP2C	Z	-21.409	2.38
15	MP2C	Mx	-.019	2.38
16	MP2C	X	-37.082	3.63
17	MP2C	Z	-21.409	3.63
18	MP2C	Mx	-.019	3.63
19	MP3A	X	-193.876	.5
20	MP3A	Z	-111.935	.5
21	MP3A	Mx	.097	.5
22	MP3A	X	-193.876	5.5
23	MP3A	Z	-111.935	5.5
24	MP3A	Mx	.097	5.5
25	MP3B	X	-317.684	.5
26	MP3B	Z	-183.415	.5
27	MP3B	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP3B	X	-317.684	5.5
29	MP3B	Z	-183.415	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	-193.876	.5
32	MP3C	Z	-111.935	.5
33	MP3C	Mx	-.097	.5
34	MP3C	X	-193.876	5.5
35	MP3C	Z	-111.935	5.5
36	MP3C	Mx	-.097	5.5
37	OVP	X	-110.919	1.5
38	OVP	Z	-64.039	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-40.664	3
41	MP4A	Z	-23.478	3
42	MP4A	Mx	.02	3
43	MP4B	X	-57.693	3
44	MP4B	Z	-33.309	3
45	MP4B	Mx	0	3
46	MP4C	X	-40.664	3
47	MP4C	Z	-23.478	3
48	MP4C	Mx	-.02	3
49	MP3A	X	-43.456	3
50	MP3A	Z	-25.089	3
51	MP3A	Mx	.022	3
52	MP3B	X	-57.693	3
53	MP3B	Z	-33.309	3
54	MP3B	Mx	0	3
55	MP3C	X	-43.456	3
56	MP3C	Z	-25.089	3
57	MP3C	Mx	-.022	3
58	MP3A	X	-17.906	4.5
59	MP3A	Z	-10.338	4.5
60	MP3A	Mx	-.021	4.5
61	MP3A	X	-17.906	5.5
62	MP3A	Z	-10.338	5.5
63	MP3A	Mx	-.021	5.5
64	MP3A	X	-17.906	4.5
65	MP3A	Z	-10.338	4.5
66	MP3A	Mx	-.014	4.5
67	MP3A	X	-17.906	5.5
68	MP3A	Z	-10.338	5.5
69	MP3A	Mx	-.014	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-35.216	2.38
2	MP2A	Z	-60.996	2.38
3	MP2A	Mx	.018	2.38
4	MP2A	X	-35.216	3.63
5	MP2A	Z	-60.996	3.63
6	MP2A	Mx	.018	3.63
7	MP2B	X	-35.216	2.38
8	MP2B	Z	-60.996	2.38
9	MP2B	Mx	.018	2.38
10	MP2B	X	-35.216	3.63
11	MP2B	Z	-60.996	3.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	.018	3.63
13	MP2C	X	-14.506	2.38
14	MP2C	Z	-25.124	2.38
15	MP2C	Mx	-.015	2.38
16	MP2C	X	-14.506	3.63
17	MP2C	Z	-25.124	3.63
18	MP2C	Mx	-.015	3.63
19	MP3A	X	-159.588	.5
20	MP3A	Z	-276.415	.5
21	MP3A	Mx	.08	.5
22	MP3A	X	-159.588	5.5
23	MP3A	Z	-276.415	5.5
24	MP3A	Mx	.08	5.5
25	MP3B	X	-159.588	.5
26	MP3B	Z	-276.415	.5
27	MP3B	Mx	.08	.5
28	MP3B	X	-159.588	5.5
29	MP3B	Z	-276.415	5.5
30	MP3B	Mx	.08	5.5
31	MP3C	X	-88.108	.5
32	MP3C	Z	-152.607	.5
33	MP3C	Mx	-.088	.5
34	MP3C	X	-88.108	5.5
35	MP3C	Z	-152.607	5.5
36	MP3C	Mx	-.088	5.5
37	OVP	X	-68.122	1.5
38	OVP	Z	-117.991	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-30.032	3
41	MP4A	Z	-52.017	3
42	MP4A	Mx	.015	3
43	MP4B	X	-30.032	3
44	MP4B	Z	-52.017	3
45	MP4B	Mx	.015	3
46	MP4C	X	-20.2	3
47	MP4C	Z	-34.988	3
48	MP4C	Mx	-.02	3
49	MP3A	X	-30.569	3
50	MP3A	Z	-52.947	3
51	MP3A	Mx	.015	3
52	MP3B	X	-30.569	3
53	MP3B	Z	-52.947	3
54	MP3B	Mx	.015	3
55	MP3C	X	-22.349	3
56	MP3C	Z	-38.71	3
57	MP3C	Mx	-.022	3
58	MP3A	X	-10.323	4.5
59	MP3A	Z	-17.879	4.5
60	MP3A	Mx	-.016	4.5
61	MP3A	X	-10.323	5.5
62	MP3A	Z	-17.879	5.5
63	MP3A	Mx	-.016	5.5
64	MP3A	X	-10.323	4.5
65	MP3A	Z	-17.879	4.5
66	MP3A	Mx	-.004	4.5
67	MP3A	X	-10.323	5.5
68	MP3A	Z	-17.879	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.38
2	MP2A	Z	-19.824	2.38
3	MP2A	Mx	0	2.38
4	MP2A	X	0	3.63
5	MP2A	Z	-19.824	3.63
6	MP2A	Mx	0	3.63
7	MP2B	X	0	2.38
8	MP2B	Z	-11.292	2.38
9	MP2B	Mx	.005	2.38
10	MP2B	X	0	3.63
11	MP2B	Z	-11.292	3.63
12	MP2B	Mx	.005	3.63
13	MP2C	X	0	2.38
14	MP2C	Z	-11.292	2.38
15	MP2C	Mx	-.005	2.38
16	MP2C	X	0	3.63
17	MP2C	Z	-11.292	3.63
18	MP2C	Mx	-.005	3.63
19	MP3A	X	0	.5
20	MP3A	Z	-68.08	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-68.08	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-42.826	.5
27	MP3B	Mx	.019	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-42.826	5.5
30	MP3B	Mx	.019	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-42.826	.5
33	MP3C	Mx	-.019	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-42.826	5.5
36	MP3C	Mx	-.019	5.5
37	OVP	X	0	1.5
38	OVP	Z	-32.466	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	0	3
41	MP4A	Z	-16.713	3
42	MP4A	Mx	0	3
43	MP4B	X	0	3
44	MP4B	Z	-12.213	3
45	MP4B	Mx	.005	3
46	MP4C	X	0	3
47	MP4C	Z	-12.213	3
48	MP4C	Mx	-.005	3
49	MP3A	X	0	3
50	MP3A	Z	-16.713	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3B	Z	-12.9	3
54	MP3B	Mx	.006	3
55	MP3C	X	0	3
56	MP3C	Z	-12.9	3
57	MP3C	Mx	-.006	3
58	MP3A	X	0	4.5
59	MP3A	Z	-1.734	4.5
60	MP3A	Mx	-.000578	4.5
61	MP3A	X	0	5.5
62	MP3A	Z	-1.734	5.5
63	MP3A	Mx	-.000578	5.5
64	MP3A	X	0	4.5
65	MP3A	Z	-1.734	4.5
66	MP3A	Mx	.000578	4.5
67	MP3A	X	0	5.5
68	MP3A	Z	-1.734	5.5
69	MP3A	Mx	.000578	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.49	2.38
2	MP2A	Z	-14.705	2.38
3	MP2A	Mx	-.004	2.38
4	MP2A	X	8.49	3.63
5	MP2A	Z	-14.705	3.63
6	MP2A	Mx	-.004	3.63
7	MP2B	X	4.224	2.38
8	MP2B	Z	-7.317	2.38
9	MP2B	Mx	.004	2.38
10	MP2B	X	4.224	3.63
11	MP2B	Z	-7.317	3.63
12	MP2B	Mx	.004	3.63
13	MP2C	X	8.49	2.38
14	MP2C	Z	-14.705	2.38
15	MP2C	Mx	-.004	2.38
16	MP2C	X	8.49	3.63
17	MP2C	Z	-14.705	3.63
18	MP2C	Mx	-.004	3.63
19	MP3A	X	29.831	.5
20	MP3A	Z	-51.669	.5
21	MP3A	Mx	-.015	.5
22	MP3A	X	29.831	5.5
23	MP3A	Z	-51.669	5.5
24	MP3A	Mx	-.015	5.5
25	MP3B	X	17.204	.5
26	MP3B	Z	-29.799	.5
27	MP3B	Mx	.017	.5
28	MP3B	X	17.204	5.5
29	MP3B	Z	-29.799	5.5
30	MP3B	Mx	.017	5.5
31	MP3C	X	29.831	.5
32	MP3C	Z	-51.669	.5
33	MP3C	Mx	-.015	.5
34	MP3C	X	29.831	5.5
35	MP3C	Z	-51.669	5.5
36	MP3C	Mx	-.015	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	OVP	X	14.363	1.5
38	OVP	Z	-24.877	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	7.607	3
41	MP4A	Z	-13.175	3
42	MP4A	Mx	-.004	3
43	MP4B	X	5.357	3
44	MP4B	Z	-9.278	3
45	MP4B	Mx	.005	3
46	MP4C	X	7.607	3
47	MP4C	Z	-13.175	3
48	MP4C	Mx	-.004	3
49	MP3A	X	7.721	3
50	MP3A	Z	-13.373	3
51	MP3A	Mx	-.004	3
52	MP3B	X	5.814	3
53	MP3B	Z	-10.071	3
54	MP3B	Mx	.006	3
55	MP3C	X	7.721	3
56	MP3C	Z	-13.373	3
57	MP3C	Mx	-.004	3
58	MP3A	X	1.225	4.5
59	MP3A	Z	-2.121	4.5
60	MP3A	Mx	.000518	4.5
61	MP3A	X	1.225	5.5
62	MP3A	Z	-2.121	5.5
63	MP3A	Mx	.000518	5.5
64	MP3A	X	1.225	4.5
65	MP3A	Z	-2.121	4.5
66	MP3A	Mx	.002	4.5
67	MP3A	X	1.225	5.5
68	MP3A	Z	-2.121	5.5
69	MP3A	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.779	2.38
2	MP2A	Z	-5.646	2.38
3	MP2A	Mx	-.005	2.38
4	MP2A	X	9.779	3.63
5	MP2A	Z	-5.646	3.63
6	MP2A	Mx	-.005	3.63
7	MP2B	X	9.779	2.38
8	MP2B	Z	-5.646	2.38
9	MP2B	Mx	.005	2.38
10	MP2B	X	9.779	3.63
11	MP2B	Z	-5.646	3.63
12	MP2B	Mx	.005	3.63
13	MP2C	X	17.168	2.38
14	MP2C	Z	-9.912	2.38
15	MP2C	Mx	0	2.38
16	MP2C	X	17.168	3.63
17	MP2C	Z	-9.912	3.63
18	MP2C	Mx	0	3.63
19	MP3A	X	37.089	.5
20	MP3A	Z	-21.413	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mx	-.019	.5
22	MP3A	X	37.089	5.5
23	MP3A	Z	-21.413	5.5
24	MP3A	Mx	-.019	5.5
25	MP3B	X	37.089	.5
26	MP3B	Z	-21.413	.5
27	MP3B	Mx	.019	.5
28	MP3B	X	37.089	5.5
29	MP3B	Z	-21.413	5.5
30	MP3B	Mx	.019	5.5
31	MP3C	X	58.959	.5
32	MP3C	Z	-34.04	.5
33	MP3C	Mx	0	.5
34	MP3C	X	58.959	5.5
35	MP3C	Z	-34.04	5.5
36	MP3C	Mx	0	5.5
37	OVP	X	23.257	1.5
38	OVP	Z	-13.427	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	10.577	3
41	MP4A	Z	-6.107	3
42	MP4A	Mx	-.005	3
43	MP4B	X	10.577	3
44	MP4B	Z	-6.107	3
45	MP4B	Mx	.005	3
46	MP4C	X	14.474	3
47	MP4C	Z	-8.357	3
48	MP4C	Mx	0	3
49	MP3A	X	11.172	3
50	MP3A	Z	-6.45	3
51	MP3A	Mx	-.006	3
52	MP3B	X	11.172	3
53	MP3B	Z	-6.45	3
54	MP3B	Mx	.006	3
55	MP3C	X	14.474	3
56	MP3C	Z	-8.357	3
57	MP3C	Mx	0	3
58	MP3A	X	3.36	4.5
59	MP3A	Z	-1.94	4.5
60	MP3A	Mx	.003	4.5
61	MP3A	X	3.36	5.5
62	MP3A	Z	-1.94	5.5
63	MP3A	Mx	.003	5.5
64	MP3A	X	3.36	4.5
65	MP3A	Z	-1.94	4.5
66	MP3A	Mx	.004	4.5
67	MP3A	X	3.36	5.5
68	MP3A	Z	-1.94	5.5
69	MP3A	Mx	.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.449	2.38
2	MP2A	Z	0	2.38
3	MP2A	Mx	-.004	2.38
4	MP2A	X	8.449	3.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	0	3.63
6	MP2A	Mx	-.004	3.63
7	MP2B	X	16.98	2.38
8	MP2B	Z	0	2.38
9	MP2B	Mx	.004	2.38
10	MP2B	X	16.98	3.63
11	MP2B	Z	0	3.63
12	MP2B	Mx	.004	3.63
13	MP2C	X	16.98	2.38
14	MP2C	Z	0	2.38
15	MP2C	Mx	.004	2.38
16	MP2C	X	16.98	3.63
17	MP2C	Z	0	3.63
18	MP2C	Mx	.004	3.63
19	MP3A	X	34.408	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.017	.5
22	MP3A	X	34.408	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.017	5.5
25	MP3B	X	59.662	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.015	.5
28	MP3B	X	59.662	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.015	5.5
31	MP3C	X	59.662	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.015	.5
34	MP3C	X	59.662	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.015	5.5
37	OVP	X	28.725	1.5
38	OVP	Z	0	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	10.713	3
41	MP4A	Z	0	3
42	MP4A	Mx	-.005	3
43	MP4B	X	15.213	3
44	MP4B	Z	0	3
45	MP4B	Mx	.004	3
46	MP4C	X	15.213	3
47	MP4C	Z	0	3
48	MP4C	Mx	.004	3
49	MP3A	X	11.629	3
50	MP3A	Z	0	3
51	MP3A	Mx	-.006	3
52	MP3B	X	15.442	3
53	MP3B	Z	0	3
54	MP3B	Mx	.004	3
55	MP3C	X	15.442	3
56	MP3C	Z	0	3
57	MP3C	Mx	.004	3
58	MP3A	X	4.596	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	.005	4.5
61	MP3A	X	4.596	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3A	Z	0	5.5
63	MP3A	Mx	.005	5.5
64	MP3A	X	4.596	4.5
65	MP3A	Z	0	4.5
66	MP3A	Mx	.005	4.5
67	MP3A	X	4.596	5.5
68	MP3A	Z	0	5.5
69	MP3A	Mx	.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.779	2.38
2	MP2A	Z	5.646	2.38
3	MP2A	Mx	-.005	2.38
4	MP2A	X	9.779	3.63
5	MP2A	Z	5.646	3.63
6	MP2A	Mx	-.005	3.63
7	MP2B	X	17.168	2.38
8	MP2B	Z	9.912	2.38
9	MP2B	Mx	0	2.38
10	MP2B	X	17.168	3.63
11	MP2B	Z	9.912	3.63
12	MP2B	Mx	0	3.63
13	MP2C	X	9.779	2.38
14	MP2C	Z	5.646	2.38
15	MP2C	Mx	.005	2.38
16	MP2C	X	9.779	3.63
17	MP2C	Z	5.646	3.63
18	MP2C	Mx	.005	3.63
19	MP3A	X	37.089	.5
20	MP3A	Z	21.413	.5
21	MP3A	Mx	-.019	.5
22	MP3A	X	37.089	5.5
23	MP3A	Z	21.413	5.5
24	MP3A	Mx	-.019	5.5
25	MP3B	X	58.959	.5
26	MP3B	Z	34.04	.5
27	MP3B	Mx	0	.5
28	MP3B	X	58.959	5.5
29	MP3B	Z	34.04	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	37.089	.5
32	MP3C	Z	21.413	.5
33	MP3C	Mx	.019	.5
34	MP3C	X	37.089	5.5
35	MP3C	Z	21.413	5.5
36	MP3C	Mx	.019	5.5
37	OVP	X	28.117	1.5
38	OVP	Z	16.233	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	10.577	3
41	MP4A	Z	6.107	3
42	MP4A	Mx	-.005	3
43	MP4B	X	14.474	3
44	MP4B	Z	8.357	3
45	MP4B	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4C	X	10.577	3
47	MP4C	Z	6.107	3
48	MP4C	Mx	.005	3
49	MP3A	X	11.172	3
50	MP3A	Z	6.45	3
51	MP3A	Mx	-.006	3
52	MP3B	X	14.474	3
53	MP3B	Z	8.357	3
54	MP3B	Mx	0	3
55	MP3C	X	11.172	3
56	MP3C	Z	6.45	3
57	MP3C	Mx	.006	3
58	MP3A	X	3.36	4.5
59	MP3A	Z	1.94	4.5
60	MP3A	Mx	.004	4.5
61	MP3A	X	3.36	5.5
62	MP3A	Z	1.94	5.5
63	MP3A	Mx	.004	5.5
64	MP3A	X	3.36	4.5
65	MP3A	Z	1.94	4.5
66	MP3A	Mx	.003	4.5
67	MP3A	X	3.36	5.5
68	MP3A	Z	1.94	5.5
69	MP3A	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.49	2.38
2	MP2A	Z	14.705	2.38
3	MP2A	Mx	-.004	2.38
4	MP2A	X	8.49	3.63
5	MP2A	Z	14.705	3.63
6	MP2A	Mx	-.004	3.63
7	MP2B	X	8.49	2.38
8	MP2B	Z	14.705	2.38
9	MP2B	Mx	-.004	2.38
10	MP2B	X	8.49	3.63
11	MP2B	Z	14.705	3.63
12	MP2B	Mx	-.004	3.63
13	MP2C	X	4.224	2.38
14	MP2C	Z	7.317	2.38
15	MP2C	Mx	.004	2.38
16	MP2C	X	4.224	3.63
17	MP2C	Z	7.317	3.63
18	MP2C	Mx	.004	3.63
19	MP3A	X	29.831	.5
20	MP3A	Z	51.669	.5
21	MP3A	Mx	-.015	.5
22	MP3A	X	29.831	5.5
23	MP3A	Z	51.669	5.5
24	MP3A	Mx	-.015	5.5
25	MP3B	X	29.831	.5
26	MP3B	Z	51.669	.5
27	MP3B	Mx	-.015	.5
28	MP3B	X	29.831	5.5
29	MP3B	Z	51.669	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3B	Mx	-.015	5.5
31	MP3C	X	17.204	.5
32	MP3C	Z	29.799	.5
33	MP3C	Mx	.017	.5
34	MP3C	X	17.204	5.5
35	MP3C	Z	29.799	5.5
36	MP3C	Mx	.017	5.5
37	OVP	X	17.168	1.5
38	OVP	Z	29.737	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	7.607	3
41	MP4A	Z	13.175	3
42	MP4A	Mx	-.004	3
43	MP4B	X	7.607	3
44	MP4B	Z	13.175	3
45	MP4B	Mx	-.004	3
46	MP4C	X	5.357	3
47	MP4C	Z	9.278	3
48	MP4C	Mx	.005	3
49	MP3A	X	7.721	3
50	MP3A	Z	13.373	3
51	MP3A	Mx	-.004	3
52	MP3B	X	7.721	3
53	MP3B	Z	13.373	3
54	MP3B	Mx	-.004	3
55	MP3C	X	5.814	3
56	MP3C	Z	10.071	3
57	MP3C	Mx	.006	3
58	MP3A	X	1.225	4.5
59	MP3A	Z	2.121	4.5
60	MP3A	Mx	.002	4.5
61	MP3A	X	1.225	5.5
62	MP3A	Z	2.121	5.5
63	MP3A	Mx	.002	5.5
64	MP3A	X	1.225	4.5
65	MP3A	Z	2.121	4.5
66	MP3A	Mx	.000518	4.5
67	MP3A	X	1.225	5.5
68	MP3A	Z	2.121	5.5
69	MP3A	Mx	.000518	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.38
2	MP2A	Z	19.824	2.38
3	MP2A	Mx	0	2.38
4	MP2A	X	0	3.63
5	MP2A	Z	19.824	3.63
6	MP2A	Mx	0	3.63
7	MP2B	X	0	2.38
8	MP2B	Z	11.292	2.38
9	MP2B	Mx	-.005	2.38
10	MP2B	X	0	3.63
11	MP2B	Z	11.292	3.63
12	MP2B	Mx	-.005	3.63
13	MP2C	X	0	2.38

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP2C	Z	11.292	2.38
15	MP2C	Mx	.005	2.38
16	MP2C	X	0	3.63
17	MP2C	Z	11.292	3.63
18	MP2C	Mx	.005	3.63
19	MP3A	X	0	.5
20	MP3A	Z	68.08	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	68.08	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	42.826	.5
27	MP3B	Mx	-.019	.5
28	MP3B	X	0	5.5
29	MP3B	Z	42.826	5.5
30	MP3B	Mx	-.019	5.5
31	MP3C	X	0	.5
32	MP3C	Z	42.826	.5
33	MP3C	Mx	.019	.5
34	MP3C	X	0	5.5
35	MP3C	Z	42.826	5.5
36	MP3C	Mx	.019	5.5
37	OVP	X	0	1.5
38	OVP	Z	32.466	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	0	3
41	MP4A	Z	16.713	3
42	MP4A	Mx	0	3
43	MP4B	X	0	3
44	MP4B	Z	12.213	3
45	MP4B	Mx	-.005	3
46	MP4C	X	0	3
47	MP4C	Z	12.213	3
48	MP4C	Mx	.005	3
49	MP3A	X	0	3
50	MP3A	Z	16.713	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	12.9	3
54	MP3B	Mx	-.006	3
55	MP3C	X	0	3
56	MP3C	Z	12.9	3
57	MP3C	Mx	.006	3
58	MP3A	X	0	4.5
59	MP3A	Z	1.734	4.5
60	MP3A	Mx	.000578	4.5
61	MP3A	X	0	5.5
62	MP3A	Z	1.734	5.5
63	MP3A	Mx	.000578	5.5
64	MP3A	X	0	4.5
65	MP3A	Z	1.734	4.5
66	MP3A	Mx	-.000578	4.5
67	MP3A	X	0	5.5
68	MP3A	Z	1.734	5.5
69	MP3A	Mx	-.000578	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.49	2.38
2	MP2A	Z	14.705	2.38
3	MP2A	Mx	.004	2.38
4	MP2A	X	-8.49	3.63
5	MP2A	Z	14.705	3.63
6	MP2A	Mx	.004	3.63
7	MP2B	X	-4.224	2.38
8	MP2B	Z	7.317	2.38
9	MP2B	Mx	-.004	2.38
10	MP2B	X	-4.224	3.63
11	MP2B	Z	7.317	3.63
12	MP2B	Mx	-.004	3.63
13	MP2C	X	-8.49	2.38
14	MP2C	Z	14.705	2.38
15	MP2C	Mx	.004	2.38
16	MP2C	X	-8.49	3.63
17	MP2C	Z	14.705	3.63
18	MP2C	Mx	.004	3.63
19	MP3A	X	-29.831	.5
20	MP3A	Z	51.669	.5
21	MP3A	Mx	.015	.5
22	MP3A	X	-29.831	5.5
23	MP3A	Z	51.669	5.5
24	MP3A	Mx	.015	5.5
25	MP3B	X	-17.204	.5
26	MP3B	Z	29.799	.5
27	MP3B	Mx	-.017	.5
28	MP3B	X	-17.204	5.5
29	MP3B	Z	29.799	5.5
30	MP3B	Mx	-.017	5.5
31	MP3C	X	-29.831	.5
32	MP3C	Z	51.669	.5
33	MP3C	Mx	.015	.5
34	MP3C	X	-29.831	5.5
35	MP3C	Z	51.669	5.5
36	MP3C	Mx	.015	5.5
37	OVP	X	-14.363	1.5
38	OVP	Z	24.877	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-7.607	3
41	MP4A	Z	13.175	3
42	MP4A	Mx	.004	3
43	MP4B	X	-5.357	3
44	MP4B	Z	9.278	3
45	MP4B	Mx	-.005	3
46	MP4C	X	-7.607	3
47	MP4C	Z	13.175	3
48	MP4C	Mx	.004	3
49	MP3A	X	-7.721	3
50	MP3A	Z	13.373	3
51	MP3A	Mx	.004	3
52	MP3B	X	-5.814	3
53	MP3B	Z	10.071	3
54	MP3B	Mx	-.006	3
55	MP3C	X	-7.721	3
56	MP3C	Z	13.373	3
57	MP3C	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-1.225	4.5
59	MP3A	Z	2.121	4.5
60	MP3A	Mx	-.000518	4.5
61	MP3A	X	-1.225	5.5
62	MP3A	Z	2.121	5.5
63	MP3A	Mx	-.000518	5.5
64	MP3A	X	-1.225	4.5
65	MP3A	Z	2.121	4.5
66	MP3A	Mx	-.002	4.5
67	MP3A	X	-1.225	5.5
68	MP3A	Z	2.121	5.5
69	MP3A	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-9.779	2.38
2	MP2A	Z	5.646	2.38
3	MP2A	Mx	.005	2.38
4	MP2A	X	-9.779	3.63
5	MP2A	Z	5.646	3.63
6	MP2A	Mx	.005	3.63
7	MP2B	X	-9.779	2.38
8	MP2B	Z	5.646	2.38
9	MP2B	Mx	-.005	2.38
10	MP2B	X	-9.779	3.63
11	MP2B	Z	5.646	3.63
12	MP2B	Mx	-.005	3.63
13	MP2C	X	-17.168	2.38
14	MP2C	Z	9.912	2.38
15	MP2C	Mx	0	2.38
16	MP2C	X	-17.168	3.63
17	MP2C	Z	9.912	3.63
18	MP2C	Mx	0	3.63
19	MP3A	X	-37.089	.5
20	MP3A	Z	21.413	.5
21	MP3A	Mx	.019	.5
22	MP3A	X	-37.089	5.5
23	MP3A	Z	21.413	5.5
24	MP3A	Mx	.019	5.5
25	MP3B	X	-37.089	.5
26	MP3B	Z	21.413	.5
27	MP3B	Mx	-.019	.5
28	MP3B	X	-37.089	5.5
29	MP3B	Z	21.413	5.5
30	MP3B	Mx	-.019	5.5
31	MP3C	X	-58.959	.5
32	MP3C	Z	34.04	.5
33	MP3C	Mx	0	.5
34	MP3C	X	-58.959	5.5
35	MP3C	Z	34.04	5.5
36	MP3C	Mx	0	5.5
37	OVP	X	-23.257	1.5
38	OVP	Z	13.427	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-10.577	3
41	MP4A	Z	6.107	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP4A	Mx	.005	3
43	MP4B	X	-10.577	3
44	MP4B	Z	6.107	3
45	MP4B	Mx	-.005	3
46	MP4C	X	-14.474	3
47	MP4C	Z	8.357	3
48	MP4C	Mx	0	3
49	MP3A	X	-11.172	3
50	MP3A	Z	6.45	3
51	MP3A	Mx	.006	3
52	MP3B	X	-11.172	3
53	MP3B	Z	6.45	3
54	MP3B	Mx	-.006	3
55	MP3C	X	-14.474	3
56	MP3C	Z	8.357	3
57	MP3C	Mx	0	3
58	MP3A	X	-3.36	4.5
59	MP3A	Z	1.94	4.5
60	MP3A	Mx	-.003	4.5
61	MP3A	X	-3.36	5.5
62	MP3A	Z	1.94	5.5
63	MP3A	Mx	-.003	5.5
64	MP3A	X	-3.36	4.5
65	MP3A	Z	1.94	4.5
66	MP3A	Mx	-.004	4.5
67	MP3A	X	-3.36	5.5
68	MP3A	Z	1.94	5.5
69	MP3A	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.449	2.38
2	MP2A	Z	0	2.38
3	MP2A	Mx	.004	2.38
4	MP2A	X	-8.449	3.63
5	MP2A	Z	0	3.63
6	MP2A	Mx	.004	3.63
7	MP2B	X	-16.98	2.38
8	MP2B	Z	0	2.38
9	MP2B	Mx	-.004	2.38
10	MP2B	X	-16.98	3.63
11	MP2B	Z	0	3.63
12	MP2B	Mx	-.004	3.63
13	MP2C	X	-16.98	2.38
14	MP2C	Z	0	2.38
15	MP2C	Mx	-.004	2.38
16	MP2C	X	-16.98	3.63
17	MP2C	Z	0	3.63
18	MP2C	Mx	-.004	3.63
19	MP3A	X	-34.408	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.017	.5
22	MP3A	X	-34.408	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.017	5.5
25	MP3B	X	-59.662	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP3B	Z	0	.5
27	MP3B	Mx	-.015	.5
28	MP3B	X	-59.662	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.015	5.5
31	MP3C	X	-59.662	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.015	.5
34	MP3C	X	-59.662	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.015	5.5
37	OVP	X	-28.725	1.5
38	OVP	Z	0	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-10.713	3
41	MP4A	Z	0	3
42	MP4A	Mx	.005	3
43	MP4B	X	-15.213	3
44	MP4B	Z	0	3
45	MP4B	Mx	-.004	3
46	MP4C	X	-15.213	3
47	MP4C	Z	0	3
48	MP4C	Mx	-.004	3
49	MP3A	X	-11.629	3
50	MP3A	Z	0	3
51	MP3A	Mx	.006	3
52	MP3B	X	-15.442	3
53	MP3B	Z	0	3
54	MP3B	Mx	-.004	3
55	MP3C	X	-15.442	3
56	MP3C	Z	0	3
57	MP3C	Mx	-.004	3
58	MP3A	X	-4.596	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	-.005	4.5
61	MP3A	X	-4.596	5.5
62	MP3A	Z	0	5.5
63	MP3A	Mx	-.005	5.5
64	MP3A	X	-4.596	4.5
65	MP3A	Z	0	4.5
66	MP3A	Mx	-.005	4.5
67	MP3A	X	-4.596	5.5
68	MP3A	Z	0	5.5
69	MP3A	Mx	-.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-9.779	2.38
2	MP2A	Z	-5.646	2.38
3	MP2A	Mx	.005	2.38
4	MP2A	X	-9.779	3.63
5	MP2A	Z	-5.646	3.63
6	MP2A	Mx	.005	3.63
7	MP2B	X	-17.168	2.38
8	MP2B	Z	-9.912	2.38
9	MP2B	Mx	0	2.38

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2B	X	-17.168	3.63
11	MP2B	Z	-9.912	3.63
12	MP2B	Mx	0	3.63
13	MP2C	X	-9.779	2.38
14	MP2C	Z	-5.646	2.38
15	MP2C	Mx	-.005	2.38
16	MP2C	X	-9.779	3.63
17	MP2C	Z	-5.646	3.63
18	MP2C	Mx	-.005	3.63
19	MP3A	X	-37.089	.5
20	MP3A	Z	-21.413	.5
21	MP3A	Mx	.019	.5
22	MP3A	X	-37.089	5.5
23	MP3A	Z	-21.413	5.5
24	MP3A	Mx	.019	5.5
25	MP3B	X	-58.959	.5
26	MP3B	Z	-34.04	.5
27	MP3B	Mx	0	.5
28	MP3B	X	-58.959	5.5
29	MP3B	Z	-34.04	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	-37.089	.5
32	MP3C	Z	-21.413	.5
33	MP3C	Mx	-.019	.5
34	MP3C	X	-37.089	5.5
35	MP3C	Z	-21.413	5.5
36	MP3C	Mx	-.019	5.5
37	OVP	X	-28.117	1.5
38	OVP	Z	-16.233	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-10.577	3
41	MP4A	Z	-6.107	3
42	MP4A	Mx	.005	3
43	MP4B	X	-14.474	3
44	MP4B	Z	-8.357	3
45	MP4B	Mx	0	3
46	MP4C	X	-10.577	3
47	MP4C	Z	-6.107	3
48	MP4C	Mx	-.005	3
49	MP3A	X	-11.172	3
50	MP3A	Z	-6.45	3
51	MP3A	Mx	.006	3
52	MP3B	X	-14.474	3
53	MP3B	Z	-8.357	3
54	MP3B	Mx	0	3
55	MP3C	X	-11.172	3
56	MP3C	Z	-6.45	3
57	MP3C	Mx	-.006	3
58	MP3A	X	-3.36	4.5
59	MP3A	Z	-1.94	4.5
60	MP3A	Mx	-.004	4.5
61	MP3A	X	-3.36	5.5
62	MP3A	Z	-1.94	5.5
63	MP3A	Mx	-.004	5.5
64	MP3A	X	-3.36	4.5
65	MP3A	Z	-1.94	4.5
66	MP3A	Mx	-.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP3A	X	-3.36	5.5
68	MP3A	Z	-1.94	5.5
69	MP3A	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.49	2.38
2	MP2A	Z	-14.705	2.38
3	MP2A	Mx	.004	2.38
4	MP2A	X	-8.49	3.63
5	MP2A	Z	-14.705	3.63
6	MP2A	Mx	.004	3.63
7	MP2B	X	-8.49	2.38
8	MP2B	Z	-14.705	2.38
9	MP2B	Mx	.004	2.38
10	MP2B	X	-8.49	3.63
11	MP2B	Z	-14.705	3.63
12	MP2B	Mx	.004	3.63
13	MP2C	X	-4.224	2.38
14	MP2C	Z	-7.317	2.38
15	MP2C	Mx	-.004	2.38
16	MP2C	X	-4.224	3.63
17	MP2C	Z	-7.317	3.63
18	MP2C	Mx	-.004	3.63
19	MP3A	X	-29.831	.5
20	MP3A	Z	-51.669	.5
21	MP3A	Mx	.015	.5
22	MP3A	X	-29.831	5.5
23	MP3A	Z	-51.669	5.5
24	MP3A	Mx	.015	5.5
25	MP3B	X	-29.831	.5
26	MP3B	Z	-51.669	.5
27	MP3B	Mx	.015	.5
28	MP3B	X	-29.831	5.5
29	MP3B	Z	-51.669	5.5
30	MP3B	Mx	.015	5.5
31	MP3C	X	-17.204	.5
32	MP3C	Z	-29.799	.5
33	MP3C	Mx	-.017	.5
34	MP3C	X	-17.204	5.5
35	MP3C	Z	-29.799	5.5
36	MP3C	Mx	-.017	5.5
37	OVP	X	-17.168	1.5
38	OVP	Z	-29.737	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-7.607	3
41	MP4A	Z	-13.175	3
42	MP4A	Mx	.004	3
43	MP4B	X	-7.607	3
44	MP4B	Z	-13.175	3
45	MP4B	Mx	.004	3
46	MP4C	X	-5.357	3
47	MP4C	Z	-9.278	3
48	MP4C	Mx	-.005	3
49	MP3A	X	-7.721	3
50	MP3A	Z	-13.373	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP3A	Mx	.004	3
52	MP3B	X	-7.721	3
53	MP3B	Z	-13.373	3
54	MP3B	Mx	.004	3
55	MP3C	X	-5.814	3
56	MP3C	Z	-10.071	3
57	MP3C	Mx	-.006	3
58	MP3A	X	-1.225	4.5
59	MP3A	Z	-2.121	4.5
60	MP3A	Mx	-.002	4.5
61	MP3A	X	-1.225	5.5
62	MP3A	Z	-2.121	5.5
63	MP3A	Mx	-.002	5.5
64	MP3A	X	-1.225	4.5
65	MP3A	Z	-2.121	4.5
66	MP3A	Mx	-.000518	4.5
67	MP3A	X	-1.225	5.5
68	MP3A	Z	-2.121	5.5
69	MP3A	Mx	-.000518	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.38
2	MP2A	Z	-5.265	2.38
3	MP2A	Mx	0	2.38
4	MP2A	X	0	3.63
5	MP2A	Z	-5.265	3.63
6	MP2A	Mx	0	3.63
7	MP2B	X	0	2.38
8	MP2B	Z	-2.676	2.38
9	MP2B	Mx	.001	2.38
10	MP2B	X	0	3.63
11	MP2B	Z	-2.676	3.63
12	MP2B	Mx	.001	3.63
13	MP2C	X	0	2.38
14	MP2C	Z	-2.676	2.38
15	MP2C	Mx	-.001	2.38
16	MP2C	X	0	3.63
17	MP2C	Z	-2.676	3.63
18	MP2C	Mx	-.001	3.63
19	MP3A	X	0	.5
20	MP3A	Z	-22.927	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-22.927	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-13.992	.5
27	MP3B	Mx	.006	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-13.992	5.5
30	MP3B	Mx	.006	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-13.992	.5
33	MP3C	Mx	-.006	.5
34	MP3C	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	-13.992	5.5
36	MP3C	Mx	-.006	5.5
37	OVP	X	0	1.5
38	OVP	Z	-8.005	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	0	3
41	MP4A	Z	-4.164	3
42	MP4A	Mx	0	3
43	MP4B	X	0	3
44	MP4B	Z	-2.935	3
45	MP4B	Mx	.001	3
46	MP4C	X	0	3
47	MP4C	Z	-2.935	3
48	MP4C	Mx	-.001	3
49	MP3A	X	0	3
50	MP3A	Z	-4.164	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	-3.136	3
54	MP3B	Mx	.001	3
55	MP3C	X	0	3
56	MP3C	Z	-3.136	3
57	MP3C	Mx	-.001	3
58	MP3A	X	0	4.5
59	MP3A	Z	-1.289	4.5
60	MP3A	Mx	-.00043	4.5
61	MP3A	X	0	5.5
62	MP3A	Z	-1.289	5.5
63	MP3A	Mx	-.00043	5.5
64	MP3A	X	0	4.5
65	MP3A	Z	-1.289	4.5
66	MP3A	Mx	.00043	4.5
67	MP3A	X	0	5.5
68	MP3A	Z	-1.289	5.5
69	MP3A	Mx	.00043	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.201	2.38
2	MP2A	Z	-3.812	2.38
3	MP2A	Mx	-.001	2.38
4	MP2A	X	2.201	3.63
5	MP2A	Z	-3.812	3.63
6	MP2A	Mx	-.001	3.63
7	MP2B	X	.907	2.38
8	MP2B	Z	-1.57	2.38
9	MP2B	Mx	.000907	2.38
10	MP2B	X	.907	3.63
11	MP2B	Z	-1.57	3.63
12	MP2B	Mx	.000907	3.63
13	MP2C	X	2.201	2.38
14	MP2C	Z	-3.812	2.38
15	MP2C	Mx	-.001	2.38
16	MP2C	X	2.201	3.63
17	MP2C	Z	-3.812	3.63
18	MP2C	Mx	-.001	3.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP3A	X	9.974	.5
20	MP3A	Z	-17.276	.5
21	MP3A	Mx	-.005	.5
22	MP3A	X	9.974	5.5
23	MP3A	Z	-17.276	5.5
24	MP3A	Mx	-.005	5.5
25	MP3B	X	5.507	.5
26	MP3B	Z	-9.538	.5
27	MP3B	Mx	.006	.5
28	MP3B	X	5.507	5.5
29	MP3B	Z	-9.538	5.5
30	MP3B	Mx	.006	5.5
31	MP3C	X	9.974	.5
32	MP3C	Z	-17.276	.5
33	MP3C	Mx	-.005	.5
34	MP3C	X	9.974	5.5
35	MP3C	Z	-17.276	5.5
36	MP3C	Mx	-.005	5.5
37	OVP	X	3.492	1.5
38	OVP	Z	-6.048	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	1.877	3
41	MP4A	Z	-3.251	3
42	MP4A	Mx	-.000938	3
43	MP4B	X	1.263	3
44	MP4B	Z	-2.187	3
45	MP4B	Mx	.001	3
46	MP4C	X	1.877	3
47	MP4C	Z	-3.251	3
48	MP4C	Mx	-.000938	3
49	MP3A	X	1.911	3
50	MP3A	Z	-3.309	3
51	MP3A	Mx	-.000956	3
52	MP3B	X	1.397	3
53	MP3B	Z	-2.419	3
54	MP3B	Mx	.001	3
55	MP3C	X	1.911	3
56	MP3C	Z	-3.309	3
57	MP3C	Mx	-.000955	3
58	MP3A	X	.645	4.5
59	MP3A	Z	-1.117	4.5
60	MP3A	Mx	.000273	4.5
61	MP3A	X	.645	5.5
62	MP3A	Z	-1.117	5.5
63	MP3A	Mx	.000273	5.5
64	MP3A	X	.645	4.5
65	MP3A	Z	-1.117	4.5
66	MP3A	Mx	.001	4.5
67	MP3A	X	.645	5.5
68	MP3A	Z	-1.117	5.5
69	MP3A	Mx	.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.318	2.38
2	MP2A	Z	-1.338	2.38

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	-.001	2.38
4	MP2A	X	2.318	3.63
5	MP2A	Z	-1.338	3.63
6	MP2A	Mx	-.001	3.63
7	MP2B	X	2.318	2.38
8	MP2B	Z	-1.338	2.38
9	MP2B	Mx	.001	2.38
10	MP2B	X	2.318	3.63
11	MP2B	Z	-1.338	3.63
12	MP2B	Mx	.001	3.63
13	MP2C	X	4.56	2.38
14	MP2C	Z	-2.632	2.38
15	MP2C	Mx	0	2.38
16	MP2C	X	4.56	3.63
17	MP2C	Z	-2.632	3.63
18	MP2C	Mx	0	3.63
19	MP3A	X	12.117	.5
20	MP3A	Z	-6.996	.5
21	MP3A	Mx	-.006	.5
22	MP3A	X	12.117	5.5
23	MP3A	Z	-6.996	5.5
24	MP3A	Mx	-.006	5.5
25	MP3B	X	12.117	.5
26	MP3B	Z	-6.996	.5
27	MP3B	Mx	.006	.5
28	MP3B	X	12.117	5.5
29	MP3B	Z	-6.996	5.5
30	MP3B	Mx	.006	5.5
31	MP3C	X	19.855	.5
32	MP3C	Z	-11.463	.5
33	MP3C	Mx	0	.5
34	MP3C	X	19.855	5.5
35	MP3C	Z	-11.463	5.5
36	MP3C	Mx	0	5.5
37	OVP	X	5.606	1.5
38	OVP	Z	-3.237	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	2.542	3
41	MP4A	Z	-1.467	3
42	MP4A	Mx	-.001	3
43	MP4B	X	2.542	3
44	MP4B	Z	-1.467	3
45	MP4B	Mx	.001	3
46	MP4C	X	3.606	3
47	MP4C	Z	-2.082	3
48	MP4C	Mx	0	3
49	MP3A	X	2.716	3
50	MP3A	Z	-1.568	3
51	MP3A	Mx	-.001	3
52	MP3B	X	2.716	3
53	MP3B	Z	-1.568	3
54	MP3B	Mx	.001	3
55	MP3C	X	3.606	3
56	MP3C	Z	-2.082	3
57	MP3C	Mx	0	3
58	MP3A	X	1.119	4.5
59	MP3A	Z	-.646	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP3A	Mx	.000904	4.5
61	MP3A	X	1.119	5.5
62	MP3A	Z	-.646	5.5
63	MP3A	Mx	.000904	5.5
64	MP3A	X	1.119	4.5
65	MP3A	Z	-.646	4.5
66	MP3A	Mx	.001	4.5
67	MP3A	X	1.119	5.5
68	MP3A	Z	-.646	5.5
69	MP3A	Mx	.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.813	2.38
2	MP2A	Z	0	2.38
3	MP2A	Mx	-.000906	2.38
4	MP2A	X	1.813	3.63
5	MP2A	Z	0	3.63
6	MP2A	Mx	-.000906	3.63
7	MP2B	X	4.402	2.38
8	MP2B	Z	0	2.38
9	MP2B	Mx	.001	2.38
10	MP2B	X	4.402	3.63
11	MP2B	Z	0	3.63
12	MP2B	Mx	.001	3.63
13	MP2C	X	4.402	2.38
14	MP2C	Z	0	2.38
15	MP2C	Mx	.001	2.38
16	MP2C	X	4.402	3.63
17	MP2C	Z	0	3.63
18	MP2C	Mx	.001	3.63
19	MP3A	X	11.013	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.006	.5
22	MP3A	X	11.013	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.006	5.5
25	MP3B	X	19.948	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.005	.5
28	MP3B	X	19.948	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.005	5.5
31	MP3C	X	19.948	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.005	.5
34	MP3C	X	19.948	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.005	5.5
37	OVP	X	6.984	1.5
38	OVP	Z	0	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	2.525	3
41	MP4A	Z	0	3
42	MP4A	Mx	-.001	3
43	MP4B	X	3.754	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	0	3
45	MP4B	Mx	.000938	3
46	MP4C	X	3.754	3
47	MP4C	Z	0	3
48	MP4C	Mx	.000938	3
49	MP3A	X	2.794	3
50	MP3A	Z	0	3
51	MP3A	Mx	-.001	3
52	MP3B	X	3.821	3
53	MP3B	Z	0	3
54	MP3B	Mx	.000955	3
55	MP3C	X	3.821	3
56	MP3C	Z	0	3
57	MP3C	Mx	.000955	3
58	MP3A	X	1.293	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	.001	4.5
61	MP3A	X	1.293	5.5
62	MP3A	Z	0	5.5
63	MP3A	Mx	.001	5.5
64	MP3A	X	1.293	4.5
65	MP3A	Z	0	4.5
66	MP3A	Mx	.001	4.5
67	MP3A	X	1.293	5.5
68	MP3A	Z	0	5.5
69	MP3A	Mx	.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.318	2.38
2	MP2A	Z	1.338	2.38
3	MP2A	Mx	-.001	2.38
4	MP2A	X	2.318	3.63
5	MP2A	Z	1.338	3.63
6	MP2A	Mx	-.001	3.63
7	MP2B	X	4.56	2.38
8	MP2B	Z	2.632	2.38
9	MP2B	Mx	0	2.38
10	MP2B	X	4.56	3.63
11	MP2B	Z	2.632	3.63
12	MP2B	Mx	0	3.63
13	MP2C	X	2.318	2.38
14	MP2C	Z	1.338	2.38
15	MP2C	Mx	.001	2.38
16	MP2C	X	2.318	3.63
17	MP2C	Z	1.338	3.63
18	MP2C	Mx	.001	3.63
19	MP3A	X	12.117	.5
20	MP3A	Z	6.996	.5
21	MP3A	Mx	-.006	.5
22	MP3A	X	12.117	5.5
23	MP3A	Z	6.996	5.5
24	MP3A	Mx	-.006	5.5
25	MP3B	X	19.855	.5
26	MP3B	Z	11.463	.5
27	MP3B	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP3B	X	19.855	5.5
29	MP3B	Z	11.463	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	12.117	.5
32	MP3C	Z	6.996	.5
33	MP3C	Mx	.006	.5
34	MP3C	X	12.117	5.5
35	MP3C	Z	6.996	5.5
36	MP3C	Mx	.006	5.5
37	OVP	X	6.932	1.5
38	OVP	Z	4.002	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	2.542	3
41	MP4A	Z	1.467	3
42	MP4A	Mx	-.001	3
43	MP4B	X	3.606	3
44	MP4B	Z	2.082	3
45	MP4B	Mx	0	3
46	MP4C	X	2.542	3
47	MP4C	Z	1.467	3
48	MP4C	Mx	.001	3
49	MP3A	X	2.716	3
50	MP3A	Z	1.568	3
51	MP3A	Mx	-.001	3
52	MP3B	X	3.606	3
53	MP3B	Z	2.082	3
54	MP3B	Mx	0	3
55	MP3C	X	2.716	3
56	MP3C	Z	1.568	3
57	MP3C	Mx	.001	3
58	MP3A	X	1.119	4.5
59	MP3A	Z	.646	4.5
60	MP3A	Mx	.001	4.5
61	MP3A	X	1.119	5.5
62	MP3A	Z	.646	5.5
63	MP3A	Mx	.001	5.5
64	MP3A	X	1.119	4.5
65	MP3A	Z	.646	4.5
66	MP3A	Mx	.000904	4.5
67	MP3A	X	1.119	5.5
68	MP3A	Z	.646	5.5
69	MP3A	Mx	.000904	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.201	2.38
2	MP2A	Z	3.812	2.38
3	MP2A	Mx	-.001	2.38
4	MP2A	X	2.201	3.63
5	MP2A	Z	3.812	3.63
6	MP2A	Mx	-.001	3.63
7	MP2B	X	2.201	2.38
8	MP2B	Z	3.812	2.38
9	MP2B	Mx	-.001	2.38
10	MP2B	X	2.201	3.63
11	MP2B	Z	3.812	3.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	-.001	3.63
13	MP2C	X	.907	2.38
14	MP2C	Z	1.57	2.38
15	MP2C	Mx	.000907	2.38
16	MP2C	X	.907	3.63
17	MP2C	Z	1.57	3.63
18	MP2C	Mx	.000907	3.63
19	MP3A	X	9.974	.5
20	MP3A	Z	17.276	.5
21	MP3A	Mx	-.005	.5
22	MP3A	X	9.974	5.5
23	MP3A	Z	17.276	5.5
24	MP3A	Mx	-.005	5.5
25	MP3B	X	9.974	.5
26	MP3B	Z	17.276	.5
27	MP3B	Mx	-.005	.5
28	MP3B	X	9.974	5.5
29	MP3B	Z	17.276	5.5
30	MP3B	Mx	-.005	5.5
31	MP3C	X	5.507	.5
32	MP3C	Z	9.538	.5
33	MP3C	Mx	.006	.5
34	MP3C	X	5.507	5.5
35	MP3C	Z	9.538	5.5
36	MP3C	Mx	.006	5.5
37	OVP	X	4.258	1.5
38	OVP	Z	7.374	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	1.877	3
41	MP4A	Z	3.251	3
42	MP4A	Mx	-.000938	3
43	MP4B	X	1.877	3
44	MP4B	Z	3.251	3
45	MP4B	Mx	-.000938	3
46	MP4C	X	1.263	3
47	MP4C	Z	2.187	3
48	MP4C	Mx	.001	3
49	MP3A	X	1.911	3
50	MP3A	Z	3.309	3
51	MP3A	Mx	-.000956	3
52	MP3B	X	1.911	3
53	MP3B	Z	3.309	3
54	MP3B	Mx	-.000955	3
55	MP3C	X	1.397	3
56	MP3C	Z	2.419	3
57	MP3C	Mx	.001	3
58	MP3A	X	.645	4.5
59	MP3A	Z	1.117	4.5
60	MP3A	Mx	.001	4.5
61	MP3A	X	.645	5.5
62	MP3A	Z	1.117	5.5
63	MP3A	Mx	.001	5.5
64	MP3A	X	.645	4.5
65	MP3A	Z	1.117	4.5
66	MP3A	Mx	.000273	4.5
67	MP3A	X	.645	5.5
68	MP3A	Z	1.117	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	.000273	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.38
2	MP2A	Z	5.265	2.38
3	MP2A	Mx	0	2.38
4	MP2A	X	0	3.63
5	MP2A	Z	5.265	3.63
6	MP2A	Mx	0	3.63
7	MP2B	X	0	2.38
8	MP2B	Z	2.676	2.38
9	MP2B	Mx	-.001	2.38
10	MP2B	X	0	3.63
11	MP2B	Z	2.676	3.63
12	MP2B	Mx	-.001	3.63
13	MP2C	X	0	2.38
14	MP2C	Z	2.676	2.38
15	MP2C	Mx	.001	2.38
16	MP2C	X	0	3.63
17	MP2C	Z	2.676	3.63
18	MP2C	Mx	.001	3.63
19	MP3A	X	0	.5
20	MP3A	Z	22.927	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	22.927	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	13.992	.5
27	MP3B	Mx	-.006	.5
28	MP3B	X	0	5.5
29	MP3B	Z	13.992	5.5
30	MP3B	Mx	-.006	5.5
31	MP3C	X	0	.5
32	MP3C	Z	13.992	.5
33	MP3C	Mx	.006	.5
34	MP3C	X	0	5.5
35	MP3C	Z	13.992	5.5
36	MP3C	Mx	.006	5.5
37	OVP	X	0	1.5
38	OVP	Z	8.005	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	0	3
41	MP4A	Z	4.164	3
42	MP4A	Mx	0	3
43	MP4B	X	0	3
44	MP4B	Z	2.935	3
45	MP4B	Mx	-.001	3
46	MP4C	X	0	3
47	MP4C	Z	2.935	3
48	MP4C	Mx	.001	3
49	MP3A	X	0	3
50	MP3A	Z	4.164	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3B	Z	3.136	3
54	MP3B	Mx	-.001	3
55	MP3C	X	0	3
56	MP3C	Z	3.136	3
57	MP3C	Mx	.001	3
58	MP3A	X	0	4.5
59	MP3A	Z	1.289	4.5
60	MP3A	Mx	.00043	4.5
61	MP3A	X	0	5.5
62	MP3A	Z	1.289	5.5
63	MP3A	Mx	.00043	5.5
64	MP3A	X	0	4.5
65	MP3A	Z	1.289	4.5
66	MP3A	Mx	-.00043	4.5
67	MP3A	X	0	5.5
68	MP3A	Z	1.289	5.5
69	MP3A	Mx	-.00043	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.201	2.38
2	MP2A	Z	3.812	2.38
3	MP2A	Mx	.001	2.38
4	MP2A	X	-2.201	3.63
5	MP2A	Z	3.812	3.63
6	MP2A	Mx	.001	3.63
7	MP2B	X	-.907	2.38
8	MP2B	Z	1.57	2.38
9	MP2B	Mx	-.000907	2.38
10	MP2B	X	-.907	3.63
11	MP2B	Z	1.57	3.63
12	MP2B	Mx	-.000907	3.63
13	MP2C	X	-2.201	2.38
14	MP2C	Z	3.812	2.38
15	MP2C	Mx	.001	2.38
16	MP2C	X	-2.201	3.63
17	MP2C	Z	3.812	3.63
18	MP2C	Mx	.001	3.63
19	MP3A	X	-9.974	.5
20	MP3A	Z	17.276	.5
21	MP3A	Mx	.005	.5
22	MP3A	X	-9.974	5.5
23	MP3A	Z	17.276	5.5
24	MP3A	Mx	.005	5.5
25	MP3B	X	-5.507	.5
26	MP3B	Z	9.538	.5
27	MP3B	Mx	-.006	.5
28	MP3B	X	-5.507	5.5
29	MP3B	Z	9.538	5.5
30	MP3B	Mx	-.006	5.5
31	MP3C	X	-9.974	.5
32	MP3C	Z	17.276	.5
33	MP3C	Mx	.005	.5
34	MP3C	X	-9.974	5.5
35	MP3C	Z	17.276	5.5
36	MP3C	Mx	.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	OVP	X	-3.492	1.5
38	OVP	Z	6.048	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-1.877	3
41	MP4A	Z	3.251	3
42	MP4A	Mx	.000938	3
43	MP4B	X	-1.263	3
44	MP4B	Z	2.187	3
45	MP4B	Mx	-.001	3
46	MP4C	X	-1.877	3
47	MP4C	Z	3.251	3
48	MP4C	Mx	.000938	3
49	MP3A	X	-1.911	3
50	MP3A	Z	3.309	3
51	MP3A	Mx	.000956	3
52	MP3B	X	-1.397	3
53	MP3B	Z	2.419	3
54	MP3B	Mx	-.001	3
55	MP3C	X	-1.911	3
56	MP3C	Z	3.309	3
57	MP3C	Mx	.000955	3
58	MP3A	X	-.645	4.5
59	MP3A	Z	1.117	4.5
60	MP3A	Mx	-.000273	4.5
61	MP3A	X	-.645	5.5
62	MP3A	Z	1.117	5.5
63	MP3A	Mx	-.000273	5.5
64	MP3A	X	-.645	4.5
65	MP3A	Z	1.117	4.5
66	MP3A	Mx	-.001	4.5
67	MP3A	X	-.645	5.5
68	MP3A	Z	1.117	5.5
69	MP3A	Mx	-.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.318	2.38
2	MP2A	Z	1.338	2.38
3	MP2A	Mx	.001	2.38
4	MP2A	X	-2.318	3.63
5	MP2A	Z	1.338	3.63
6	MP2A	Mx	.001	3.63
7	MP2B	X	-2.318	2.38
8	MP2B	Z	1.338	2.38
9	MP2B	Mx	-.001	2.38
10	MP2B	X	-2.318	3.63
11	MP2B	Z	1.338	3.63
12	MP2B	Mx	-.001	3.63
13	MP2C	X	-4.56	2.38
14	MP2C	Z	2.632	2.38
15	MP2C	Mx	0	2.38
16	MP2C	X	-4.56	3.63
17	MP2C	Z	2.632	3.63
18	MP2C	Mx	0	3.63
19	MP3A	X	-12.117	.5
20	MP3A	Z	6.996	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mx	.006	.5
22	MP3A	X	-12.117	5.5
23	MP3A	Z	6.996	5.5
24	MP3A	Mx	.006	5.5
25	MP3B	X	-12.117	.5
26	MP3B	Z	6.996	.5
27	MP3B	Mx	-.006	.5
28	MP3B	X	-12.117	5.5
29	MP3B	Z	6.996	5.5
30	MP3B	Mx	-.006	5.5
31	MP3C	X	-19.855	.5
32	MP3C	Z	11.463	.5
33	MP3C	Mx	0	.5
34	MP3C	X	-19.855	5.5
35	MP3C	Z	11.463	5.5
36	MP3C	Mx	0	5.5
37	OVP	X	-5.606	1.5
38	OVP	Z	3.237	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-2.542	3
41	MP4A	Z	1.467	3
42	MP4A	Mx	.001	3
43	MP4B	X	-2.542	3
44	MP4B	Z	1.467	3
45	MP4B	Mx	-.001	3
46	MP4C	X	-3.606	3
47	MP4C	Z	2.082	3
48	MP4C	Mx	0	3
49	MP3A	X	-2.716	3
50	MP3A	Z	1.568	3
51	MP3A	Mx	.001	3
52	MP3B	X	-2.716	3
53	MP3B	Z	1.568	3
54	MP3B	Mx	-.001	3
55	MP3C	X	-3.606	3
56	MP3C	Z	2.082	3
57	MP3C	Mx	0	3
58	MP3A	X	-1.119	4.5
59	MP3A	Z	.646	4.5
60	MP3A	Mx	-.000904	4.5
61	MP3A	X	-1.119	5.5
62	MP3A	Z	.646	5.5
63	MP3A	Mx	-.000904	5.5
64	MP3A	X	-1.119	4.5
65	MP3A	Z	.646	4.5
66	MP3A	Mx	-.001	4.5
67	MP3A	X	-1.119	5.5
68	MP3A	Z	.646	5.5
69	MP3A	Mx	-.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.813	2.38
2	MP2A	Z	0	2.38
3	MP2A	Mx	.000906	2.38
4	MP2A	X	-1.813	3.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	0	3.63
6	MP2A	Mx	.000906	3.63
7	MP2B	X	-4.402	2.38
8	MP2B	Z	0	2.38
9	MP2B	Mx	-.001	2.38
10	MP2B	X	-4.402	3.63
11	MP2B	Z	0	3.63
12	MP2B	Mx	-.001	3.63
13	MP2C	X	-4.402	2.38
14	MP2C	Z	0	2.38
15	MP2C	Mx	-.001	2.38
16	MP2C	X	-4.402	3.63
17	MP2C	Z	0	3.63
18	MP2C	Mx	-.001	3.63
19	MP3A	X	-11.013	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.006	.5
22	MP3A	X	-11.013	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.006	5.5
25	MP3B	X	-19.948	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.005	.5
28	MP3B	X	-19.948	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.005	5.5
31	MP3C	X	-19.948	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.005	.5
34	MP3C	X	-19.948	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.005	5.5
37	OVP	X	-6.984	1.5
38	OVP	Z	0	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-2.525	3
41	MP4A	Z	0	3
42	MP4A	Mx	.001	3
43	MP4B	X	-3.754	3
44	MP4B	Z	0	3
45	MP4B	Mx	-.000938	3
46	MP4C	X	-3.754	3
47	MP4C	Z	0	3
48	MP4C	Mx	-.000938	3
49	MP3A	X	-2.794	3
50	MP3A	Z	0	3
51	MP3A	Mx	.001	3
52	MP3B	X	-3.821	3
53	MP3B	Z	0	3
54	MP3B	Mx	-.000955	3
55	MP3C	X	-3.821	3
56	MP3C	Z	0	3
57	MP3C	Mx	-.000955	3
58	MP3A	X	-1.293	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	-.001	4.5
61	MP3A	X	-1.293	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3A	Z	0	5.5
63	MP3A	Mx	-.001	5.5
64	MP3A	X	-1.293	4.5
65	MP3A	Z	0	4.5
66	MP3A	Mx	-.001	4.5
67	MP3A	X	-1.293	5.5
68	MP3A	Z	0	5.5
69	MP3A	Mx	-.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.318	2.38
2	MP2A	Z	-1.338	2.38
3	MP2A	Mx	.001	2.38
4	MP2A	X	-2.318	3.63
5	MP2A	Z	-1.338	3.63
6	MP2A	Mx	.001	3.63
7	MP2B	X	-4.56	2.38
8	MP2B	Z	-2.632	2.38
9	MP2B	Mx	0	2.38
10	MP2B	X	-4.56	3.63
11	MP2B	Z	-2.632	3.63
12	MP2B	Mx	0	3.63
13	MP2C	X	-2.318	2.38
14	MP2C	Z	-1.338	2.38
15	MP2C	Mx	-.001	2.38
16	MP2C	X	-2.318	3.63
17	MP2C	Z	-1.338	3.63
18	MP2C	Mx	-.001	3.63
19	MP3A	X	-12.117	.5
20	MP3A	Z	-6.996	.5
21	MP3A	Mx	.006	.5
22	MP3A	X	-12.117	5.5
23	MP3A	Z	-6.996	5.5
24	MP3A	Mx	.006	5.5
25	MP3B	X	-19.855	.5
26	MP3B	Z	-11.463	.5
27	MP3B	Mx	0	.5
28	MP3B	X	-19.855	5.5
29	MP3B	Z	-11.463	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	-12.117	.5
32	MP3C	Z	-6.996	.5
33	MP3C	Mx	-.006	.5
34	MP3C	X	-12.117	5.5
35	MP3C	Z	-6.996	5.5
36	MP3C	Mx	-.006	5.5
37	OVP	X	-6.932	1.5
38	OVP	Z	-4.002	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-2.542	3
41	MP4A	Z	-1.467	3
42	MP4A	Mx	.001	3
43	MP4B	X	-3.606	3
44	MP4B	Z	-2.082	3
45	MP4B	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4C	X	-2.542	3
47	MP4C	Z	-1.467	3
48	MP4C	Mx	-.001	3
49	MP3A	X	-2.716	3
50	MP3A	Z	-1.568	3
51	MP3A	Mx	.001	3
52	MP3B	X	-3.606	3
53	MP3B	Z	-2.082	3
54	MP3B	Mx	0	3
55	MP3C	X	-2.716	3
56	MP3C	Z	-1.568	3
57	MP3C	Mx	-.001	3
58	MP3A	X	-1.119	4.5
59	MP3A	Z	-.646	4.5
60	MP3A	Mx	-.001	4.5
61	MP3A	X	-1.119	5.5
62	MP3A	Z	-.646	5.5
63	MP3A	Mx	-.001	5.5
64	MP3A	X	-1.119	4.5
65	MP3A	Z	-.646	4.5
66	MP3A	Mx	-.000904	4.5
67	MP3A	X	-1.119	5.5
68	MP3A	Z	-.646	5.5
69	MP3A	Mx	-.000904	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.201	2.38
2	MP2A	Z	-3.812	2.38
3	MP2A	Mx	.001	2.38
4	MP2A	X	-2.201	3.63
5	MP2A	Z	-3.812	3.63
6	MP2A	Mx	.001	3.63
7	MP2B	X	-2.201	2.38
8	MP2B	Z	-3.812	2.38
9	MP2B	Mx	.001	2.38
10	MP2B	X	-2.201	3.63
11	MP2B	Z	-3.812	3.63
12	MP2B	Mx	.001	3.63
13	MP2C	X	-.907	2.38
14	MP2C	Z	-1.57	2.38
15	MP2C	Mx	-.000907	2.38
16	MP2C	X	-.907	3.63
17	MP2C	Z	-1.57	3.63
18	MP2C	Mx	-.000907	3.63
19	MP3A	X	-9.974	.5
20	MP3A	Z	-17.276	.5
21	MP3A	Mx	.005	.5
22	MP3A	X	-9.974	5.5
23	MP3A	Z	-17.276	5.5
24	MP3A	Mx	.005	5.5
25	MP3B	X	-9.974	.5
26	MP3B	Z	-17.276	.5
27	MP3B	Mx	.005	.5
28	MP3B	X	-9.974	5.5
29	MP3B	Z	-17.276	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3B	Mx	.005	5.5
31	MP3C	X	-5.507	.5
32	MP3C	Z	-9.538	.5
33	MP3C	Mx	-.006	.5
34	MP3C	X	-5.507	5.5
35	MP3C	Z	-9.538	5.5
36	MP3C	Mx	-.006	5.5
37	OVP	X	-4.258	1.5
38	OVP	Z	-7.374	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-1.877	3
41	MP4A	Z	-3.251	3
42	MP4A	Mx	.000938	3
43	MP4B	X	-1.877	3
44	MP4B	Z	-3.251	3
45	MP4B	Mx	.000938	3
46	MP4C	X	-1.263	3
47	MP4C	Z	-2.187	3
48	MP4C	Mx	-.001	3
49	MP3A	X	-1.911	3
50	MP3A	Z	-3.309	3
51	MP3A	Mx	.000956	3
52	MP3B	X	-1.911	3
53	MP3B	Z	-3.309	3
54	MP3B	Mx	.000955	3
55	MP3C	X	-1.397	3
56	MP3C	Z	-2.419	3
57	MP3C	Mx	-.001	3
58	MP3A	X	-.645	4.5
59	MP3A	Z	-1.117	4.5
60	MP3A	Mx	-.001	4.5
61	MP3A	X	-.645	5.5
62	MP3A	Z	-1.117	5.5
63	MP3A	Mx	-.001	5.5
64	MP3A	X	-.645	4.5
65	MP3A	Z	-1.117	4.5
66	MP3A	Mx	-.000273	4.5
67	MP3A	X	-.645	5.5
68	MP3A	Z	-1.117	5.5
69	MP3A	Mx	-.000273	5.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%92

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%76

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 80 : Lv2) (Continued)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-1.886	2.38
2	MP2A	My	-.000943	2.38
3	MP2A	Mz	0	2.38
4	MP2A	Y	-1.886	3.63
5	MP2A	My	-.000943	3.63
6	MP2A	Mz	0	3.63
7	MP2B	Y	-1.886	2.38
8	MP2B	My	.000472	2.38
9	MP2B	Mz	-.000817	2.38
10	MP2B	Y	-1.886	3.63
11	MP2B	My	.000472	3.63
12	MP2B	Mz	-.000817	3.63
13	MP2C	Y	-1.886	2.38
14	MP2C	My	.000472	2.38
15	MP2C	Mz	.000817	2.38
16	MP2C	Y	-1.886	3.63
17	MP2C	My	.000472	3.63
18	MP2C	Mz	.000817	3.63
19	MP3A	Y	-2.211	.5
20	MP3A	My	-.001	.5
21	MP3A	Mz	0	.5
22	MP3A	Y	-2.211	5.5
23	MP3A	My	-.001	5.5
24	MP3A	Mz	0	5.5
25	MP3B	Y	-2.211	.5
26	MP3B	My	.000553	.5
27	MP3B	Mz	-.000957	.5
28	MP3B	Y	-2.211	5.5
29	MP3B	My	.000553	5.5
30	MP3B	Mz	-.000957	5.5
31	MP3C	Y	-2.211	.5
32	MP3C	My	.000553	.5
33	MP3C	Mz	.000957	.5
34	MP3C	Y	-2.211	5.5
35	MP3C	My	.000553	5.5
36	MP3C	Mz	.000957	5.5
37	OVP	Y	-1.386	1.5
38	OVP	My	0	1.5
39	OVP	Mz	0	1.5
40	MP4A	Y	-3.044	3
41	MP4A	My	-.002	3
42	MP4A	Mz	0	3
43	MP4B	Y	-3.044	3
44	MP4B	My	.000761	3
45	MP4B	Mz	-.001	3
46	MP4C	Y	-3.044	3
47	MP4C	My	.000761	3
48	MP4C	Mz	.001	3
49	MP3A	Y	-3.235	3
50	MP3A	My	-.002	3
51	MP3A	Mz	0	3
52	MP3B	Y	-3.235	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3B	My	.000809	3
54	MP3B	Mz	-.001	3
55	MP3C	Y	-3.235	3
56	MP3C	My	.000809	3
57	MP3C	Mz	.001	3
58	MP3A	Y	-.381	4.5
59	MP3A	My	.000381	4.5
60	MP3A	Mz	.000127	4.5
61	MP3A	Y	-.381	5.5
62	MP3A	My	.000381	5.5
63	MP3A	Mz	.000127	5.5
64	MP3A	Y	-.381	4.5
65	MP3A	My	.000381	4.5
66	MP3A	Mz	-.000127	4.5
67	MP3A	Y	-.381	5.5
68	MP3A	My	.000381	5.5
69	MP3A	Mz	-.000127	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-4.715	2.38
2	MP2A	Mx	0	2.38
3	MP2A	Z	-4.715	3.63
4	MP2A	Mx	0	3.63
5	MP2B	Z	-4.715	2.38
6	MP2B	Mx	.002	2.38
7	MP2B	Z	-4.715	3.63
8	MP2B	Mx	.002	3.63
9	MP2C	Z	-4.715	2.38
10	MP2C	Mx	-.002	2.38
11	MP2C	Z	-4.715	3.63
12	MP2C	Mx	-.002	3.63
13	MP3A	Z	-5.527	.5
14	MP3A	Mx	0	.5
15	MP3A	Z	-5.527	5.5
16	MP3A	Mx	0	5.5
17	MP3B	Z	-5.527	.5
18	MP3B	Mx	.002	.5
19	MP3B	Z	-5.527	5.5
20	MP3B	Mx	.002	5.5
21	MP3C	Z	-5.527	.5
22	MP3C	Mx	-.002	.5
23	MP3C	Z	-5.527	5.5
24	MP3C	Mx	-.002	5.5
25	OVP	Z	-3.465	1.5
26	OVP	Mx	0	1.5
27	MP4A	Z	-7.611	3
28	MP4A	Mx	0	3
29	MP4B	Z	-7.611	3
30	MP4B	Mx	.003	3
31	MP4C	Z	-7.611	3
32	MP4C	Mx	-.003	3
33	MP3A	Z	-8.088	3
34	MP3A	Mx	0	3
35	MP3B	Z	-8.088	3
36	MP3B	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3C	Z	-8.088	3
38	MP3C	Mx	-.004	3
39	MP3A	Z	-.953	4.5
40	MP3A	Mx	-.000318	4.5
41	MP3A	Z	-.953	5.5
42	MP3A	Mx	-.000318	5.5
43	MP3A	Z	-.953	4.5
44	MP3A	Mx	.000318	4.5
45	MP3A	Z	-.953	5.5
46	MP3A	Mx	.000318	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.715	2.38
2	MP2A	Mx	-.002	2.38
3	MP2A	X	4.715	3.63
4	MP2A	Mx	-.002	3.63
5	MP2B	X	4.715	2.38
6	MP2B	Mx	.001	2.38
7	MP2B	X	4.715	3.63
8	MP2B	Mx	.001	3.63
9	MP2C	X	4.715	2.38
10	MP2C	Mx	.001	2.38
11	MP2C	X	4.715	3.63
12	MP2C	Mx	.001	3.63
13	MP3A	X	5.527	.5
14	MP3A	Mx	-.003	.5
15	MP3A	X	5.527	5.5
16	MP3A	Mx	-.003	5.5
17	MP3B	X	5.527	.5
18	MP3B	Mx	.001	.5
19	MP3B	X	5.527	5.5
20	MP3B	Mx	.001	5.5
21	MP3C	X	5.527	.5
22	MP3C	Mx	.001	.5
23	MP3C	X	5.527	5.5
24	MP3C	Mx	.001	5.5
25	OVP	X	3.465	1.5
26	OVP	Mx	0	1.5
27	MP4A	X	7.611	3
28	MP4A	Mx	-.004	3
29	MP4B	X	7.611	3
30	MP4B	Mx	.002	3
31	MP4C	X	7.611	3
32	MP4C	Mx	.002	3
33	MP3A	X	8.088	3
34	MP3A	Mx	-.004	3
35	MP3B	X	8.088	3
36	MP3B	Mx	.002	3
37	MP3C	X	8.088	3
38	MP3C	Mx	.002	3
39	MP3A	X	.953	4.5
40	MP3A	Mx	.000953	4.5
41	MP3A	X	.953	5.5
42	MP3A	Mx	.000953	5.5
43	MP3A	X	.953	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3A	Mx	.000953	4.5
45	MP3A	X	.953	5.5
46	MP3A	Mx	.000953	5.5

Joint Loads and Enforced Displacements

Joint Label	L,D,M	Direction	Magnitude[(lb,k-ft), (in,rad), (lb*s^2/...
No Data to Print ...			

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	Y	-9.672	-9.672	0	%100
2	M111	Y	-9.672	-9.672	0	%100
3	M21	Y	-5.66	-5.66	0	%100
4	M22	Y	-5.66	-5.66	0	%100
5	M33	Y	-5.66	-5.66	0	%100
6	M34	Y	-5.66	-5.66	0	%100
7	M45	Y	-5.66	-5.66	0	%100
8	M46	Y	-5.66	-5.66	0	%100
9	MP1A	Y	-5.016	-5.016	0	%100
10	MP2A	Y	-5.016	-5.016	0	%100
11	MP3A	Y	-5.016	-5.016	0	%100
12	MP4A	Y	-5.016	-5.016	0	%100
13	M1	Y	-6.612	-6.612	0	%100
14	M19	Y	-9.672	-9.672	0	%100
15	M31	Y	-9.672	-9.672	0	%100
16	M43	Y	-9.672	-9.672	0	%100
17	M3	Y	-10.175	-10.175	0	%100
18	M4	Y	-10.175	-10.175	0	%100
19	M5	Y	-10.175	-10.175	0	%100
20	M9	Y	-10.175	-10.175	0	%100
21	M10	Y	-10.175	-10.175	0	%100
22	M11	Y	-10.175	-10.175	0	%100
23	M15	Y	-10.175	-10.175	0	%100
24	M16	Y	-10.175	-10.175	0	%100
25	M17	Y	-10.175	-10.175	0	%100
26	M80	Y	-6.612	-6.612	0	%100
27	M81A	Y	-6.612	-6.612	0	%100
28	M60	Y	-10.175	-10.175	0	%100
29	M61	Y	-10.175	-10.175	0	%100
30	M64	Y	-10.175	-10.175	0	%100
31	M65	Y	-10.175	-10.175	0	%100
32	M68	Y	-10.175	-10.175	0	%100
33	M69	Y	-10.175	-10.175	0	%100
34	M66A	Y	-9.672	-9.672	0	%100
35	M67A	Y	-9.672	-9.672	0	%100
36	M68A	Y	-9.672	-9.672	0	%100
37	M69A	Y	-9.672	-9.672	0	%100
38	MP1C	Y	-5.016	-5.016	0	%100
39	MP3C	Y	-5.016	-5.016	0	%100
40	MP4C	Y	-5.016	-5.016	0	%100
41	MP1B	Y	-5.016	-5.016	0	%100
42	MP3B	Y	-5.016	-5.016	0	%100
43	MP4B	Y	-5.016	-5.016	0	%100
44	OVP	Y	-5.016	-5.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M76	Y	-5.726	-5.726	0	%100
46	M94	Y	-7.666	-7.666	0	%100
47	MP2C	Y	-5.016	-5.016	0	%100
48	M91A	Y	-5.726	-5.726	0	%100
49	MP2B	Y	-5.016	-5.016	0	%100
50	M95A	Y	-5.726	-5.726	0	%100
51	M94B	Y	-7.666	-7.666	0	%100
52	M95	Y	-7.666	-7.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	-3.304	-3.304	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	-3.304	-3.304	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	-3.705	-3.705	0	%100
7	M22	X	0	0	0	%100
8	M22	Z	-3.705	-3.705	0	%100
9	M33	X	0	0	0	%100
10	M33	Z	-14.325	-14.325	0	%100
11	M34	X	0	0	0	%100
12	M34	Z	-3.459	-3.459	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	-3.459	-3.459	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-14.325	-14.325	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	-10.208	-10.208	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-10.208	-10.208	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	-10.208	-10.208	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-10.208	-10.208	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	-14.354	-14.354	0	%100
27	M19	X	0	0	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	-11.642	-11.642	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	-11.642	-11.642	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	-25.788	-25.788	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	-6.447	-6.447	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	-6.447	-6.447	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	-6.447	-6.447	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	-25.788	-25.788	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	-6.447	-6.447	0	%100
45	M15	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M15	Z	-6.447	-6.447	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	-6.447	-6.447	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	-25.788	-25.788	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	-3.589	-3.589	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	-3.589	-3.589	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	-25.788	-25.788	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	-25.788	-25.788	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	-6.447	-6.447	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	-6.447	-6.447	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	-6.447	-6.447	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-6.447	-6.447	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	-3.304	-3.304	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	-13.216	-13.216	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	-13.216	-13.216	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	-3.304	-3.304	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-10.208	-10.208	0	%100
77	MP3C	X	0	0	0	%100
78	MP3C	Z	-10.208	-10.208	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	-10.208	-10.208	0	%100
81	MP1B	X	0	0	0	%100
82	MP1B	Z	-10.208	-10.208	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	-10.208	-10.208	0	%100
85	MP4B	X	0	0	0	%100
86	MP4B	Z	-10.208	-10.208	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	-9.302	-9.302	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	-12.357	-12.357	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	-16.28	-16.28	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-10.208	-10.208	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	-3.089	-3.089	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-10.208	-10.208	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	-3.089	-3.089	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	-4.07	-4.07	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M95	X	0	0	0	%100
104	M95	Z	-4.07	-4.07	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	4.956	4.956	0	%100
2	M32	Z	-8.584	-8.584	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	.000705	.000705	0	%100
6	M21	Z	-.001	-.001	0	%100
7	M22	X	5.434	5.434	0	%100
8	M22	Z	-9.411	-9.411	0	%100
9	M33	X	5.434	5.434	0	%100
10	M33	Z	-9.411	-9.411	0	%100
11	M34	X	.000705	.000705	0	%100
12	M34	Z	-.001	-.001	0	%100
13	M45	X	5.311	5.311	0	%100
14	M45	Z	-9.198	-9.198	0	%100
15	M46	X	5.311	5.311	0	%100
16	M46	Z	-9.198	-9.198	0	%100
17	MP1A	X	5.104	5.104	0	%100
18	MP1A	Z	-8.84	-8.84	0	%100
19	MP2A	X	5.104	5.104	0	%100
20	MP2A	Z	-8.84	-8.84	0	%100
21	MP3A	X	5.104	5.104	0	%100
22	MP3A	Z	-8.84	-8.84	0	%100
23	MP4A	X	5.104	5.104	0	%100
24	MP4A	Z	-8.84	-8.84	0	%100
25	M1	X	5.383	5.383	0	%100
26	M1	Z	-9.323	-9.323	0	%100
27	M19	X	1.94	1.94	0	%100
28	M19	Z	-3.361	-3.361	0	%100
29	M31	X	1.94	1.94	0	%100
30	M31	Z	-3.361	-3.361	0	%100
31	M43	X	7.761	7.761	0	%100
32	M43	Z	-13.443	-13.443	0	%100
33	M3	X	9.67	9.67	0	%100
34	M3	Z	-16.75	-16.75	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	9.67	9.67	0	%100
38	M5	Z	-16.75	-16.75	0	%100
39	M9	X	9.67	9.67	0	%100
40	M9	Z	-16.75	-16.75	0	%100
41	M10	X	9.67	9.67	0	%100
42	M10	Z	-16.75	-16.75	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	9.67	9.67	0	%100
48	M16	Z	-16.75	-16.75	0	%100
49	M17	X	9.67	9.67	0	%100
50	M17	Z	-16.75	-16.75	0	%100
51	M80	X	5.383	5.383	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M80	Z	-9.323	-9.323	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	9.67	9.67	0	%100
56	M60	Z	-16.75	-16.75	0	%100
57	M61	X	9.67	9.67	0	%100
58	M61	Z	-16.75	-16.75	0	%100
59	M64	X	9.67	9.67	0	%100
60	M64	Z	-16.75	-16.75	0	%100
61	M65	X	9.67	9.67	0	%100
62	M65	Z	-16.75	-16.75	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	4.956	4.956	0	%100
70	M67A	Z	-8.584	-8.584	0	%100
71	M68A	X	4.956	4.956	0	%100
72	M68A	Z	-8.584	-8.584	0	%100
73	M69A	X	4.956	4.956	0	%100
74	M69A	Z	-8.584	-8.584	0	%100
75	MP1C	X	5.104	5.104	0	%100
76	MP1C	Z	-8.84	-8.84	0	%100
77	MP3C	X	5.104	5.104	0	%100
78	MP3C	Z	-8.84	-8.84	0	%100
79	MP4C	X	5.104	5.104	0	%100
80	MP4C	Z	-8.84	-8.84	0	%100
81	MP1B	X	5.104	5.104	0	%100
82	MP1B	Z	-8.84	-8.84	0	%100
83	MP3B	X	5.104	5.104	0	%100
84	MP3B	Z	-8.84	-8.84	0	%100
85	MP4B	X	5.104	5.104	0	%100
86	MP4B	Z	-8.84	-8.84	0	%100
87	OVP	X	4.651	4.651	0	%100
88	OVP	Z	-8.056	-8.056	0	%100
89	M76	X	4.634	4.634	0	%100
90	M76	Z	-8.026	-8.026	0	%100
91	M94	X	6.105	6.105	0	%100
92	M94	Z	-10.574	-10.574	0	%100
93	MP2C	X	5.104	5.104	0	%100
94	MP2C	Z	-8.84	-8.84	0	%100
95	M91A	X	4.634	4.634	0	%100
96	M91A	Z	-8.026	-8.026	0	%100
97	MP2B	X	5.104	5.104	0	%100
98	MP2B	Z	-8.84	-8.84	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	6.105	6.105	0	%100
102	M94B	Z	-10.574	-10.574	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	0	0	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	11.446	11.446	0	%100
2	M32	Z	-6.608	-6.608	0	%100
3	M111	X	2.861	2.861	0	%100
4	M111	Z	-1.652	-1.652	0	%100
5	M21	X	2.996	2.996	0	%100
6	M21	Z	-1.73	-1.73	0	%100
7	M22	X	12.406	12.406	0	%100
8	M22	Z	-7.163	-7.163	0	%100
9	M33	X	3.209	3.209	0	%100
10	M33	Z	-1.853	-1.853	0	%100
11	M34	X	3.209	3.209	0	%100
12	M34	Z	-1.853	-1.853	0	%100
13	M45	X	12.406	12.406	0	%100
14	M45	Z	-7.163	-7.163	0	%100
15	M46	X	2.996	2.996	0	%100
16	M46	Z	-1.73	-1.73	0	%100
17	MP1A	X	8.84	8.84	0	%100
18	MP1A	Z	-5.104	-5.104	0	%100
19	MP2A	X	8.84	8.84	0	%100
20	MP2A	Z	-5.104	-5.104	0	%100
21	MP3A	X	8.84	8.84	0	%100
22	MP3A	Z	-5.104	-5.104	0	%100
23	MP4A	X	8.84	8.84	0	%100
24	MP4A	Z	-5.104	-5.104	0	%100
25	M1	X	3.108	3.108	0	%100
26	M1	Z	-1.794	-1.794	0	%100
27	M19	X	10.082	10.082	0	%100
28	M19	Z	-5.821	-5.821	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	10.082	10.082	0	%100
32	M43	Z	-5.821	-5.821	0	%100
33	M3	X	5.583	5.583	0	%100
34	M3	Z	-3.223	-3.223	0	%100
35	M4	X	5.583	5.583	0	%100
36	M4	Z	-3.223	-3.223	0	%100
37	M5	X	22.333	22.333	0	%100
38	M5	Z	-12.894	-12.894	0	%100
39	M9	X	22.333	22.333	0	%100
40	M9	Z	-12.894	-12.894	0	%100
41	M10	X	5.583	5.583	0	%100
42	M10	Z	-3.223	-3.223	0	%100
43	M11	X	5.583	5.583	0	%100
44	M11	Z	-3.223	-3.223	0	%100
45	M15	X	5.583	5.583	0	%100
46	M15	Z	-3.223	-3.223	0	%100
47	M16	X	22.333	22.333	0	%100
48	M16	Z	-12.894	-12.894	0	%100
49	M17	X	5.583	5.583	0	%100
50	M17	Z	-3.223	-3.223	0	%100
51	M80	X	12.431	12.431	0	%100
52	M80	Z	-7.177	-7.177	0	%100
53	M81A	X	3.108	3.108	0	%100
54	M81A	Z	-1.794	-1.794	0	%100
55	M60	X	5.583	5.583	0	%100
56	M60	Z	-3.223	-3.223	0	%100
57	M61	X	5.583	5.583	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M61	Z	-3.223	-3.223	0	%100
59	M64	X	22.333	22.333	0	%100
60	M64	Z	-12.894	-12.894	0	%100
61	M65	X	22.333	22.333	0	%100
62	M65	Z	-12.894	-12.894	0	%100
63	M68	X	5.583	5.583	0	%100
64	M68	Z	-3.223	-3.223	0	%100
65	M69	X	5.583	5.583	0	%100
66	M69	Z	-3.223	-3.223	0	%100
67	M66A	X	2.861	2.861	0	%100
68	M66A	Z	-1.652	-1.652	0	%100
69	M67A	X	2.861	2.861	0	%100
70	M67A	Z	-1.652	-1.652	0	%100
71	M68A	X	2.861	2.861	0	%100
72	M68A	Z	-1.652	-1.652	0	%100
73	M69A	X	11.446	11.446	0	%100
74	M69A	Z	-6.608	-6.608	0	%100
75	MP1C	X	8.84	8.84	0	%100
76	MP1C	Z	-5.104	-5.104	0	%100
77	MP3C	X	8.84	8.84	0	%100
78	MP3C	Z	-5.104	-5.104	0	%100
79	MP4C	X	8.84	8.84	0	%100
80	MP4C	Z	-5.104	-5.104	0	%100
81	MP1B	X	8.84	8.84	0	%100
82	MP1B	Z	-5.104	-5.104	0	%100
83	MP3B	X	8.84	8.84	0	%100
84	MP3B	Z	-5.104	-5.104	0	%100
85	MP4B	X	8.84	8.84	0	%100
86	MP4B	Z	-5.104	-5.104	0	%100
87	OVP	X	8.056	8.056	0	%100
88	OVP	Z	-4.651	-4.651	0	%100
89	M76	X	2.675	2.675	0	%100
90	M76	Z	-1.545	-1.545	0	%100
91	M94	X	3.525	3.525	0	%100
92	M94	Z	-2.035	-2.035	0	%100
93	MP2C	X	8.84	8.84	0	%100
94	MP2C	Z	-5.104	-5.104	0	%100
95	M91A	X	10.701	10.701	0	%100
96	M91A	Z	-6.178	-6.178	0	%100
97	MP2B	X	8.84	8.84	0	%100
98	MP2B	Z	-5.104	-5.104	0	%100
99	M95A	X	2.675	2.675	0	%100
100	M95A	Z	-1.545	-1.545	0	%100
101	M94B	X	14.099	14.099	0	%100
102	M94B	Z	-8.14	-8.14	0	%100
103	M95	X	3.525	3.525	0	%100
104	M95	Z	-2.035	-2.035	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	9.912	9.912	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	9.912	9.912	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	10.621	10.621	0	%100
6	M21	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M22	X	10.621	10.621	0	%100
8	M22	Z	0	0	0	%100
9	M33	X	.001	.001	0	%100
10	M33	Z	0	0	0	%100
11	M34	X	10.867	10.867	0	%100
12	M34	Z	0	0	0	%100
13	M45	X	10.867	10.867	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	.001	.001	0	%100
16	M46	Z	0	0	0	%100
17	MP1A	X	10.208	10.208	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	10.208	10.208	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	10.208	10.208	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	10.208	10.208	0	%100
24	MP4A	Z	0	0	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	0	0	0	%100
27	M19	X	15.523	15.523	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	3.881	3.881	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	3.881	3.881	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	0	0	0	%100
35	M4	X	19.341	19.341	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	19.341	19.341	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	19.341	19.341	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	0	0	0	%100
43	M11	X	19.341	19.341	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	19.341	19.341	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	19.341	19.341	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	0	0	0	%100
51	M80	X	10.766	10.766	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	10.766	10.766	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	0	0	0	%100
59	M64	X	19.341	19.341	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	19.341	19.341	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	19.341	19.341	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M68	Z	0	0	0	%100
65	M69	X	19.341	19.341	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	9.912	9.912	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	0	0	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	0	0	0	%100
73	M69A	X	9.912	9.912	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	10.208	10.208	0	%100
76	MP1C	Z	0	0	0	%100
77	MP3C	X	10.208	10.208	0	%100
78	MP3C	Z	0	0	0	%100
79	MP4C	X	10.208	10.208	0	%100
80	MP4C	Z	0	0	0	%100
81	MP1B	X	10.208	10.208	0	%100
82	MP1B	Z	0	0	0	%100
83	MP3B	X	10.208	10.208	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4B	X	10.208	10.208	0	%100
86	MP4B	Z	0	0	0	%100
87	OVP	X	9.302	9.302	0	%100
88	OVP	Z	0	0	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	0	0	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	0	0	0	%100
93	MP2C	X	10.208	10.208	0	%100
94	MP2C	Z	0	0	0	%100
95	M91A	X	9.267	9.267	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	10.208	10.208	0	%100
98	MP2B	Z	0	0	0	%100
99	M95A	X	9.267	9.267	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	12.21	12.21	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	12.21	12.21	0	%100
104	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	2.861	2.861	0	%100
2	M32	Z	1.652	1.652	0	%100
3	M111	X	11.446	11.446	0	%100
4	M111	Z	6.608	6.608	0	%100
5	M21	X	12.406	12.406	0	%100
6	M21	Z	7.163	7.163	0	%100
7	M22	X	2.996	2.996	0	%100
8	M22	Z	1.73	1.73	0	%100
9	M33	X	2.996	2.996	0	%100
10	M33	Z	1.73	1.73	0	%100
11	M34	X	12.406	12.406	0	%100
12	M34	Z	7.163	7.163	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M45	X	3.209	3.209	0	%100
14	M45	Z	1.853	1.853	0	%100
15	M46	X	3.209	3.209	0	%100
16	M46	Z	1.853	1.853	0	%100
17	MP1A	X	8.84	8.84	0	%100
18	MP1A	Z	5.104	5.104	0	%100
19	MP2A	X	8.84	8.84	0	%100
20	MP2A	Z	5.104	5.104	0	%100
21	MP3A	X	8.84	8.84	0	%100
22	MP3A	Z	5.104	5.104	0	%100
23	MP4A	X	8.84	8.84	0	%100
24	MP4A	Z	5.104	5.104	0	%100
25	M1	X	3.108	3.108	0	%100
26	M1	Z	1.794	1.794	0	%100
27	M19	X	10.082	10.082	0	%100
28	M19	Z	5.821	5.821	0	%100
29	M31	X	10.082	10.082	0	%100
30	M31	Z	5.821	5.821	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	5.583	5.583	0	%100
34	M3	Z	3.223	3.223	0	%100
35	M4	X	22.333	22.333	0	%100
36	M4	Z	12.894	12.894	0	%100
37	M5	X	5.583	5.583	0	%100
38	M5	Z	3.223	3.223	0	%100
39	M9	X	5.583	5.583	0	%100
40	M9	Z	3.223	3.223	0	%100
41	M10	X	5.583	5.583	0	%100
42	M10	Z	3.223	3.223	0	%100
43	M11	X	22.333	22.333	0	%100
44	M11	Z	12.894	12.894	0	%100
45	M15	X	22.333	22.333	0	%100
46	M15	Z	12.894	12.894	0	%100
47	M16	X	5.583	5.583	0	%100
48	M16	Z	3.223	3.223	0	%100
49	M17	X	5.583	5.583	0	%100
50	M17	Z	3.223	3.223	0	%100
51	M80	X	3.108	3.108	0	%100
52	M80	Z	1.794	1.794	0	%100
53	M81A	X	12.431	12.431	0	%100
54	M81A	Z	7.177	7.177	0	%100
55	M60	X	5.583	5.583	0	%100
56	M60	Z	3.223	3.223	0	%100
57	M61	X	5.583	5.583	0	%100
58	M61	Z	3.223	3.223	0	%100
59	M64	X	5.583	5.583	0	%100
60	M64	Z	3.223	3.223	0	%100
61	M65	X	5.583	5.583	0	%100
62	M65	Z	3.223	3.223	0	%100
63	M68	X	22.333	22.333	0	%100
64	M68	Z	12.894	12.894	0	%100
65	M69	X	22.333	22.333	0	%100
66	M69	Z	12.894	12.894	0	%100
67	M66A	X	11.446	11.446	0	%100
68	M66A	Z	6.608	6.608	0	%100
69	M67A	X	2.861	2.861	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M67A	Z	1.652	1.652	0	%100
71	M68A	X	2.861	2.861	0	%100
72	M68A	Z	1.652	1.652	0	%100
73	M69A	X	2.861	2.861	0	%100
74	M69A	Z	1.652	1.652	0	%100
75	MP1C	X	8.84	8.84	0	%100
76	MP1C	Z	5.104	5.104	0	%100
77	MP3C	X	8.84	8.84	0	%100
78	MP3C	Z	5.104	5.104	0	%100
79	MP4C	X	8.84	8.84	0	%100
80	MP4C	Z	5.104	5.104	0	%100
81	MP1B	X	8.84	8.84	0	%100
82	MP1B	Z	5.104	5.104	0	%100
83	MP3B	X	8.84	8.84	0	%100
84	MP3B	Z	5.104	5.104	0	%100
85	MP4B	X	8.84	8.84	0	%100
86	MP4B	Z	5.104	5.104	0	%100
87	OVP	X	8.056	8.056	0	%100
88	OVP	Z	4.651	4.651	0	%100
89	M76	X	2.675	2.675	0	%100
90	M76	Z	1.545	1.545	0	%100
91	M94	X	3.525	3.525	0	%100
92	M94	Z	2.035	2.035	0	%100
93	MP2C	X	8.84	8.84	0	%100
94	MP2C	Z	5.104	5.104	0	%100
95	M91A	X	2.675	2.675	0	%100
96	M91A	Z	1.545	1.545	0	%100
97	MP2B	X	8.84	8.84	0	%100
98	MP2B	Z	5.104	5.104	0	%100
99	M95A	X	10.701	10.701	0	%100
100	M95A	Z	6.178	6.178	0	%100
101	M94B	X	3.525	3.525	0	%100
102	M94B	Z	2.035	2.035	0	%100
103	M95	X	14.099	14.099	0	%100
104	M95	Z	8.14	8.14	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	4.956	4.956	0	%100
4	M111	Z	8.584	8.584	0	%100
5	M21	X	5.434	5.434	0	%100
6	M21	Z	9.411	9.411	0	%100
7	M22	X	.000705	.000705	0	%100
8	M22	Z	.001	.001	0	%100
9	M33	X	5.311	5.311	0	%100
10	M33	Z	9.198	9.198	0	%100
11	M34	X	5.311	5.311	0	%100
12	M34	Z	9.198	9.198	0	%100
13	M45	X	.000705	.000705	0	%100
14	M45	Z	.001	.001	0	%100
15	M46	X	5.434	5.434	0	%100
16	M46	Z	9.411	9.411	0	%100
17	MP1A	X	5.104	5.104	0	%100
18	MP1A	Z	8.84	8.84	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP2A	X	5.104	5.104	0	%100
20	MP2A	Z	8.84	8.84	0	%100
21	MP3A	X	5.104	5.104	0	%100
22	MP3A	Z	8.84	8.84	0	%100
23	MP4A	X	5.104	5.104	0	%100
24	MP4A	Z	8.84	8.84	0	%100
25	M1	X	5.383	5.383	0	%100
26	M1	Z	9.323	9.323	0	%100
27	M19	X	1.94	1.94	0	%100
28	M19	Z	3.361	3.361	0	%100
29	M31	X	7.761	7.761	0	%100
30	M31	Z	13.443	13.443	0	%100
31	M43	X	1.94	1.94	0	%100
32	M43	Z	3.361	3.361	0	%100
33	M3	X	9.67	9.67	0	%100
34	M3	Z	16.75	16.75	0	%100
35	M4	X	9.67	9.67	0	%100
36	M4	Z	16.75	16.75	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	9.67	9.67	0	%100
42	M10	Z	16.75	16.75	0	%100
43	M11	X	9.67	9.67	0	%100
44	M11	Z	16.75	16.75	0	%100
45	M15	X	9.67	9.67	0	%100
46	M15	Z	16.75	16.75	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	9.67	9.67	0	%100
50	M17	Z	16.75	16.75	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	5.383	5.383	0	%100
54	M81A	Z	9.323	9.323	0	%100
55	M60	X	9.67	9.67	0	%100
56	M60	Z	16.75	16.75	0	%100
57	M61	X	9.67	9.67	0	%100
58	M61	Z	16.75	16.75	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	9.67	9.67	0	%100
64	M68	Z	16.75	16.75	0	%100
65	M69	X	9.67	9.67	0	%100
66	M69	Z	16.75	16.75	0	%100
67	M66A	X	4.956	4.956	0	%100
68	M66A	Z	8.584	8.584	0	%100
69	M67A	X	4.956	4.956	0	%100
70	M67A	Z	8.584	8.584	0	%100
71	M68A	X	4.956	4.956	0	%100
72	M68A	Z	8.584	8.584	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	5.104	5.104	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	MP1C	Z	8.84	8.84	0	%100
77	MP3C	X	5.104	5.104	0	%100
78	MP3C	Z	8.84	8.84	0	%100
79	MP4C	X	5.104	5.104	0	%100
80	MP4C	Z	8.84	8.84	0	%100
81	MP1B	X	5.104	5.104	0	%100
82	MP1B	Z	8.84	8.84	0	%100
83	MP3B	X	5.104	5.104	0	%100
84	MP3B	Z	8.84	8.84	0	%100
85	MP4B	X	5.104	5.104	0	%100
86	MP4B	Z	8.84	8.84	0	%100
87	OVP	X	4.651	4.651	0	%100
88	OVP	Z	8.056	8.056	0	%100
89	M76	X	4.634	4.634	0	%100
90	M76	Z	8.026	8.026	0	%100
91	M94	X	6.105	6.105	0	%100
92	M94	Z	10.574	10.574	0	%100
93	MP2C	X	5.104	5.104	0	%100
94	MP2C	Z	8.84	8.84	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	5.104	5.104	0	%100
98	MP2B	Z	8.84	8.84	0	%100
99	M95A	X	4.634	4.634	0	%100
100	M95A	Z	8.026	8.026	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	6.105	6.105	0	%100
104	M95	Z	10.574	10.574	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	3.304	3.304	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	3.304	3.304	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	3.705	3.705	0	%100
7	M22	X	0	0	0	%100
8	M22	Z	3.705	3.705	0	%100
9	M33	X	0	0	0	%100
10	M33	Z	14.325	14.325	0	%100
11	M34	X	0	0	0	%100
12	M34	Z	3.459	3.459	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	3.459	3.459	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	14.325	14.325	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	10.208	10.208	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	10.208	10.208	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	10.208	10.208	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	10.208	10.208	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M1	X	0	0	0	%100
26	M1	Z	14.354	14.354	0	%100
27	M19	X	0	0	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	11.642	11.642	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	11.642	11.642	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	25.788	25.788	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	6.447	6.447	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	6.447	6.447	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	6.447	6.447	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	25.788	25.788	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	6.447	6.447	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	6.447	6.447	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	6.447	6.447	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	25.788	25.788	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	3.589	3.589	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	3.589	3.589	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	25.788	25.788	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	25.788	25.788	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	6.447	6.447	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	6.447	6.447	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	6.447	6.447	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	6.447	6.447	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	3.304	3.304	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	13.216	13.216	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	13.216	13.216	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	3.304	3.304	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	10.208	10.208	0	%100
77	MP3C	X	0	0	0	%100
78	MP3C	Z	10.208	10.208	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	10.208	10.208	0	%100
81	MP1B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
82	MP1B	Z	10.208	10.208	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	10.208	10.208	0	%100
85	MP4B	X	0	0	0	%100
86	MP4B	Z	10.208	10.208	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	9.302	9.302	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	12.357	12.357	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	16.28	16.28	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	10.208	10.208	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	3.089	3.089	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	10.208	10.208	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	3.089	3.089	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	4.07	4.07	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	4.07	4.07	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-4.956	-4.956	0	%100
2	M32	Z	8.584	8.584	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	-.000705	-.000705	0	%100
6	M21	Z	.001	.001	0	%100
7	M22	X	-5.434	-5.434	0	%100
8	M22	Z	9.411	9.411	0	%100
9	M33	X	-5.434	-5.434	0	%100
10	M33	Z	9.411	9.411	0	%100
11	M34	X	-.000705	-.000705	0	%100
12	M34	Z	.001	.001	0	%100
13	M45	X	-5.311	-5.311	0	%100
14	M45	Z	9.198	9.198	0	%100
15	M46	X	-5.311	-5.311	0	%100
16	M46	Z	9.198	9.198	0	%100
17	MP1A	X	-5.104	-5.104	0	%100
18	MP1A	Z	8.84	8.84	0	%100
19	MP2A	X	-5.104	-5.104	0	%100
20	MP2A	Z	8.84	8.84	0	%100
21	MP3A	X	-5.104	-5.104	0	%100
22	MP3A	Z	8.84	8.84	0	%100
23	MP4A	X	-5.104	-5.104	0	%100
24	MP4A	Z	8.84	8.84	0	%100
25	M1	X	-5.383	-5.383	0	%100
26	M1	Z	9.323	9.323	0	%100
27	M19	X	-1.94	-1.94	0	%100
28	M19	Z	3.361	3.361	0	%100
29	M31	X	-1.94	-1.94	0	%100
30	M31	Z	3.361	3.361	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M43	X	-7.761	-7.761	0	%100
32	M43	Z	13.443	13.443	0	%100
33	M3	X	-9.67	-9.67	0	%100
34	M3	Z	16.75	16.75	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	-9.67	-9.67	0	%100
38	M5	Z	16.75	16.75	0	%100
39	M9	X	-9.67	-9.67	0	%100
40	M9	Z	16.75	16.75	0	%100
41	M10	X	-9.67	-9.67	0	%100
42	M10	Z	16.75	16.75	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	-9.67	-9.67	0	%100
48	M16	Z	16.75	16.75	0	%100
49	M17	X	-9.67	-9.67	0	%100
50	M17	Z	16.75	16.75	0	%100
51	M80	X	-5.383	-5.383	0	%100
52	M80	Z	9.323	9.323	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	-9.67	-9.67	0	%100
56	M60	Z	16.75	16.75	0	%100
57	M61	X	-9.67	-9.67	0	%100
58	M61	Z	16.75	16.75	0	%100
59	M64	X	-9.67	-9.67	0	%100
60	M64	Z	16.75	16.75	0	%100
61	M65	X	-9.67	-9.67	0	%100
62	M65	Z	16.75	16.75	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	-4.956	-4.956	0	%100
70	M67A	Z	8.584	8.584	0	%100
71	M68A	X	-4.956	-4.956	0	%100
72	M68A	Z	8.584	8.584	0	%100
73	M69A	X	-4.956	-4.956	0	%100
74	M69A	Z	8.584	8.584	0	%100
75	MP1C	X	-5.104	-5.104	0	%100
76	MP1C	Z	8.84	8.84	0	%100
77	MP3C	X	-5.104	-5.104	0	%100
78	MP3C	Z	8.84	8.84	0	%100
79	MP4C	X	-5.104	-5.104	0	%100
80	MP4C	Z	8.84	8.84	0	%100
81	MP1B	X	-5.104	-5.104	0	%100
82	MP1B	Z	8.84	8.84	0	%100
83	MP3B	X	-5.104	-5.104	0	%100
84	MP3B	Z	8.84	8.84	0	%100
85	MP4B	X	-5.104	-5.104	0	%100
86	MP4B	Z	8.84	8.84	0	%100
87	OVP	X	-4.651	-4.651	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
88	OVP	Z	8.056	8.056	0	%100
89	M76	X	-4.634	-4.634	0	%100
90	M76	Z	8.026	8.026	0	%100
91	M94	X	-6.105	-6.105	0	%100
92	M94	Z	10.574	10.574	0	%100
93	MP2C	X	-5.104	-5.104	0	%100
94	MP2C	Z	8.84	8.84	0	%100
95	M91A	X	-4.634	-4.634	0	%100
96	M91A	Z	8.026	8.026	0	%100
97	MP2B	X	-5.104	-5.104	0	%100
98	MP2B	Z	8.84	8.84	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	-6.105	-6.105	0	%100
102	M94B	Z	10.574	10.574	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-11.446	-11.446	0	%100
2	M32	Z	6.608	6.608	0	%100
3	M111	X	-2.861	-2.861	0	%100
4	M111	Z	1.652	1.652	0	%100
5	M21	X	-2.996	-2.996	0	%100
6	M21	Z	1.73	1.73	0	%100
7	M22	X	-12.406	-12.406	0	%100
8	M22	Z	7.163	7.163	0	%100
9	M33	X	-3.209	-3.209	0	%100
10	M33	Z	1.853	1.853	0	%100
11	M34	X	-3.209	-3.209	0	%100
12	M34	Z	1.853	1.853	0	%100
13	M45	X	-12.406	-12.406	0	%100
14	M45	Z	7.163	7.163	0	%100
15	M46	X	-2.996	-2.996	0	%100
16	M46	Z	1.73	1.73	0	%100
17	MP1A	X	-8.84	-8.84	0	%100
18	MP1A	Z	5.104	5.104	0	%100
19	MP2A	X	-8.84	-8.84	0	%100
20	MP2A	Z	5.104	5.104	0	%100
21	MP3A	X	-8.84	-8.84	0	%100
22	MP3A	Z	5.104	5.104	0	%100
23	MP4A	X	-8.84	-8.84	0	%100
24	MP4A	Z	5.104	5.104	0	%100
25	M1	X	-3.108	-3.108	0	%100
26	M1	Z	1.794	1.794	0	%100
27	M19	X	-10.082	-10.082	0	%100
28	M19	Z	5.821	5.821	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	-10.082	-10.082	0	%100
32	M43	Z	5.821	5.821	0	%100
33	M3	X	-5.583	-5.583	0	%100
34	M3	Z	3.223	3.223	0	%100
35	M4	X	-5.583	-5.583	0	%100
36	M4	Z	3.223	3.223	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M5	X	-22.333	-22.333	0	%100
38	M5	Z	12.894	12.894	0	%100
39	M9	X	-22.333	-22.333	0	%100
40	M9	Z	12.894	12.894	0	%100
41	M10	X	-5.583	-5.583	0	%100
42	M10	Z	3.223	3.223	0	%100
43	M11	X	-5.583	-5.583	0	%100
44	M11	Z	3.223	3.223	0	%100
45	M15	X	-5.583	-5.583	0	%100
46	M15	Z	3.223	3.223	0	%100
47	M16	X	-22.333	-22.333	0	%100
48	M16	Z	12.894	12.894	0	%100
49	M17	X	-5.583	-5.583	0	%100
50	M17	Z	3.223	3.223	0	%100
51	M80	X	-12.431	-12.431	0	%100
52	M80	Z	7.177	7.177	0	%100
53	M81A	X	-3.108	-3.108	0	%100
54	M81A	Z	1.794	1.794	0	%100
55	M60	X	-5.583	-5.583	0	%100
56	M60	Z	3.223	3.223	0	%100
57	M61	X	-5.583	-5.583	0	%100
58	M61	Z	3.223	3.223	0	%100
59	M64	X	-22.333	-22.333	0	%100
60	M64	Z	12.894	12.894	0	%100
61	M65	X	-22.333	-22.333	0	%100
62	M65	Z	12.894	12.894	0	%100
63	M68	X	-5.583	-5.583	0	%100
64	M68	Z	3.223	3.223	0	%100
65	M69	X	-5.583	-5.583	0	%100
66	M69	Z	3.223	3.223	0	%100
67	M66A	X	-2.861	-2.861	0	%100
68	M66A	Z	1.652	1.652	0	%100
69	M67A	X	-2.861	-2.861	0	%100
70	M67A	Z	1.652	1.652	0	%100
71	M68A	X	-2.861	-2.861	0	%100
72	M68A	Z	1.652	1.652	0	%100
73	M69A	X	-11.446	-11.446	0	%100
74	M69A	Z	6.608	6.608	0	%100
75	MP1C	X	-8.84	-8.84	0	%100
76	MP1C	Z	5.104	5.104	0	%100
77	MP3C	X	-8.84	-8.84	0	%100
78	MP3C	Z	5.104	5.104	0	%100
79	MP4C	X	-8.84	-8.84	0	%100
80	MP4C	Z	5.104	5.104	0	%100
81	MP1B	X	-8.84	-8.84	0	%100
82	MP1B	Z	5.104	5.104	0	%100
83	MP3B	X	-8.84	-8.84	0	%100
84	MP3B	Z	5.104	5.104	0	%100
85	MP4B	X	-8.84	-8.84	0	%100
86	MP4B	Z	5.104	5.104	0	%100
87	OVP	X	-8.056	-8.056	0	%100
88	OVP	Z	4.651	4.651	0	%100
89	M76	X	-2.675	-2.675	0	%100
90	M76	Z	1.545	1.545	0	%100
91	M94	X	-3.525	-3.525	0	%100
92	M94	Z	2.035	2.035	0	%100
93	MP2C	X	-8.84	-8.84	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	MP2C	Z	5.104	5.104	0	%100
95	M91A	X	-10.701	-10.701	0	%100
96	M91A	Z	6.178	6.178	0	%100
97	MP2B	X	-8.84	-8.84	0	%100
98	MP2B	Z	5.104	5.104	0	%100
99	M95A	X	-2.675	-2.675	0	%100
100	M95A	Z	1.545	1.545	0	%100
101	M94B	X	-14.099	-14.099	0	%100
102	M94B	Z	8.14	8.14	0	%100
103	M95	X	-3.525	-3.525	0	%100
104	M95	Z	2.035	2.035	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-9.912	-9.912	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	-9.912	-9.912	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	-10.621	-10.621	0	%100
6	M21	Z	0	0	0	%100
7	M22	X	-10.621	-10.621	0	%100
8	M22	Z	0	0	0	%100
9	M33	X	-.001	-.001	0	%100
10	M33	Z	0	0	0	%100
11	M34	X	-10.867	-10.867	0	%100
12	M34	Z	0	0	0	%100
13	M45	X	-10.867	-10.867	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	-.001	-.001	0	%100
16	M46	Z	0	0	0	%100
17	MP1A	X	-10.208	-10.208	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	-10.208	-10.208	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	-10.208	-10.208	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	-10.208	-10.208	0	%100
24	MP4A	Z	0	0	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	0	0	0	%100
27	M19	X	-15.523	-15.523	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	-3.881	-3.881	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	-3.881	-3.881	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	0	0	0	%100
35	M4	X	-19.341	-19.341	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	-19.341	-19.341	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	-19.341	-19.341	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	M11	X	-19.341	-19.341	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	-19.341	-19.341	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	-19.341	-19.341	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	0	0	0	%100
51	M80	X	-10.766	-10.766	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	-10.766	-10.766	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	0	0	0	%100
59	M64	X	-19.341	-19.341	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	-19.341	-19.341	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	-19.341	-19.341	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	-19.341	-19.341	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	-9.912	-9.912	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	0	0	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	0	0	0	%100
73	M69A	X	-9.912	-9.912	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	-10.208	-10.208	0	%100
76	MP1C	Z	0	0	0	%100
77	MP3C	X	-10.208	-10.208	0	%100
78	MP3C	Z	0	0	0	%100
79	MP4C	X	-10.208	-10.208	0	%100
80	MP4C	Z	0	0	0	%100
81	MP1B	X	-10.208	-10.208	0	%100
82	MP1B	Z	0	0	0	%100
83	MP3B	X	-10.208	-10.208	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4B	X	-10.208	-10.208	0	%100
86	MP4B	Z	0	0	0	%100
87	OVP	X	-9.302	-9.302	0	%100
88	OVP	Z	0	0	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	0	0	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	0	0	0	%100
93	MP2C	X	-10.208	-10.208	0	%100
94	MP2C	Z	0	0	0	%100
95	M91A	X	-9.267	-9.267	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	-10.208	-10.208	0	%100
98	MP2B	Z	0	0	0	%100
99	M95A	X	-9.267	-9.267	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
100	M95A	Z	0	0	0	%100
101	M94B	X	-12.21	-12.21	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	-12.21	-12.21	0	%100
104	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-2.861	-2.861	0	%100
2	M32	Z	-1.652	-1.652	0	%100
3	M111	X	-11.446	-11.446	0	%100
4	M111	Z	-6.608	-6.608	0	%100
5	M21	X	-12.406	-12.406	0	%100
6	M21	Z	-7.163	-7.163	0	%100
7	M22	X	-2.996	-2.996	0	%100
8	M22	Z	-1.73	-1.73	0	%100
9	M33	X	-2.996	-2.996	0	%100
10	M33	Z	-1.73	-1.73	0	%100
11	M34	X	-12.406	-12.406	0	%100
12	M34	Z	-7.163	-7.163	0	%100
13	M45	X	-3.209	-3.209	0	%100
14	M45	Z	-1.853	-1.853	0	%100
15	M46	X	-3.209	-3.209	0	%100
16	M46	Z	-1.853	-1.853	0	%100
17	MP1A	X	-8.84	-8.84	0	%100
18	MP1A	Z	-5.104	-5.104	0	%100
19	MP2A	X	-8.84	-8.84	0	%100
20	MP2A	Z	-5.104	-5.104	0	%100
21	MP3A	X	-8.84	-8.84	0	%100
22	MP3A	Z	-5.104	-5.104	0	%100
23	MP4A	X	-8.84	-8.84	0	%100
24	MP4A	Z	-5.104	-5.104	0	%100
25	M1	X	-3.108	-3.108	0	%100
26	M1	Z	-1.794	-1.794	0	%100
27	M19	X	-10.082	-10.082	0	%100
28	M19	Z	-5.821	-5.821	0	%100
29	M31	X	-10.082	-10.082	0	%100
30	M31	Z	-5.821	-5.821	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	-5.583	-5.583	0	%100
34	M3	Z	-3.223	-3.223	0	%100
35	M4	X	-22.333	-22.333	0	%100
36	M4	Z	-12.894	-12.894	0	%100
37	M5	X	-5.583	-5.583	0	%100
38	M5	Z	-3.223	-3.223	0	%100
39	M9	X	-5.583	-5.583	0	%100
40	M9	Z	-3.223	-3.223	0	%100
41	M10	X	-5.583	-5.583	0	%100
42	M10	Z	-3.223	-3.223	0	%100
43	M11	X	-22.333	-22.333	0	%100
44	M11	Z	-12.894	-12.894	0	%100
45	M15	X	-22.333	-22.333	0	%100
46	M15	Z	-12.894	-12.894	0	%100
47	M16	X	-5.583	-5.583	0	%100
48	M16	Z	-3.223	-3.223	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	M17	X	-5.583	-5.583	0	%100
50	M17	Z	-3.223	-3.223	0	%100
51	M80	X	-3.108	-3.108	0	%100
52	M80	Z	-1.794	-1.794	0	%100
53	M81A	X	-12.431	-12.431	0	%100
54	M81A	Z	-7.177	-7.177	0	%100
55	M60	X	-5.583	-5.583	0	%100
56	M60	Z	-3.223	-3.223	0	%100
57	M61	X	-5.583	-5.583	0	%100
58	M61	Z	-3.223	-3.223	0	%100
59	M64	X	-5.583	-5.583	0	%100
60	M64	Z	-3.223	-3.223	0	%100
61	M65	X	-5.583	-5.583	0	%100
62	M65	Z	-3.223	-3.223	0	%100
63	M68	X	-22.333	-22.333	0	%100
64	M68	Z	-12.894	-12.894	0	%100
65	M69	X	-22.333	-22.333	0	%100
66	M69	Z	-12.894	-12.894	0	%100
67	M66A	X	-11.446	-11.446	0	%100
68	M66A	Z	-6.608	-6.608	0	%100
69	M67A	X	-2.861	-2.861	0	%100
70	M67A	Z	-1.652	-1.652	0	%100
71	M68A	X	-2.861	-2.861	0	%100
72	M68A	Z	-1.652	-1.652	0	%100
73	M69A	X	-2.861	-2.861	0	%100
74	M69A	Z	-1.652	-1.652	0	%100
75	MP1C	X	-8.84	-8.84	0	%100
76	MP1C	Z	-5.104	-5.104	0	%100
77	MP3C	X	-8.84	-8.84	0	%100
78	MP3C	Z	-5.104	-5.104	0	%100
79	MP4C	X	-8.84	-8.84	0	%100
80	MP4C	Z	-5.104	-5.104	0	%100
81	MP1B	X	-8.84	-8.84	0	%100
82	MP1B	Z	-5.104	-5.104	0	%100
83	MP3B	X	-8.84	-8.84	0	%100
84	MP3B	Z	-5.104	-5.104	0	%100
85	MP4B	X	-8.84	-8.84	0	%100
86	MP4B	Z	-5.104	-5.104	0	%100
87	OVP	X	-8.056	-8.056	0	%100
88	OVP	Z	-4.651	-4.651	0	%100
89	M76	X	-2.675	-2.675	0	%100
90	M76	Z	-1.545	-1.545	0	%100
91	M94	X	-3.525	-3.525	0	%100
92	M94	Z	-2.035	-2.035	0	%100
93	MP2C	X	-8.84	-8.84	0	%100
94	MP2C	Z	-5.104	-5.104	0	%100
95	M91A	X	-2.675	-2.675	0	%100
96	M91A	Z	-1.545	-1.545	0	%100
97	MP2B	X	-8.84	-8.84	0	%100
98	MP2B	Z	-5.104	-5.104	0	%100
99	M95A	X	-10.701	-10.701	0	%100
100	M95A	Z	-6.178	-6.178	0	%100
101	M94B	X	-3.525	-3.525	0	%100
102	M94B	Z	-2.035	-2.035	0	%100
103	M95	X	-14.099	-14.099	0	%100
104	M95	Z	-8.14	-8.14	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	-4.956	-4.956	0	%100
4	M111	Z	-8.584	-8.584	0	%100
5	M21	X	-5.434	-5.434	0	%100
6	M21	Z	-9.411	-9.411	0	%100
7	M22	X	-.000705	-.000705	0	%100
8	M22	Z	-.001	-.001	0	%100
9	M33	X	-5.311	-5.311	0	%100
10	M33	Z	-9.198	-9.198	0	%100
11	M34	X	-5.311	-5.311	0	%100
12	M34	Z	-9.198	-9.198	0	%100
13	M45	X	-.000705	-.000705	0	%100
14	M45	Z	-.001	-.001	0	%100
15	M46	X	-5.434	-5.434	0	%100
16	M46	Z	-9.411	-9.411	0	%100
17	MP1A	X	-5.104	-5.104	0	%100
18	MP1A	Z	-8.84	-8.84	0	%100
19	MP2A	X	-5.104	-5.104	0	%100
20	MP2A	Z	-8.84	-8.84	0	%100
21	MP3A	X	-5.104	-5.104	0	%100
22	MP3A	Z	-8.84	-8.84	0	%100
23	MP4A	X	-5.104	-5.104	0	%100
24	MP4A	Z	-8.84	-8.84	0	%100
25	M1	X	-5.383	-5.383	0	%100
26	M1	Z	-9.323	-9.323	0	%100
27	M19	X	-1.94	-1.94	0	%100
28	M19	Z	-3.361	-3.361	0	%100
29	M31	X	-7.761	-7.761	0	%100
30	M31	Z	-13.443	-13.443	0	%100
31	M43	X	-1.94	-1.94	0	%100
32	M43	Z	-3.361	-3.361	0	%100
33	M3	X	-9.67	-9.67	0	%100
34	M3	Z	-16.75	-16.75	0	%100
35	M4	X	-9.67	-9.67	0	%100
36	M4	Z	-16.75	-16.75	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	-9.67	-9.67	0	%100
42	M10	Z	-16.75	-16.75	0	%100
43	M11	X	-9.67	-9.67	0	%100
44	M11	Z	-16.75	-16.75	0	%100
45	M15	X	-9.67	-9.67	0	%100
46	M15	Z	-16.75	-16.75	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	-9.67	-9.67	0	%100
50	M17	Z	-16.75	-16.75	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	-5.383	-5.383	0	%100
54	M81A	Z	-9.323	-9.323	0	%100
55	M60	X	-9.67	-9.67	0	%100
56	M60	Z	-16.75	-16.75	0	%100
57	M61	X	-9.67	-9.67	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M61	Z	-16.75	-16.75	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	-9.67	-9.67	0	%100
64	M68	Z	-16.75	-16.75	0	%100
65	M69	X	-9.67	-9.67	0	%100
66	M69	Z	-16.75	-16.75	0	%100
67	M66A	X	-4.956	-4.956	0	%100
68	M66A	Z	-8.584	-8.584	0	%100
69	M67A	X	-4.956	-4.956	0	%100
70	M67A	Z	-8.584	-8.584	0	%100
71	M68A	X	-4.956	-4.956	0	%100
72	M68A	Z	-8.584	-8.584	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	-5.104	-5.104	0	%100
76	MP1C	Z	-8.84	-8.84	0	%100
77	MP3C	X	-5.104	-5.104	0	%100
78	MP3C	Z	-8.84	-8.84	0	%100
79	MP4C	X	-5.104	-5.104	0	%100
80	MP4C	Z	-8.84	-8.84	0	%100
81	MP1B	X	-5.104	-5.104	0	%100
82	MP1B	Z	-8.84	-8.84	0	%100
83	MP3B	X	-5.104	-5.104	0	%100
84	MP3B	Z	-8.84	-8.84	0	%100
85	MP4B	X	-5.104	-5.104	0	%100
86	MP4B	Z	-8.84	-8.84	0	%100
87	OVP	X	-4.651	-4.651	0	%100
88	OVP	Z	-8.056	-8.056	0	%100
89	M76	X	-4.634	-4.634	0	%100
90	M76	Z	-8.026	-8.026	0	%100
91	M94	X	-6.105	-6.105	0	%100
92	M94	Z	-10.574	-10.574	0	%100
93	MP2C	X	-5.104	-5.104	0	%100
94	MP2C	Z	-8.84	-8.84	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	-5.104	-5.104	0	%100
98	MP2B	Z	-8.84	-8.84	0	%100
99	M95A	X	-4.634	-4.634	0	%100
100	M95A	Z	-8.026	-8.026	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	-6.105	-6.105	0	%100
104	M95	Z	-10.574	-10.574	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	-.919	-.919	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	-.919	-.919	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	-1.073	-1.073	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M22	X	0	0	0	%100
8	M22	Z	-1.073	-1.073	0	%100
9	M33	X	0	0	0	%100
10	M33	Z	-4.148	-4.148	0	%100
11	M34	X	0	0	0	%100
12	M34	Z	-1.002	-1.002	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	-1.002	-1.002	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-4.148	-4.148	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	-3.505	-3.505	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-3.505	-3.505	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	-3.505	-3.505	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-3.505	-3.505	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	-4.344	-4.344	0	%100
27	M19	X	0	0	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	-3.321	-3.321	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	-3.321	-3.321	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	-5.488	-5.488	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	-1.396	-1.396	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	-1.372	-1.372	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	-1.372	-1.372	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	-5.584	-5.584	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	-1.372	-1.372	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	-1.372	-1.372	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	-1.396	-1.396	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	-5.488	-5.488	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	-1.086	-1.086	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	-1.086	-1.086	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	-5.488	-5.488	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	-5.488	-5.488	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	-1.372	-1.372	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	-1.372	-1.372	0	%100
63	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M68	Z	-1.372	-1.372	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-1.372	-1.372	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	-.919	-.919	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	-3.676	-3.676	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	-3.676	-3.676	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	-.919	-.919	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-3.505	-3.505	0	%100
77	MP3C	X	0	0	0	%100
78	MP3C	Z	-3.505	-3.505	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	-3.505	-3.505	0	%100
81	MP1B	X	0	0	0	%100
82	MP1B	Z	-3.505	-3.505	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	-3.505	-3.505	0	%100
85	MP4B	X	0	0	0	%100
86	MP4B	Z	-3.505	-3.505	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	-3.209	-3.209	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	-3.878	-3.878	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	-4.19	-4.19	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-3.505	-3.505	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	-.97	-.97	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-3.505	-3.505	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	-.97	-.97	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	-1.048	-1.048	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	-1.048	-1.048	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	1.378	1.378	0	%100
2	M32	Z	-2.388	-2.388	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	.000204	.000204	0	%100
6	M21	Z	-.000354	-.000354	0	%100
7	M22	X	1.573	1.573	0	%100
8	M22	Z	-2.725	-2.725	0	%100
9	M33	X	1.573	1.573	0	%100
10	M33	Z	-2.725	-2.725	0	%100
11	M34	X	.000204	.000204	0	%100
12	M34	Z	-.000354	-.000354	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M45	X	1.538	1.538	0	%100
14	M45	Z	-2.663	-2.663	0	%100
15	M46	X	1.538	1.538	0	%100
16	M46	Z	-2.663	-2.663	0	%100
17	MP1A	X	1.752	1.752	0	%100
18	MP1A	Z	-3.035	-3.035	0	%100
19	MP2A	X	1.752	1.752	0	%100
20	MP2A	Z	-3.035	-3.035	0	%100
21	MP3A	X	1.752	1.752	0	%100
22	MP3A	Z	-3.035	-3.035	0	%100
23	MP4A	X	1.752	1.752	0	%100
24	MP4A	Z	-3.035	-3.035	0	%100
25	M1	X	1.629	1.629	0	%100
26	M1	Z	-2.822	-2.822	0	%100
27	M19	X	.553	.553	0	%100
28	M19	Z	-.959	-.959	0	%100
29	M31	X	.553	.553	0	%100
30	M31	Z	-.959	-.959	0	%100
31	M43	X	2.214	2.214	0	%100
32	M43	Z	-3.835	-3.835	0	%100
33	M3	X	2.058	2.058	0	%100
34	M3	Z	-3.564	-3.564	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	2.058	2.058	0	%100
38	M5	Z	-3.564	-3.564	0	%100
39	M9	X	2.058	2.058	0	%100
40	M9	Z	-3.564	-3.564	0	%100
41	M10	X	2.094	2.094	0	%100
42	M10	Z	-3.627	-3.627	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	2.094	2.094	0	%100
48	M16	Z	-3.627	-3.627	0	%100
49	M17	X	2.058	2.058	0	%100
50	M17	Z	-3.564	-3.564	0	%100
51	M80	X	1.629	1.629	0	%100
52	M80	Z	-2.822	-2.822	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	2.058	2.058	0	%100
56	M60	Z	-3.564	-3.564	0	%100
57	M61	X	2.058	2.058	0	%100
58	M61	Z	-3.564	-3.564	0	%100
59	M64	X	2.058	2.058	0	%100
60	M64	Z	-3.564	-3.564	0	%100
61	M65	X	2.058	2.058	0	%100
62	M65	Z	-3.564	-3.564	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	1.378	1.378	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M67A	Z	-2.388	-2.388	0	%100
71	M68A	X	1.378	1.378	0	%100
72	M68A	Z	-2.388	-2.388	0	%100
73	M69A	X	1.378	1.378	0	%100
74	M69A	Z	-2.388	-2.388	0	%100
75	MP1C	X	1.752	1.752	0	%100
76	MP1C	Z	-3.035	-3.035	0	%100
77	MP3C	X	1.752	1.752	0	%100
78	MP3C	Z	-3.035	-3.035	0	%100
79	MP4C	X	1.752	1.752	0	%100
80	MP4C	Z	-3.035	-3.035	0	%100
81	MP1B	X	1.752	1.752	0	%100
82	MP1B	Z	-3.035	-3.035	0	%100
83	MP3B	X	1.752	1.752	0	%100
84	MP3B	Z	-3.035	-3.035	0	%100
85	MP4B	X	1.752	1.752	0	%100
86	MP4B	Z	-3.035	-3.035	0	%100
87	OVP	X	1.604	1.604	0	%100
88	OVP	Z	-2.779	-2.779	0	%100
89	M76	X	1.454	1.454	0	%100
90	M76	Z	-2.519	-2.519	0	%100
91	M94	X	1.571	1.571	0	%100
92	M94	Z	-2.722	-2.722	0	%100
93	MP2C	X	1.752	1.752	0	%100
94	MP2C	Z	-3.035	-3.035	0	%100
95	M91A	X	1.454	1.454	0	%100
96	M91A	Z	-2.519	-2.519	0	%100
97	MP2B	X	1.752	1.752	0	%100
98	MP2B	Z	-3.035	-3.035	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	1.571	1.571	0	%100
102	M94B	Z	-2.722	-2.722	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	3.183	3.183	0	%100
2	M32	Z	-1.838	-1.838	0	%100
3	M111	X	.796	.796	0	%100
4	M111	Z	-.459	-.459	0	%100
5	M21	X	.867	.867	0	%100
6	M21	Z	-.501	-.501	0	%100
7	M22	X	3.592	3.592	0	%100
8	M22	Z	-2.074	-2.074	0	%100
9	M33	X	.929	.929	0	%100
10	M33	Z	-.536	-.536	0	%100
11	M34	X	.929	.929	0	%100
12	M34	Z	-.536	-.536	0	%100
13	M45	X	3.592	3.592	0	%100
14	M45	Z	-2.074	-2.074	0	%100
15	M46	X	.867	.867	0	%100
16	M46	Z	-.501	-.501	0	%100
17	MP1A	X	3.035	3.035	0	%100
18	MP1A	Z	-1.752	-1.752	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP2A	X	3.035	3.035	0	%100
20	MP2A	Z	-1.752	-1.752	0	%100
21	MP3A	X	3.035	3.035	0	%100
22	MP3A	Z	-1.752	-1.752	0	%100
23	MP4A	X	3.035	3.035	0	%100
24	MP4A	Z	-1.752	-1.752	0	%100
25	M1	X	.941	.941	0	%100
26	M1	Z	-.543	-.543	0	%100
27	M19	X	2.876	2.876	0	%100
28	M19	Z	-1.66	-1.66	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	2.876	2.876	0	%100
32	M43	Z	-1.66	-1.66	0	%100
33	M3	X	1.188	1.188	0	%100
34	M3	Z	-.686	-.686	0	%100
35	M4	X	1.209	1.209	0	%100
36	M4	Z	-.698	-.698	0	%100
37	M5	X	4.753	4.753	0	%100
38	M5	Z	-2.744	-2.744	0	%100
39	M9	X	4.753	4.753	0	%100
40	M9	Z	-2.744	-2.744	0	%100
41	M10	X	1.209	1.209	0	%100
42	M10	Z	-.698	-.698	0	%100
43	M11	X	1.188	1.188	0	%100
44	M11	Z	-.686	-.686	0	%100
45	M15	X	1.188	1.188	0	%100
46	M15	Z	-.686	-.686	0	%100
47	M16	X	4.836	4.836	0	%100
48	M16	Z	-2.792	-2.792	0	%100
49	M17	X	1.188	1.188	0	%100
50	M17	Z	-.686	-.686	0	%100
51	M80	X	3.762	3.762	0	%100
52	M80	Z	-2.172	-2.172	0	%100
53	M81A	X	.941	.941	0	%100
54	M81A	Z	-.543	-.543	0	%100
55	M60	X	1.188	1.188	0	%100
56	M60	Z	-.686	-.686	0	%100
57	M61	X	1.188	1.188	0	%100
58	M61	Z	-.686	-.686	0	%100
59	M64	X	4.753	4.753	0	%100
60	M64	Z	-2.744	-2.744	0	%100
61	M65	X	4.753	4.753	0	%100
62	M65	Z	-2.744	-2.744	0	%100
63	M68	X	1.188	1.188	0	%100
64	M68	Z	-.686	-.686	0	%100
65	M69	X	1.188	1.188	0	%100
66	M69	Z	-.686	-.686	0	%100
67	M66A	X	.796	.796	0	%100
68	M66A	Z	-.459	-.459	0	%100
69	M67A	X	.796	.796	0	%100
70	M67A	Z	-.459	-.459	0	%100
71	M68A	X	.796	.796	0	%100
72	M68A	Z	-.459	-.459	0	%100
73	M69A	X	3.183	3.183	0	%100
74	M69A	Z	-1.838	-1.838	0	%100
75	MP1C	X	3.035	3.035	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	MP1C	Z	-1.752	-1.752	0	%100
77	MP3C	X	3.035	3.035	0	%100
78	MP3C	Z	-1.752	-1.752	0	%100
79	MP4C	X	3.035	3.035	0	%100
80	MP4C	Z	-1.752	-1.752	0	%100
81	MP1B	X	3.035	3.035	0	%100
82	MP1B	Z	-1.752	-1.752	0	%100
83	MP3B	X	3.035	3.035	0	%100
84	MP3B	Z	-1.752	-1.752	0	%100
85	MP4B	X	3.035	3.035	0	%100
86	MP4B	Z	-1.752	-1.752	0	%100
87	OVP	X	2.779	2.779	0	%100
88	OVP	Z	-1.604	-1.604	0	%100
89	M76	X	.84	.84	0	%100
90	M76	Z	-.485	-.485	0	%100
91	M94	X	.907	.907	0	%100
92	M94	Z	-.524	-.524	0	%100
93	MP2C	X	3.035	3.035	0	%100
94	MP2C	Z	-1.752	-1.752	0	%100
95	M91A	X	3.358	3.358	0	%100
96	M91A	Z	-1.939	-1.939	0	%100
97	MP2B	X	3.035	3.035	0	%100
98	MP2B	Z	-1.752	-1.752	0	%100
99	M95A	X	.84	.84	0	%100
100	M95A	Z	-.485	-.485	0	%100
101	M94B	X	3.629	3.629	0	%100
102	M94B	Z	-2.095	-2.095	0	%100
103	M95	X	.907	.907	0	%100
104	M95	Z	-.524	-.524	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	2.757	2.757	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	2.757	2.757	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	3.075	3.075	0	%100
6	M21	Z	0	0	0	%100
7	M22	X	3.075	3.075	0	%100
8	M22	Z	0	0	0	%100
9	M33	X	.000409	.000409	0	%100
10	M33	Z	0	0	0	%100
11	M34	X	3.146	3.146	0	%100
12	M34	Z	0	0	0	%100
13	M45	X	3.146	3.146	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	.000409	.000409	0	%100
16	M46	Z	0	0	0	%100
17	MP1A	X	3.505	3.505	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	3.505	3.505	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	3.505	3.505	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	3.505	3.505	0	%100
24	MP4A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M1	X	0	0	0	%100
26	M1	Z	0	0	0	%100
27	M19	X	4.428	4.428	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	1.107	1.107	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	1.107	1.107	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	0	0	0	%100
35	M4	X	4.188	4.188	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	4.116	4.116	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	4.116	4.116	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	0	0	0	%100
43	M11	X	4.116	4.116	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	4.116	4.116	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	4.188	4.188	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	0	0	0	%100
51	M80	X	3.258	3.258	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	3.258	3.258	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	0	0	0	%100
59	M64	X	4.116	4.116	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	4.116	4.116	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	4.116	4.116	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	4.116	4.116	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	2.757	2.757	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	0	0	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	0	0	0	%100
73	M69A	X	2.757	2.757	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	3.505	3.505	0	%100
76	MP1C	Z	0	0	0	%100
77	MP3C	X	3.505	3.505	0	%100
78	MP3C	Z	0	0	0	%100
79	MP4C	X	3.505	3.505	0	%100
80	MP4C	Z	0	0	0	%100
81	MP1B	X	3.505	3.505	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
82	MP1B	Z	0	0	0	%100
83	MP3B	X	3.505	3.505	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4B	X	3.505	3.505	0	%100
86	MP4B	Z	0	0	0	%100
87	OVP	X	3.209	3.209	0	%100
88	OVP	Z	0	0	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	0	0	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	0	0	0	%100
93	MP2C	X	3.505	3.505	0	%100
94	MP2C	Z	0	0	0	%100
95	M91A	X	2.909	2.909	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	3.505	3.505	0	%100
98	MP2B	Z	0	0	0	%100
99	M95A	X	2.909	2.909	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	3.143	3.143	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	3.143	3.143	0	%100
104	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	.796	.796	0	%100
2	M32	Z	.459	.459	0	%100
3	M111	X	3.183	3.183	0	%100
4	M111	Z	1.838	1.838	0	%100
5	M21	X	3.592	3.592	0	%100
6	M21	Z	2.074	2.074	0	%100
7	M22	X	.867	.867	0	%100
8	M22	Z	.501	.501	0	%100
9	M33	X	.867	.867	0	%100
10	M33	Z	.501	.501	0	%100
11	M34	X	3.592	3.592	0	%100
12	M34	Z	2.074	2.074	0	%100
13	M45	X	.929	.929	0	%100
14	M45	Z	.536	.536	0	%100
15	M46	X	.929	.929	0	%100
16	M46	Z	.536	.536	0	%100
17	MP1A	X	3.035	3.035	0	%100
18	MP1A	Z	1.752	1.752	0	%100
19	MP2A	X	3.035	3.035	0	%100
20	MP2A	Z	1.752	1.752	0	%100
21	MP3A	X	3.035	3.035	0	%100
22	MP3A	Z	1.752	1.752	0	%100
23	MP4A	X	3.035	3.035	0	%100
24	MP4A	Z	1.752	1.752	0	%100
25	M1	X	.941	.941	0	%100
26	M1	Z	.543	.543	0	%100
27	M19	X	2.876	2.876	0	%100
28	M19	Z	1.66	1.66	0	%100
29	M31	X	2.876	2.876	0	%100
30	M31	Z	1.66	1.66	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	1.188	1.188	0	%100
34	M3	Z	.686	.686	0	%100
35	M4	X	4.836	4.836	0	%100
36	M4	Z	2.792	2.792	0	%100
37	M5	X	1.188	1.188	0	%100
38	M5	Z	.686	.686	0	%100
39	M9	X	1.188	1.188	0	%100
40	M9	Z	.686	.686	0	%100
41	M10	X	1.209	1.209	0	%100
42	M10	Z	.698	.698	0	%100
43	M11	X	4.753	4.753	0	%100
44	M11	Z	2.744	2.744	0	%100
45	M15	X	4.753	4.753	0	%100
46	M15	Z	2.744	2.744	0	%100
47	M16	X	1.209	1.209	0	%100
48	M16	Z	.698	.698	0	%100
49	M17	X	1.188	1.188	0	%100
50	M17	Z	.686	.686	0	%100
51	M80	X	.941	.941	0	%100
52	M80	Z	.543	.543	0	%100
53	M81A	X	3.762	3.762	0	%100
54	M81A	Z	2.172	2.172	0	%100
55	M60	X	1.188	1.188	0	%100
56	M60	Z	.686	.686	0	%100
57	M61	X	1.188	1.188	0	%100
58	M61	Z	.686	.686	0	%100
59	M64	X	1.188	1.188	0	%100
60	M64	Z	.686	.686	0	%100
61	M65	X	1.188	1.188	0	%100
62	M65	Z	.686	.686	0	%100
63	M68	X	4.753	4.753	0	%100
64	M68	Z	2.744	2.744	0	%100
65	M69	X	4.753	4.753	0	%100
66	M69	Z	2.744	2.744	0	%100
67	M66A	X	3.183	3.183	0	%100
68	M66A	Z	1.838	1.838	0	%100
69	M67A	X	.796	.796	0	%100
70	M67A	Z	.459	.459	0	%100
71	M68A	X	.796	.796	0	%100
72	M68A	Z	.459	.459	0	%100
73	M69A	X	.796	.796	0	%100
74	M69A	Z	.459	.459	0	%100
75	MP1C	X	3.035	3.035	0	%100
76	MP1C	Z	1.752	1.752	0	%100
77	MP3C	X	3.035	3.035	0	%100
78	MP3C	Z	1.752	1.752	0	%100
79	MP4C	X	3.035	3.035	0	%100
80	MP4C	Z	1.752	1.752	0	%100
81	MP1B	X	3.035	3.035	0	%100
82	MP1B	Z	1.752	1.752	0	%100
83	MP3B	X	3.035	3.035	0	%100
84	MP3B	Z	1.752	1.752	0	%100
85	MP4B	X	3.035	3.035	0	%100
86	MP4B	Z	1.752	1.752	0	%100
87	OVP	X	2.779	2.779	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
88	OVP	Z	1.604	1.604	0	%100
89	M76	X	.84	.84	0	%100
90	M76	Z	.485	.485	0	%100
91	M94	X	.907	.907	0	%100
92	M94	Z	.524	.524	0	%100
93	MP2C	X	3.035	3.035	0	%100
94	MP2C	Z	1.752	1.752	0	%100
95	M91A	X	.84	.84	0	%100
96	M91A	Z	.485	.485	0	%100
97	MP2B	X	3.035	3.035	0	%100
98	MP2B	Z	1.752	1.752	0	%100
99	M95A	X	3.358	3.358	0	%100
100	M95A	Z	1.939	1.939	0	%100
101	M94B	X	.907	.907	0	%100
102	M94B	Z	.524	.524	0	%100
103	M95	X	3.629	3.629	0	%100
104	M95	Z	2.095	2.095	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	1.378	1.378	0	%100
4	M111	Z	2.388	2.388	0	%100
5	M21	X	1.573	1.573	0	%100
6	M21	Z	2.725	2.725	0	%100
7	M22	X	.000204	.000204	0	%100
8	M22	Z	.000354	.000354	0	%100
9	M33	X	1.538	1.538	0	%100
10	M33	Z	2.663	2.663	0	%100
11	M34	X	1.538	1.538	0	%100
12	M34	Z	2.663	2.663	0	%100
13	M45	X	.000204	.000204	0	%100
14	M45	Z	.000354	.000354	0	%100
15	M46	X	1.573	1.573	0	%100
16	M46	Z	2.725	2.725	0	%100
17	MP1A	X	1.752	1.752	0	%100
18	MP1A	Z	3.035	3.035	0	%100
19	MP2A	X	1.752	1.752	0	%100
20	MP2A	Z	3.035	3.035	0	%100
21	MP3A	X	1.752	1.752	0	%100
22	MP3A	Z	3.035	3.035	0	%100
23	MP4A	X	1.752	1.752	0	%100
24	MP4A	Z	3.035	3.035	0	%100
25	M1	X	1.629	1.629	0	%100
26	M1	Z	2.822	2.822	0	%100
27	M19	X	.553	.553	0	%100
28	M19	Z	.959	.959	0	%100
29	M31	X	2.214	2.214	0	%100
30	M31	Z	3.835	3.835	0	%100
31	M43	X	.553	.553	0	%100
32	M43	Z	.959	.959	0	%100
33	M3	X	2.058	2.058	0	%100
34	M3	Z	3.564	3.564	0	%100
35	M4	X	2.094	2.094	0	%100
36	M4	Z	3.627	3.627	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M5	X	0	0	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	2.094	2.094	0	%100
42	M10	Z	3.627	3.627	0	%100
43	M11	X	2.058	2.058	0	%100
44	M11	Z	3.564	3.564	0	%100
45	M15	X	2.058	2.058	0	%100
46	M15	Z	3.564	3.564	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	2.058	2.058	0	%100
50	M17	Z	3.564	3.564	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	1.629	1.629	0	%100
54	M81A	Z	2.822	2.822	0	%100
55	M60	X	2.058	2.058	0	%100
56	M60	Z	3.564	3.564	0	%100
57	M61	X	2.058	2.058	0	%100
58	M61	Z	3.564	3.564	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	2.058	2.058	0	%100
64	M68	Z	3.564	3.564	0	%100
65	M69	X	2.058	2.058	0	%100
66	M69	Z	3.564	3.564	0	%100
67	M66A	X	1.378	1.378	0	%100
68	M66A	Z	2.388	2.388	0	%100
69	M67A	X	1.378	1.378	0	%100
70	M67A	Z	2.388	2.388	0	%100
71	M68A	X	1.378	1.378	0	%100
72	M68A	Z	2.388	2.388	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	1.752	1.752	0	%100
76	MP1C	Z	3.035	3.035	0	%100
77	MP3C	X	1.752	1.752	0	%100
78	MP3C	Z	3.035	3.035	0	%100
79	MP4C	X	1.752	1.752	0	%100
80	MP4C	Z	3.035	3.035	0	%100
81	MP1B	X	1.752	1.752	0	%100
82	MP1B	Z	3.035	3.035	0	%100
83	MP3B	X	1.752	1.752	0	%100
84	MP3B	Z	3.035	3.035	0	%100
85	MP4B	X	1.752	1.752	0	%100
86	MP4B	Z	3.035	3.035	0	%100
87	OVP	X	1.604	1.604	0	%100
88	OVP	Z	2.779	2.779	0	%100
89	M76	X	1.454	1.454	0	%100
90	M76	Z	2.519	2.519	0	%100
91	M94	X	1.571	1.571	0	%100
92	M94	Z	2.722	2.722	0	%100
93	MP2C	X	1.752	1.752	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	MP2C	Z	3.035	3.035	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	1.752	1.752	0	%100
98	MP2B	Z	3.035	3.035	0	%100
99	M95A	X	1.454	1.454	0	%100
100	M95A	Z	2.519	2.519	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	1.571	1.571	0	%100
104	M95	Z	2.722	2.722	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	.919	.919	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	.919	.919	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	1.073	1.073	0	%100
7	M22	X	0	0	0	%100
8	M22	Z	1.073	1.073	0	%100
9	M33	X	0	0	0	%100
10	M33	Z	4.148	4.148	0	%100
11	M34	X	0	0	0	%100
12	M34	Z	1.002	1.002	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	1.002	1.002	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	4.148	4.148	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	3.505	3.505	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	3.505	3.505	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	3.505	3.505	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	3.505	3.505	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	4.344	4.344	0	%100
27	M19	X	0	0	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	3.321	3.321	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	3.321	3.321	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	5.488	5.488	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	1.396	1.396	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	1.372	1.372	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	1.372	1.372	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	5.584	5.584	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	M11	X	0	0	0	%100
44	M11	Z	1.372	1.372	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	1.372	1.372	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	1.396	1.396	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	5.488	5.488	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	1.086	1.086	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	1.086	1.086	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	5.488	5.488	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	5.488	5.488	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	1.372	1.372	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	1.372	1.372	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	1.372	1.372	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	1.372	1.372	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	.919	.919	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	3.676	3.676	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	3.676	3.676	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	.919	.919	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	3.505	3.505	0	%100
77	MP3C	X	0	0	0	%100
78	MP3C	Z	3.505	3.505	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	3.505	3.505	0	%100
81	MP1B	X	0	0	0	%100
82	MP1B	Z	3.505	3.505	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	3.505	3.505	0	%100
85	MP4B	X	0	0	0	%100
86	MP4B	Z	3.505	3.505	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	3.209	3.209	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	3.878	3.878	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	4.19	4.19	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	3.505	3.505	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	.97	.97	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	3.505	3.505	0	%100
99	M95A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
100	M95A	Z	.97	.97	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	1.048	1.048	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	1.048	1.048	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-1.378	-1.378	0	%100
2	M32	Z	2.388	2.388	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	-.000204	-.000204	0	%100
6	M21	Z	.000354	.000354	0	%100
7	M22	X	-1.573	-1.573	0	%100
8	M22	Z	2.725	2.725	0	%100
9	M33	X	-1.573	-1.573	0	%100
10	M33	Z	2.725	2.725	0	%100
11	M34	X	-.000204	-.000204	0	%100
12	M34	Z	.000354	.000354	0	%100
13	M45	X	-1.538	-1.538	0	%100
14	M45	Z	2.663	2.663	0	%100
15	M46	X	-1.538	-1.538	0	%100
16	M46	Z	2.663	2.663	0	%100
17	MP1A	X	-1.752	-1.752	0	%100
18	MP1A	Z	3.035	3.035	0	%100
19	MP2A	X	-1.752	-1.752	0	%100
20	MP2A	Z	3.035	3.035	0	%100
21	MP3A	X	-1.752	-1.752	0	%100
22	MP3A	Z	3.035	3.035	0	%100
23	MP4A	X	-1.752	-1.752	0	%100
24	MP4A	Z	3.035	3.035	0	%100
25	M1	X	-1.629	-1.629	0	%100
26	M1	Z	2.822	2.822	0	%100
27	M19	X	-.553	-.553	0	%100
28	M19	Z	.959	.959	0	%100
29	M31	X	-.553	-.553	0	%100
30	M31	Z	.959	.959	0	%100
31	M43	X	-2.214	-2.214	0	%100
32	M43	Z	3.835	3.835	0	%100
33	M3	X	-2.058	-2.058	0	%100
34	M3	Z	3.564	3.564	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	-2.058	-2.058	0	%100
38	M5	Z	3.564	3.564	0	%100
39	M9	X	-2.058	-2.058	0	%100
40	M9	Z	3.564	3.564	0	%100
41	M10	X	-2.094	-2.094	0	%100
42	M10	Z	3.627	3.627	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	-2.094	-2.094	0	%100
48	M16	Z	3.627	3.627	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	M17	X	-2.058	-2.058	0	%100
50	M17	Z	3.564	3.564	0	%100
51	M80	X	-1.629	-1.629	0	%100
52	M80	Z	2.822	2.822	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	-2.058	-2.058	0	%100
56	M60	Z	3.564	3.564	0	%100
57	M61	X	-2.058	-2.058	0	%100
58	M61	Z	3.564	3.564	0	%100
59	M64	X	-2.058	-2.058	0	%100
60	M64	Z	3.564	3.564	0	%100
61	M65	X	-2.058	-2.058	0	%100
62	M65	Z	3.564	3.564	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	-1.378	-1.378	0	%100
70	M67A	Z	2.388	2.388	0	%100
71	M68A	X	-1.378	-1.378	0	%100
72	M68A	Z	2.388	2.388	0	%100
73	M69A	X	-1.378	-1.378	0	%100
74	M69A	Z	2.388	2.388	0	%100
75	MP1C	X	-1.752	-1.752	0	%100
76	MP1C	Z	3.035	3.035	0	%100
77	MP3C	X	-1.752	-1.752	0	%100
78	MP3C	Z	3.035	3.035	0	%100
79	MP4C	X	-1.752	-1.752	0	%100
80	MP4C	Z	3.035	3.035	0	%100
81	MP1B	X	-1.752	-1.752	0	%100
82	MP1B	Z	3.035	3.035	0	%100
83	MP3B	X	-1.752	-1.752	0	%100
84	MP3B	Z	3.035	3.035	0	%100
85	MP4B	X	-1.752	-1.752	0	%100
86	MP4B	Z	3.035	3.035	0	%100
87	OVP	X	-1.604	-1.604	0	%100
88	OVP	Z	2.779	2.779	0	%100
89	M76	X	-1.454	-1.454	0	%100
90	M76	Z	2.519	2.519	0	%100
91	M94	X	-1.571	-1.571	0	%100
92	M94	Z	2.722	2.722	0	%100
93	MP2C	X	-1.752	-1.752	0	%100
94	MP2C	Z	3.035	3.035	0	%100
95	M91A	X	-1.454	-1.454	0	%100
96	M91A	Z	2.519	2.519	0	%100
97	MP2B	X	-1.752	-1.752	0	%100
98	MP2B	Z	3.035	3.035	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	-1.571	-1.571	0	%100
102	M94B	Z	2.722	2.722	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-3.183	-3.183	0	%100
2	M32	Z	1.838	1.838	0	%100
3	M111	X	-.796	-.796	0	%100
4	M111	Z	.459	.459	0	%100
5	M21	X	-.867	-.867	0	%100
6	M21	Z	.501	.501	0	%100
7	M22	X	-3.592	-3.592	0	%100
8	M22	Z	2.074	2.074	0	%100
9	M33	X	-.929	-.929	0	%100
10	M33	Z	.536	.536	0	%100
11	M34	X	-.929	-.929	0	%100
12	M34	Z	.536	.536	0	%100
13	M45	X	-3.592	-3.592	0	%100
14	M45	Z	2.074	2.074	0	%100
15	M46	X	-.867	-.867	0	%100
16	M46	Z	.501	.501	0	%100
17	MP1A	X	-3.035	-3.035	0	%100
18	MP1A	Z	1.752	1.752	0	%100
19	MP2A	X	-3.035	-3.035	0	%100
20	MP2A	Z	1.752	1.752	0	%100
21	MP3A	X	-3.035	-3.035	0	%100
22	MP3A	Z	1.752	1.752	0	%100
23	MP4A	X	-3.035	-3.035	0	%100
24	MP4A	Z	1.752	1.752	0	%100
25	M1	X	-.941	-.941	0	%100
26	M1	Z	.543	.543	0	%100
27	M19	X	-2.876	-2.876	0	%100
28	M19	Z	1.66	1.66	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	-2.876	-2.876	0	%100
32	M43	Z	1.66	1.66	0	%100
33	M3	X	-1.188	-1.188	0	%100
34	M3	Z	.686	.686	0	%100
35	M4	X	-1.209	-1.209	0	%100
36	M4	Z	.698	.698	0	%100
37	M5	X	-4.753	-4.753	0	%100
38	M5	Z	2.744	2.744	0	%100
39	M9	X	-4.753	-4.753	0	%100
40	M9	Z	2.744	2.744	0	%100
41	M10	X	-1.209	-1.209	0	%100
42	M10	Z	.698	.698	0	%100
43	M11	X	-1.188	-1.188	0	%100
44	M11	Z	.686	.686	0	%100
45	M15	X	-1.188	-1.188	0	%100
46	M15	Z	.686	.686	0	%100
47	M16	X	-4.836	-4.836	0	%100
48	M16	Z	2.792	2.792	0	%100
49	M17	X	-1.188	-1.188	0	%100
50	M17	Z	.686	.686	0	%100
51	M80	X	-3.762	-3.762	0	%100
52	M80	Z	2.172	2.172	0	%100
53	M81A	X	-.941	-.941	0	%100
54	M81A	Z	.543	.543	0	%100
55	M60	X	-1.188	-1.188	0	%100
56	M60	Z	.686	.686	0	%100
57	M61	X	-1.188	-1.188	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M61	Z	.686	.686	0	%100
59	M64	X	-4.753	-4.753	0	%100
60	M64	Z	2.744	2.744	0	%100
61	M65	X	-4.753	-4.753	0	%100
62	M65	Z	2.744	2.744	0	%100
63	M68	X	-1.188	-1.188	0	%100
64	M68	Z	.686	.686	0	%100
65	M69	X	-1.188	-1.188	0	%100
66	M69	Z	.686	.686	0	%100
67	M66A	X	-.796	-.796	0	%100
68	M66A	Z	.459	.459	0	%100
69	M67A	X	-.796	-.796	0	%100
70	M67A	Z	.459	.459	0	%100
71	M68A	X	-.796	-.796	0	%100
72	M68A	Z	.459	.459	0	%100
73	M69A	X	-3.183	-3.183	0	%100
74	M69A	Z	1.838	1.838	0	%100
75	MP1C	X	-3.035	-3.035	0	%100
76	MP1C	Z	1.752	1.752	0	%100
77	MP3C	X	-3.035	-3.035	0	%100
78	MP3C	Z	1.752	1.752	0	%100
79	MP4C	X	-3.035	-3.035	0	%100
80	MP4C	Z	1.752	1.752	0	%100
81	MP1B	X	-3.035	-3.035	0	%100
82	MP1B	Z	1.752	1.752	0	%100
83	MP3B	X	-3.035	-3.035	0	%100
84	MP3B	Z	1.752	1.752	0	%100
85	MP4B	X	-3.035	-3.035	0	%100
86	MP4B	Z	1.752	1.752	0	%100
87	OVP	X	-2.779	-2.779	0	%100
88	OVP	Z	1.604	1.604	0	%100
89	M76	X	-.84	-.84	0	%100
90	M76	Z	.485	.485	0	%100
91	M94	X	-.907	-.907	0	%100
92	M94	Z	.524	.524	0	%100
93	MP2C	X	-3.035	-3.035	0	%100
94	MP2C	Z	1.752	1.752	0	%100
95	M91A	X	-3.358	-3.358	0	%100
96	M91A	Z	1.939	1.939	0	%100
97	MP2B	X	-3.035	-3.035	0	%100
98	MP2B	Z	1.752	1.752	0	%100
99	M95A	X	-.84	-.84	0	%100
100	M95A	Z	.485	.485	0	%100
101	M94B	X	-3.629	-3.629	0	%100
102	M94B	Z	2.095	2.095	0	%100
103	M95	X	-.907	-.907	0	%100
104	M95	Z	.524	.524	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-2.757	-2.757	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	-2.757	-2.757	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	-3.075	-3.075	0	%100
6	M21	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M22	X	-3.075	-3.075	0	%100
8	M22	Z	0	0	0	%100
9	M33	X	-.000409	-.000409	0	%100
10	M33	Z	0	0	0	%100
11	M34	X	-3.146	-3.146	0	%100
12	M34	Z	0	0	0	%100
13	M45	X	-3.146	-3.146	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	-.000409	-.000409	0	%100
16	M46	Z	0	0	0	%100
17	MP1A	X	-3.505	-3.505	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	-3.505	-3.505	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	-3.505	-3.505	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	-3.505	-3.505	0	%100
24	MP4A	Z	0	0	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	0	0	0	%100
27	M19	X	-4.428	-4.428	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	-1.107	-1.107	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	-1.107	-1.107	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	0	0	0	%100
35	M4	X	-4.188	-4.188	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	-4.116	-4.116	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	-4.116	-4.116	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	0	0	0	%100
43	M11	X	-4.116	-4.116	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	-4.116	-4.116	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	-4.188	-4.188	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	0	0	0	%100
51	M80	X	-3.258	-3.258	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	-3.258	-3.258	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	0	0	0	%100
59	M64	X	-4.116	-4.116	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	-4.116	-4.116	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	-4.116	-4.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M68	Z	0	0	0	%100
65	M69	X	-4.116	-4.116	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	-2.757	-2.757	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	0	0	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	0	0	0	%100
73	M69A	X	-2.757	-2.757	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	-3.505	-3.505	0	%100
76	MP1C	Z	0	0	0	%100
77	MP3C	X	-3.505	-3.505	0	%100
78	MP3C	Z	0	0	0	%100
79	MP4C	X	-3.505	-3.505	0	%100
80	MP4C	Z	0	0	0	%100
81	MP1B	X	-3.505	-3.505	0	%100
82	MP1B	Z	0	0	0	%100
83	MP3B	X	-3.505	-3.505	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4B	X	-3.505	-3.505	0	%100
86	MP4B	Z	0	0	0	%100
87	OVP	X	-3.209	-3.209	0	%100
88	OVP	Z	0	0	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	0	0	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	0	0	0	%100
93	MP2C	X	-3.505	-3.505	0	%100
94	MP2C	Z	0	0	0	%100
95	M91A	X	-2.909	-2.909	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	-3.505	-3.505	0	%100
98	MP2B	Z	0	0	0	%100
99	M95A	X	-2.909	-2.909	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	-3.143	-3.143	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	-3.143	-3.143	0	%100
104	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-.796	-.796	0	%100
2	M32	Z	-.459	-.459	0	%100
3	M111	X	-3.183	-3.183	0	%100
4	M111	Z	-1.838	-1.838	0	%100
5	M21	X	-3.592	-3.592	0	%100
6	M21	Z	-2.074	-2.074	0	%100
7	M22	X	-.867	-.867	0	%100
8	M22	Z	-.501	-.501	0	%100
9	M33	X	-.867	-.867	0	%100
10	M33	Z	-.501	-.501	0	%100
11	M34	X	-3.592	-3.592	0	%100
12	M34	Z	-2.074	-2.074	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M45	X	-.929	-.929	0	%100
14	M45	Z	-.536	-.536	0	%100
15	M46	X	-.929	-.929	0	%100
16	M46	Z	-.536	-.536	0	%100
17	MP1A	X	-3.035	-3.035	0	%100
18	MP1A	Z	-1.752	-1.752	0	%100
19	MP2A	X	-3.035	-3.035	0	%100
20	MP2A	Z	-1.752	-1.752	0	%100
21	MP3A	X	-3.035	-3.035	0	%100
22	MP3A	Z	-1.752	-1.752	0	%100
23	MP4A	X	-3.035	-3.035	0	%100
24	MP4A	Z	-1.752	-1.752	0	%100
25	M1	X	-.941	-.941	0	%100
26	M1	Z	-.543	-.543	0	%100
27	M19	X	-2.876	-2.876	0	%100
28	M19	Z	-1.66	-1.66	0	%100
29	M31	X	-2.876	-2.876	0	%100
30	M31	Z	-1.66	-1.66	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	-1.188	-1.188	0	%100
34	M3	Z	-.686	-.686	0	%100
35	M4	X	-4.836	-4.836	0	%100
36	M4	Z	-2.792	-2.792	0	%100
37	M5	X	-1.188	-1.188	0	%100
38	M5	Z	-.686	-.686	0	%100
39	M9	X	-1.188	-1.188	0	%100
40	M9	Z	-.686	-.686	0	%100
41	M10	X	-1.209	-1.209	0	%100
42	M10	Z	-.698	-.698	0	%100
43	M11	X	-4.753	-4.753	0	%100
44	M11	Z	-2.744	-2.744	0	%100
45	M15	X	-4.753	-4.753	0	%100
46	M15	Z	-2.744	-2.744	0	%100
47	M16	X	-1.209	-1.209	0	%100
48	M16	Z	-.698	-.698	0	%100
49	M17	X	-1.188	-1.188	0	%100
50	M17	Z	-.686	-.686	0	%100
51	M80	X	-.941	-.941	0	%100
52	M80	Z	-.543	-.543	0	%100
53	M81A	X	-3.762	-3.762	0	%100
54	M81A	Z	-2.172	-2.172	0	%100
55	M60	X	-1.188	-1.188	0	%100
56	M60	Z	-.686	-.686	0	%100
57	M61	X	-1.188	-1.188	0	%100
58	M61	Z	-.686	-.686	0	%100
59	M64	X	-1.188	-1.188	0	%100
60	M64	Z	-.686	-.686	0	%100
61	M65	X	-1.188	-1.188	0	%100
62	M65	Z	-.686	-.686	0	%100
63	M68	X	-4.753	-4.753	0	%100
64	M68	Z	-2.744	-2.744	0	%100
65	M69	X	-4.753	-4.753	0	%100
66	M69	Z	-2.744	-2.744	0	%100
67	M66A	X	-3.183	-3.183	0	%100
68	M66A	Z	-1.838	-1.838	0	%100
69	M67A	X	-.796	-.796	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M67A	Z	-.459	-.459	0	%100
71	M68A	X	-.796	-.796	0	%100
72	M68A	Z	-.459	-.459	0	%100
73	M69A	X	-.796	-.796	0	%100
74	M69A	Z	-.459	-.459	0	%100
75	MP1C	X	-3.035	-3.035	0	%100
76	MP1C	Z	-1.752	-1.752	0	%100
77	MP3C	X	-3.035	-3.035	0	%100
78	MP3C	Z	-1.752	-1.752	0	%100
79	MP4C	X	-3.035	-3.035	0	%100
80	MP4C	Z	-1.752	-1.752	0	%100
81	MP1B	X	-3.035	-3.035	0	%100
82	MP1B	Z	-1.752	-1.752	0	%100
83	MP3B	X	-3.035	-3.035	0	%100
84	MP3B	Z	-1.752	-1.752	0	%100
85	MP4B	X	-3.035	-3.035	0	%100
86	MP4B	Z	-1.752	-1.752	0	%100
87	OVP	X	-2.779	-2.779	0	%100
88	OVP	Z	-1.604	-1.604	0	%100
89	M76	X	-.84	-.84	0	%100
90	M76	Z	-.485	-.485	0	%100
91	M94	X	-.907	-.907	0	%100
92	M94	Z	-.524	-.524	0	%100
93	MP2C	X	-3.035	-3.035	0	%100
94	MP2C	Z	-1.752	-1.752	0	%100
95	M91A	X	-.84	-.84	0	%100
96	M91A	Z	-.485	-.485	0	%100
97	MP2B	X	-3.035	-3.035	0	%100
98	MP2B	Z	-1.752	-1.752	0	%100
99	M95A	X	-3.358	-3.358	0	%100
100	M95A	Z	-1.939	-1.939	0	%100
101	M94B	X	-.907	-.907	0	%100
102	M94B	Z	-.524	-.524	0	%100
103	M95	X	-3.629	-3.629	0	%100
104	M95	Z	-2.095	-2.095	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	-1.378	-1.378	0	%100
4	M111	Z	-2.388	-2.388	0	%100
5	M21	X	-1.573	-1.573	0	%100
6	M21	Z	-2.725	-2.725	0	%100
7	M22	X	-.000204	-.000204	0	%100
8	M22	Z	-.000354	-.000354	0	%100
9	M33	X	-1.538	-1.538	0	%100
10	M33	Z	-2.663	-2.663	0	%100
11	M34	X	-1.538	-1.538	0	%100
12	M34	Z	-2.663	-2.663	0	%100
13	M45	X	-.000204	-.000204	0	%100
14	M45	Z	-.000354	-.000354	0	%100
15	M46	X	-1.573	-1.573	0	%100
16	M46	Z	-2.725	-2.725	0	%100
17	MP1A	X	-1.752	-1.752	0	%100
18	MP1A	Z	-3.035	-3.035	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP2A	X	-1.752	-1.752	0	%100
20	MP2A	Z	-3.035	-3.035	0	%100
21	MP3A	X	-1.752	-1.752	0	%100
22	MP3A	Z	-3.035	-3.035	0	%100
23	MP4A	X	-1.752	-1.752	0	%100
24	MP4A	Z	-3.035	-3.035	0	%100
25	M1	X	-1.629	-1.629	0	%100
26	M1	Z	-2.822	-2.822	0	%100
27	M19	X	-.553	-.553	0	%100
28	M19	Z	-.959	-.959	0	%100
29	M31	X	-2.214	-2.214	0	%100
30	M31	Z	-3.835	-3.835	0	%100
31	M43	X	-.553	-.553	0	%100
32	M43	Z	-.959	-.959	0	%100
33	M3	X	-2.058	-2.058	0	%100
34	M3	Z	-3.564	-3.564	0	%100
35	M4	X	-2.094	-2.094	0	%100
36	M4	Z	-3.627	-3.627	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	-2.094	-2.094	0	%100
42	M10	Z	-3.627	-3.627	0	%100
43	M11	X	-2.058	-2.058	0	%100
44	M11	Z	-3.564	-3.564	0	%100
45	M15	X	-2.058	-2.058	0	%100
46	M15	Z	-3.564	-3.564	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	-2.058	-2.058	0	%100
50	M17	Z	-3.564	-3.564	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	-1.629	-1.629	0	%100
54	M81A	Z	-2.822	-2.822	0	%100
55	M60	X	-2.058	-2.058	0	%100
56	M60	Z	-3.564	-3.564	0	%100
57	M61	X	-2.058	-2.058	0	%100
58	M61	Z	-3.564	-3.564	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	-2.058	-2.058	0	%100
64	M68	Z	-3.564	-3.564	0	%100
65	M69	X	-2.058	-2.058	0	%100
66	M69	Z	-3.564	-3.564	0	%100
67	M66A	X	-1.378	-1.378	0	%100
68	M66A	Z	-2.388	-2.388	0	%100
69	M67A	X	-1.378	-1.378	0	%100
70	M67A	Z	-2.388	-2.388	0	%100
71	M68A	X	-1.378	-1.378	0	%100
72	M68A	Z	-2.388	-2.388	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	-1.752	-1.752	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	MP1C	Z	-3.035	-3.035	0	%100
77	MP3C	X	-1.752	-1.752	0	%100
78	MP3C	Z	-3.035	-3.035	0	%100
79	MP4C	X	-1.752	-1.752	0	%100
80	MP4C	Z	-3.035	-3.035	0	%100
81	MP1B	X	-1.752	-1.752	0	%100
82	MP1B	Z	-3.035	-3.035	0	%100
83	MP3B	X	-1.752	-1.752	0	%100
84	MP3B	Z	-3.035	-3.035	0	%100
85	MP4B	X	-1.752	-1.752	0	%100
86	MP4B	Z	-3.035	-3.035	0	%100
87	OVP	X	-1.604	-1.604	0	%100
88	OVP	Z	-2.779	-2.779	0	%100
89	M76	X	-1.454	-1.454	0	%100
90	M76	Z	-2.519	-2.519	0	%100
91	M94	X	-1.571	-1.571	0	%100
92	M94	Z	-2.722	-2.722	0	%100
93	MP2C	X	-1.752	-1.752	0	%100
94	MP2C	Z	-3.035	-3.035	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	-1.752	-1.752	0	%100
98	MP2B	Z	-3.035	-3.035	0	%100
99	M95A	X	-1.454	-1.454	0	%100
100	M95A	Z	-2.519	-2.519	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	-1.571	-1.571	0	%100
104	M95	Z	-2.722	-2.722	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	-.207	-.207	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	-.207	-.207	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	-.232	-.232	0	%100
7	M22	X	0	0	0	%100
8	M22	Z	-.232	-.232	0	%100
9	M33	X	0	0	0	%100
10	M33	Z	-.895	-.895	0	%100
11	M34	X	0	0	0	%100
12	M34	Z	-.216	-.216	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	-.216	-.216	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-.895	-.895	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	-.638	-.638	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-.638	-.638	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	-.638	-.638	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-.638	-.638	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M1	X	0	0	0	%100
26	M1	Z	-.897	-.897	0	%100
27	M19	X	0	0	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	-.728	-.728	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	-.728	-.728	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	-1.612	-1.612	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	-.403	-.403	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	-.403	-.403	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	-.403	-.403	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	-1.612	-1.612	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	-.403	-.403	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	-.403	-.403	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	-.403	-.403	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	-1.612	-1.612	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	-.224	-.224	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	-.224	-.224	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	-1.612	-1.612	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	-1.612	-1.612	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	-.403	-.403	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	-.403	-.403	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	-.403	-.403	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-.403	-.403	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	-.207	-.207	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	-.826	-.826	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	-.826	-.826	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	-.207	-.207	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-.638	-.638	0	%100
77	MP3C	X	0	0	0	%100
78	MP3C	Z	-.638	-.638	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	-.638	-.638	0	%100
81	MP1B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
82	MP1B	Z	-.638	-.638	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	-.638	-.638	0	%100
85	MP4B	X	0	0	0	%100
86	MP4B	Z	-.638	-.638	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	-.581	-.581	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	-.772	-.772	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	-1.018	-1.018	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-.638	-.638	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	-.193	-.193	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-.638	-.638	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	-.193	-.193	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	-.254	-.254	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	-.254	-.254	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	.31	.31	0	%100
2	M32	Z	-.537	-.537	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	4.4e-5	4.4e-5	0	%100
6	M21	Z	-7.6e-5	-7.6e-5	0	%100
7	M22	X	.34	.34	0	%100
8	M22	Z	-.588	-.588	0	%100
9	M33	X	.34	.34	0	%100
10	M33	Z	-.588	-.588	0	%100
11	M34	X	4.4e-5	4.4e-5	0	%100
12	M34	Z	-7.6e-5	-7.6e-5	0	%100
13	M45	X	.332	.332	0	%100
14	M45	Z	-.575	-.575	0	%100
15	M46	X	.332	.332	0	%100
16	M46	Z	-.575	-.575	0	%100
17	MP1A	X	.319	.319	0	%100
18	MP1A	Z	-.553	-.553	0	%100
19	MP2A	X	.319	.319	0	%100
20	MP2A	Z	-.553	-.553	0	%100
21	MP3A	X	.319	.319	0	%100
22	MP3A	Z	-.553	-.553	0	%100
23	MP4A	X	.319	.319	0	%100
24	MP4A	Z	-.553	-.553	0	%100
25	M1	X	.336	.336	0	%100
26	M1	Z	-.583	-.583	0	%100
27	M19	X	.121	.121	0	%100
28	M19	Z	-.21	-.21	0	%100
29	M31	X	.121	.121	0	%100
30	M31	Z	-.21	-.21	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M43	X	.485	.485	0	%100
32	M43	Z	-.84	-.84	0	%100
33	M3	X	.604	.604	0	%100
34	M3	Z	-1.047	-1.047	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	.604	.604	0	%100
38	M5	Z	-1.047	-1.047	0	%100
39	M9	X	.604	.604	0	%100
40	M9	Z	-1.047	-1.047	0	%100
41	M10	X	.604	.604	0	%100
42	M10	Z	-1.047	-1.047	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	.604	.604	0	%100
48	M16	Z	-1.047	-1.047	0	%100
49	M17	X	.604	.604	0	%100
50	M17	Z	-1.047	-1.047	0	%100
51	M80	X	.336	.336	0	%100
52	M80	Z	-.583	-.583	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	.604	.604	0	%100
56	M60	Z	-1.047	-1.047	0	%100
57	M61	X	.604	.604	0	%100
58	M61	Z	-1.047	-1.047	0	%100
59	M64	X	.604	.604	0	%100
60	M64	Z	-1.047	-1.047	0	%100
61	M65	X	.604	.604	0	%100
62	M65	Z	-1.047	-1.047	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	.31	.31	0	%100
70	M67A	Z	-.537	-.537	0	%100
71	M68A	X	.31	.31	0	%100
72	M68A	Z	-.537	-.537	0	%100
73	M69A	X	.31	.31	0	%100
74	M69A	Z	-.537	-.537	0	%100
75	MP1C	X	.319	.319	0	%100
76	MP1C	Z	-.553	-.553	0	%100
77	MP3C	X	.319	.319	0	%100
78	MP3C	Z	-.553	-.553	0	%100
79	MP4C	X	.319	.319	0	%100
80	MP4C	Z	-.553	-.553	0	%100
81	MP1B	X	.319	.319	0	%100
82	MP1B	Z	-.553	-.553	0	%100
83	MP3B	X	.319	.319	0	%100
84	MP3B	Z	-.553	-.553	0	%100
85	MP4B	X	.319	.319	0	%100
86	MP4B	Z	-.553	-.553	0	%100
87	OVP	X	.291	.291	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
88	OVP	Z	-.503	-.503	0	%100
89	M76	X	.29	.29	0	%100
90	M76	Z	-.502	-.502	0	%100
91	M94	X	.382	.382	0	%100
92	M94	Z	-.661	-.661	0	%100
93	MP2C	X	.319	.319	0	%100
94	MP2C	Z	-.553	-.553	0	%100
95	M91A	X	.29	.29	0	%100
96	M91A	Z	-.502	-.502	0	%100
97	MP2B	X	.319	.319	0	%100
98	MP2B	Z	-.553	-.553	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	.382	.382	0	%100
102	M94B	Z	-.661	-.661	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	.715	.715	0	%100
2	M32	Z	-.413	-.413	0	%100
3	M111	X	.179	.179	0	%100
4	M111	Z	-.103	-.103	0	%100
5	M21	X	.187	.187	0	%100
6	M21	Z	-.108	-.108	0	%100
7	M22	X	.775	.775	0	%100
8	M22	Z	-.448	-.448	0	%100
9	M33	X	.201	.201	0	%100
10	M33	Z	-.116	-.116	0	%100
11	M34	X	.201	.201	0	%100
12	M34	Z	-.116	-.116	0	%100
13	M45	X	.775	.775	0	%100
14	M45	Z	-.448	-.448	0	%100
15	M46	X	.187	.187	0	%100
16	M46	Z	-.108	-.108	0	%100
17	MP1A	X	.553	.553	0	%100
18	MP1A	Z	-.319	-.319	0	%100
19	MP2A	X	.553	.553	0	%100
20	MP2A	Z	-.319	-.319	0	%100
21	MP3A	X	.553	.553	0	%100
22	MP3A	Z	-.319	-.319	0	%100
23	MP4A	X	.553	.553	0	%100
24	MP4A	Z	-.319	-.319	0	%100
25	M1	X	.194	.194	0	%100
26	M1	Z	-.112	-.112	0	%100
27	M19	X	.63	.63	0	%100
28	M19	Z	-.364	-.364	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	.63	.63	0	%100
32	M43	Z	-.364	-.364	0	%100
33	M3	X	.349	.349	0	%100
34	M3	Z	-.201	-.201	0	%100
35	M4	X	.349	.349	0	%100
36	M4	Z	-.201	-.201	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M5	X	1.396	1.396	0	%100
38	M5	Z	-.806	-.806	0	%100
39	M9	X	1.396	1.396	0	%100
40	M9	Z	-.806	-.806	0	%100
41	M10	X	.349	.349	0	%100
42	M10	Z	-.201	-.201	0	%100
43	M11	X	.349	.349	0	%100
44	M11	Z	-.201	-.201	0	%100
45	M15	X	.349	.349	0	%100
46	M15	Z	-.201	-.201	0	%100
47	M16	X	1.396	1.396	0	%100
48	M16	Z	-.806	-.806	0	%100
49	M17	X	.349	.349	0	%100
50	M17	Z	-.201	-.201	0	%100
51	M80	X	.777	.777	0	%100
52	M80	Z	-.449	-.449	0	%100
53	M81A	X	.194	.194	0	%100
54	M81A	Z	-.112	-.112	0	%100
55	M60	X	.349	.349	0	%100
56	M60	Z	-.201	-.201	0	%100
57	M61	X	.349	.349	0	%100
58	M61	Z	-.201	-.201	0	%100
59	M64	X	1.396	1.396	0	%100
60	M64	Z	-.806	-.806	0	%100
61	M65	X	1.396	1.396	0	%100
62	M65	Z	-.806	-.806	0	%100
63	M68	X	.349	.349	0	%100
64	M68	Z	-.201	-.201	0	%100
65	M69	X	.349	.349	0	%100
66	M69	Z	-.201	-.201	0	%100
67	M66A	X	.179	.179	0	%100
68	M66A	Z	-.103	-.103	0	%100
69	M67A	X	.179	.179	0	%100
70	M67A	Z	-.103	-.103	0	%100
71	M68A	X	.179	.179	0	%100
72	M68A	Z	-.103	-.103	0	%100
73	M69A	X	.715	.715	0	%100
74	M69A	Z	-.413	-.413	0	%100
75	MP1C	X	.553	.553	0	%100
76	MP1C	Z	-.319	-.319	0	%100
77	MP3C	X	.553	.553	0	%100
78	MP3C	Z	-.319	-.319	0	%100
79	MP4C	X	.553	.553	0	%100
80	MP4C	Z	-.319	-.319	0	%100
81	MP1B	X	.553	.553	0	%100
82	MP1B	Z	-.319	-.319	0	%100
83	MP3B	X	.553	.553	0	%100
84	MP3B	Z	-.319	-.319	0	%100
85	MP4B	X	.553	.553	0	%100
86	MP4B	Z	-.319	-.319	0	%100
87	OVP	X	.503	.503	0	%100
88	OVP	Z	-.291	-.291	0	%100
89	M76	X	.167	.167	0	%100
90	M76	Z	-.097	-.097	0	%100
91	M94	X	.22	.22	0	%100
92	M94	Z	-.127	-.127	0	%100
93	MP2C	X	.553	.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	MP2C	Z	-.319	-.319	0	%100
95	M91A	X	.669	.669	0	%100
96	M91A	Z	-.386	-.386	0	%100
97	MP2B	X	.553	.553	0	%100
98	MP2B	Z	-.319	-.319	0	%100
99	M95A	X	.167	.167	0	%100
100	M95A	Z	-.097	-.097	0	%100
101	M94B	X	.881	.881	0	%100
102	M94B	Z	-.509	-.509	0	%100
103	M95	X	.22	.22	0	%100
104	M95	Z	-.127	-.127	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	.62	.62	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	.62	.62	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	.664	.664	0	%100
6	M21	Z	0	0	0	%100
7	M22	X	.664	.664	0	%100
8	M22	Z	0	0	0	%100
9	M33	X	8.8e-5	8.8e-5	0	%100
10	M33	Z	0	0	0	%100
11	M34	X	.679	.679	0	%100
12	M34	Z	0	0	0	%100
13	M45	X	.679	.679	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	8.8e-5	8.8e-5	0	%100
16	M46	Z	0	0	0	%100
17	MP1A	X	.638	.638	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	.638	.638	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	.638	.638	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	.638	.638	0	%100
24	MP4A	Z	0	0	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	0	0	0	%100
27	M19	X	.97	.97	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	.243	.243	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	.243	.243	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	0	0	0	%100
35	M4	X	1.209	1.209	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	1.209	1.209	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	1.209	1.209	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	M11	X	1.209	1.209	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	1.209	1.209	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	1.209	1.209	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	0	0	0	%100
51	M80	X	.673	.673	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	.673	.673	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	0	0	0	%100
59	M64	X	1.209	1.209	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	1.209	1.209	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	1.209	1.209	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	1.209	1.209	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	.62	.62	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	0	0	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	0	0	0	%100
73	M69A	X	.62	.62	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	.638	.638	0	%100
76	MP1C	Z	0	0	0	%100
77	MP3C	X	.638	.638	0	%100
78	MP3C	Z	0	0	0	%100
79	MP4C	X	.638	.638	0	%100
80	MP4C	Z	0	0	0	%100
81	MP1B	X	.638	.638	0	%100
82	MP1B	Z	0	0	0	%100
83	MP3B	X	.638	.638	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4B	X	.638	.638	0	%100
86	MP4B	Z	0	0	0	%100
87	OVP	X	.581	.581	0	%100
88	OVP	Z	0	0	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	0	0	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	0	0	0	%100
93	MP2C	X	.638	.638	0	%100
94	MP2C	Z	0	0	0	%100
95	M91A	X	.579	.579	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	.638	.638	0	%100
98	MP2B	Z	0	0	0	%100
99	M95A	X	.579	.579	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
100	M95A	Z	0	0	0	%100
101	M94B	X	.763	.763	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	.763	.763	0	%100
104	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	.179	.179	0	%100
2	M32	Z	.103	.103	0	%100
3	M111	X	.715	.715	0	%100
4	M111	Z	.413	.413	0	%100
5	M21	X	.775	.775	0	%100
6	M21	Z	.448	.448	0	%100
7	M22	X	.187	.187	0	%100
8	M22	Z	.108	.108	0	%100
9	M33	X	.187	.187	0	%100
10	M33	Z	.108	.108	0	%100
11	M34	X	.775	.775	0	%100
12	M34	Z	.448	.448	0	%100
13	M45	X	.201	.201	0	%100
14	M45	Z	.116	.116	0	%100
15	M46	X	.201	.201	0	%100
16	M46	Z	.116	.116	0	%100
17	MP1A	X	.553	.553	0	%100
18	MP1A	Z	.319	.319	0	%100
19	MP2A	X	.553	.553	0	%100
20	MP2A	Z	.319	.319	0	%100
21	MP3A	X	.553	.553	0	%100
22	MP3A	Z	.319	.319	0	%100
23	MP4A	X	.553	.553	0	%100
24	MP4A	Z	.319	.319	0	%100
25	M1	X	.194	.194	0	%100
26	M1	Z	.112	.112	0	%100
27	M19	X	.63	.63	0	%100
28	M19	Z	.364	.364	0	%100
29	M31	X	.63	.63	0	%100
30	M31	Z	.364	.364	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	.349	.349	0	%100
34	M3	Z	.201	.201	0	%100
35	M4	X	1.396	1.396	0	%100
36	M4	Z	.806	.806	0	%100
37	M5	X	.349	.349	0	%100
38	M5	Z	.201	.201	0	%100
39	M9	X	.349	.349	0	%100
40	M9	Z	.201	.201	0	%100
41	M10	X	.349	.349	0	%100
42	M10	Z	.201	.201	0	%100
43	M11	X	1.396	1.396	0	%100
44	M11	Z	.806	.806	0	%100
45	M15	X	1.396	1.396	0	%100
46	M15	Z	.806	.806	0	%100
47	M16	X	.349	.349	0	%100
48	M16	Z	.201	.201	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	M17	X	.349	.349	0	%100
50	M17	Z	.201	.201	0	%100
51	M80	X	.194	.194	0	%100
52	M80	Z	.112	.112	0	%100
53	M81A	X	.777	.777	0	%100
54	M81A	Z	.449	.449	0	%100
55	M60	X	.349	.349	0	%100
56	M60	Z	.201	.201	0	%100
57	M61	X	.349	.349	0	%100
58	M61	Z	.201	.201	0	%100
59	M64	X	.349	.349	0	%100
60	M64	Z	.201	.201	0	%100
61	M65	X	.349	.349	0	%100
62	M65	Z	.201	.201	0	%100
63	M68	X	1.396	1.396	0	%100
64	M68	Z	.806	.806	0	%100
65	M69	X	1.396	1.396	0	%100
66	M69	Z	.806	.806	0	%100
67	M66A	X	.715	.715	0	%100
68	M66A	Z	.413	.413	0	%100
69	M67A	X	.179	.179	0	%100
70	M67A	Z	.103	.103	0	%100
71	M68A	X	.179	.179	0	%100
72	M68A	Z	.103	.103	0	%100
73	M69A	X	.179	.179	0	%100
74	M69A	Z	.103	.103	0	%100
75	MP1C	X	.553	.553	0	%100
76	MP1C	Z	.319	.319	0	%100
77	MP3C	X	.553	.553	0	%100
78	MP3C	Z	.319	.319	0	%100
79	MP4C	X	.553	.553	0	%100
80	MP4C	Z	.319	.319	0	%100
81	MP1B	X	.553	.553	0	%100
82	MP1B	Z	.319	.319	0	%100
83	MP3B	X	.553	.553	0	%100
84	MP3B	Z	.319	.319	0	%100
85	MP4B	X	.553	.553	0	%100
86	MP4B	Z	.319	.319	0	%100
87	OVP	X	.503	.503	0	%100
88	OVP	Z	.291	.291	0	%100
89	M76	X	.167	.167	0	%100
90	M76	Z	.097	.097	0	%100
91	M94	X	.22	.22	0	%100
92	M94	Z	.127	.127	0	%100
93	MP2C	X	.553	.553	0	%100
94	MP2C	Z	.319	.319	0	%100
95	M91A	X	.167	.167	0	%100
96	M91A	Z	.097	.097	0	%100
97	MP2B	X	.553	.553	0	%100
98	MP2B	Z	.319	.319	0	%100
99	M95A	X	.669	.669	0	%100
100	M95A	Z	.386	.386	0	%100
101	M94B	X	.22	.22	0	%100
102	M94B	Z	.127	.127	0	%100
103	M95	X	.881	.881	0	%100
104	M95	Z	.509	.509	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	.31	.31	0	%100
4	M111	Z	.537	.537	0	%100
5	M21	X	.34	.34	0	%100
6	M21	Z	.588	.588	0	%100
7	M22	X	4.4e-5	4.4e-5	0	%100
8	M22	Z	7.6e-5	7.6e-5	0	%100
9	M33	X	.332	.332	0	%100
10	M33	Z	.575	.575	0	%100
11	M34	X	.332	.332	0	%100
12	M34	Z	.575	.575	0	%100
13	M45	X	4.4e-5	4.4e-5	0	%100
14	M45	Z	7.6e-5	7.6e-5	0	%100
15	M46	X	.34	.34	0	%100
16	M46	Z	.588	.588	0	%100
17	MP1A	X	.319	.319	0	%100
18	MP1A	Z	.553	.553	0	%100
19	MP2A	X	.319	.319	0	%100
20	MP2A	Z	.553	.553	0	%100
21	MP3A	X	.319	.319	0	%100
22	MP3A	Z	.553	.553	0	%100
23	MP4A	X	.319	.319	0	%100
24	MP4A	Z	.553	.553	0	%100
25	M1	X	.336	.336	0	%100
26	M1	Z	.583	.583	0	%100
27	M19	X	.121	.121	0	%100
28	M19	Z	.21	.21	0	%100
29	M31	X	.485	.485	0	%100
30	M31	Z	.84	.84	0	%100
31	M43	X	.121	.121	0	%100
32	M43	Z	.21	.21	0	%100
33	M3	X	.604	.604	0	%100
34	M3	Z	1.047	1.047	0	%100
35	M4	X	.604	.604	0	%100
36	M4	Z	1.047	1.047	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	.604	.604	0	%100
42	M10	Z	1.047	1.047	0	%100
43	M11	X	.604	.604	0	%100
44	M11	Z	1.047	1.047	0	%100
45	M15	X	.604	.604	0	%100
46	M15	Z	1.047	1.047	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	.604	.604	0	%100
50	M17	Z	1.047	1.047	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	.336	.336	0	%100
54	M81A	Z	.583	.583	0	%100
55	M60	X	.604	.604	0	%100
56	M60	Z	1.047	1.047	0	%100
57	M61	X	.604	.604	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M61	Z	1.047	1.047	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	.604	.604	0	%100
64	M68	Z	1.047	1.047	0	%100
65	M69	X	.604	.604	0	%100
66	M69	Z	1.047	1.047	0	%100
67	M66A	X	.31	.31	0	%100
68	M66A	Z	.537	.537	0	%100
69	M67A	X	.31	.31	0	%100
70	M67A	Z	.537	.537	0	%100
71	M68A	X	.31	.31	0	%100
72	M68A	Z	.537	.537	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	.319	.319	0	%100
76	MP1C	Z	.553	.553	0	%100
77	MP3C	X	.319	.319	0	%100
78	MP3C	Z	.553	.553	0	%100
79	MP4C	X	.319	.319	0	%100
80	MP4C	Z	.553	.553	0	%100
81	MP1B	X	.319	.319	0	%100
82	MP1B	Z	.553	.553	0	%100
83	MP3B	X	.319	.319	0	%100
84	MP3B	Z	.553	.553	0	%100
85	MP4B	X	.319	.319	0	%100
86	MP4B	Z	.553	.553	0	%100
87	OVP	X	.291	.291	0	%100
88	OVP	Z	.503	.503	0	%100
89	M76	X	.29	.29	0	%100
90	M76	Z	.502	.502	0	%100
91	M94	X	.382	.382	0	%100
92	M94	Z	.661	.661	0	%100
93	MP2C	X	.319	.319	0	%100
94	MP2C	Z	.553	.553	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	.319	.319	0	%100
98	MP2B	Z	.553	.553	0	%100
99	M95A	X	.29	.29	0	%100
100	M95A	Z	.502	.502	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	.382	.382	0	%100
104	M95	Z	.661	.661	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	.207	.207	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	.207	.207	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	.232	.232	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M22	X	0	0	0	%100
8	M22	Z	.232	.232	0	%100
9	M33	X	0	0	0	%100
10	M33	Z	.895	.895	0	%100
11	M34	X	0	0	0	%100
12	M34	Z	.216	.216	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	.216	.216	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	.895	.895	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	.638	.638	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	.638	.638	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	.638	.638	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	.638	.638	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	.897	.897	0	%100
27	M19	X	0	0	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	.728	.728	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	.728	.728	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	1.612	1.612	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	.403	.403	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	.403	.403	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	.403	.403	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	1.612	1.612	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	.403	.403	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	.403	.403	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	.403	.403	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	1.612	1.612	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	.224	.224	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	.224	.224	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	1.612	1.612	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	1.612	1.612	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	.403	.403	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	.403	.403	0	%100
63	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M68	Z	.403	.403	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	.403	.403	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	.207	.207	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	.826	.826	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	.826	.826	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	.207	.207	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	.638	.638	0	%100
77	MP3C	X	0	0	0	%100
78	MP3C	Z	.638	.638	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	.638	.638	0	%100
81	MP1B	X	0	0	0	%100
82	MP1B	Z	.638	.638	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	.638	.638	0	%100
85	MP4B	X	0	0	0	%100
86	MP4B	Z	.638	.638	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	.581	.581	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	.772	.772	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	1.018	1.018	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	.638	.638	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	.193	.193	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	.638	.638	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	.193	.193	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	.254	.254	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	.254	.254	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-.31	-.31	0	%100
2	M32	Z	.537	.537	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	-4.4e-5	-4.4e-5	0	%100
6	M21	Z	7.6e-5	7.6e-5	0	%100
7	M22	X	-.34	-.34	0	%100
8	M22	Z	.588	.588	0	%100
9	M33	X	-.34	-.34	0	%100
10	M33	Z	.588	.588	0	%100
11	M34	X	-4.4e-5	-4.4e-5	0	%100
12	M34	Z	7.6e-5	7.6e-5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M45	X	-.332	-.332	0	%100
14	M45	Z	.575	.575	0	%100
15	M46	X	-.332	-.332	0	%100
16	M46	Z	.575	.575	0	%100
17	MP1A	X	-.319	-.319	0	%100
18	MP1A	Z	.553	.553	0	%100
19	MP2A	X	-.319	-.319	0	%100
20	MP2A	Z	.553	.553	0	%100
21	MP3A	X	-.319	-.319	0	%100
22	MP3A	Z	.553	.553	0	%100
23	MP4A	X	-.319	-.319	0	%100
24	MP4A	Z	.553	.553	0	%100
25	M1	X	-.336	-.336	0	%100
26	M1	Z	.583	.583	0	%100
27	M19	X	-.121	-.121	0	%100
28	M19	Z	.21	.21	0	%100
29	M31	X	-.121	-.121	0	%100
30	M31	Z	.21	.21	0	%100
31	M43	X	-.485	-.485	0	%100
32	M43	Z	.84	.84	0	%100
33	M3	X	-.604	-.604	0	%100
34	M3	Z	1.047	1.047	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	-.604	-.604	0	%100
38	M5	Z	1.047	1.047	0	%100
39	M9	X	-.604	-.604	0	%100
40	M9	Z	1.047	1.047	0	%100
41	M10	X	-.604	-.604	0	%100
42	M10	Z	1.047	1.047	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	-.604	-.604	0	%100
48	M16	Z	1.047	1.047	0	%100
49	M17	X	-.604	-.604	0	%100
50	M17	Z	1.047	1.047	0	%100
51	M80	X	-.336	-.336	0	%100
52	M80	Z	.583	.583	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	-.604	-.604	0	%100
56	M60	Z	1.047	1.047	0	%100
57	M61	X	-.604	-.604	0	%100
58	M61	Z	1.047	1.047	0	%100
59	M64	X	-.604	-.604	0	%100
60	M64	Z	1.047	1.047	0	%100
61	M65	X	-.604	-.604	0	%100
62	M65	Z	1.047	1.047	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	-.31	-.31	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M67A	Z	.537	.537	0	%100
71	M68A	X	-.31	-.31	0	%100
72	M68A	Z	.537	.537	0	%100
73	M69A	X	-.31	-.31	0	%100
74	M69A	Z	.537	.537	0	%100
75	MP1C	X	-.319	-.319	0	%100
76	MP1C	Z	.553	.553	0	%100
77	MP3C	X	-.319	-.319	0	%100
78	MP3C	Z	.553	.553	0	%100
79	MP4C	X	-.319	-.319	0	%100
80	MP4C	Z	.553	.553	0	%100
81	MP1B	X	-.319	-.319	0	%100
82	MP1B	Z	.553	.553	0	%100
83	MP3B	X	-.319	-.319	0	%100
84	MP3B	Z	.553	.553	0	%100
85	MP4B	X	-.319	-.319	0	%100
86	MP4B	Z	.553	.553	0	%100
87	OVP	X	-.291	-.291	0	%100
88	OVP	Z	.503	.503	0	%100
89	M76	X	-.29	-.29	0	%100
90	M76	Z	.502	.502	0	%100
91	M94	X	-.382	-.382	0	%100
92	M94	Z	.661	.661	0	%100
93	MP2C	X	-.319	-.319	0	%100
94	MP2C	Z	.553	.553	0	%100
95	M91A	X	-.29	-.29	0	%100
96	M91A	Z	.502	.502	0	%100
97	MP2B	X	-.319	-.319	0	%100
98	MP2B	Z	.553	.553	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	-.382	-.382	0	%100
102	M94B	Z	.661	.661	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-.715	-.715	0	%100
2	M32	Z	.413	.413	0	%100
3	M111	X	-.179	-.179	0	%100
4	M111	Z	.103	.103	0	%100
5	M21	X	-.187	-.187	0	%100
6	M21	Z	.108	.108	0	%100
7	M22	X	-.775	-.775	0	%100
8	M22	Z	.448	.448	0	%100
9	M33	X	-.201	-.201	0	%100
10	M33	Z	.116	.116	0	%100
11	M34	X	-.201	-.201	0	%100
12	M34	Z	.116	.116	0	%100
13	M45	X	-.775	-.775	0	%100
14	M45	Z	.448	.448	0	%100
15	M46	X	-.187	-.187	0	%100
16	M46	Z	.108	.108	0	%100
17	MP1A	X	-.553	-.553	0	%100
18	MP1A	Z	.319	.319	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP2A	X	-.553	-.553	0	%100
20	MP2A	Z	.319	.319	0	%100
21	MP3A	X	-.553	-.553	0	%100
22	MP3A	Z	.319	.319	0	%100
23	MP4A	X	-.553	-.553	0	%100
24	MP4A	Z	.319	.319	0	%100
25	M1	X	-.194	-.194	0	%100
26	M1	Z	.112	.112	0	%100
27	M19	X	-.63	-.63	0	%100
28	M19	Z	.364	.364	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	-.63	-.63	0	%100
32	M43	Z	.364	.364	0	%100
33	M3	X	-.349	-.349	0	%100
34	M3	Z	.201	.201	0	%100
35	M4	X	-.349	-.349	0	%100
36	M4	Z	.201	.201	0	%100
37	M5	X	-1.396	-1.396	0	%100
38	M5	Z	.806	.806	0	%100
39	M9	X	-1.396	-1.396	0	%100
40	M9	Z	.806	.806	0	%100
41	M10	X	-.349	-.349	0	%100
42	M10	Z	.201	.201	0	%100
43	M11	X	-.349	-.349	0	%100
44	M11	Z	.201	.201	0	%100
45	M15	X	-.349	-.349	0	%100
46	M15	Z	.201	.201	0	%100
47	M16	X	-1.396	-1.396	0	%100
48	M16	Z	.806	.806	0	%100
49	M17	X	-.349	-.349	0	%100
50	M17	Z	.201	.201	0	%100
51	M80	X	-.777	-.777	0	%100
52	M80	Z	.449	.449	0	%100
53	M81A	X	-.194	-.194	0	%100
54	M81A	Z	.112	.112	0	%100
55	M60	X	-.349	-.349	0	%100
56	M60	Z	.201	.201	0	%100
57	M61	X	-.349	-.349	0	%100
58	M61	Z	.201	.201	0	%100
59	M64	X	-1.396	-1.396	0	%100
60	M64	Z	.806	.806	0	%100
61	M65	X	-1.396	-1.396	0	%100
62	M65	Z	.806	.806	0	%100
63	M68	X	-.349	-.349	0	%100
64	M68	Z	.201	.201	0	%100
65	M69	X	-.349	-.349	0	%100
66	M69	Z	.201	.201	0	%100
67	M66A	X	-.179	-.179	0	%100
68	M66A	Z	.103	.103	0	%100
69	M67A	X	-.179	-.179	0	%100
70	M67A	Z	.103	.103	0	%100
71	M68A	X	-.179	-.179	0	%100
72	M68A	Z	.103	.103	0	%100
73	M69A	X	-.715	-.715	0	%100
74	M69A	Z	.413	.413	0	%100
75	MP1C	X	-.553	-.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	MP1C	Z	.319	.319	0	%100
77	MP3C	X	-.553	-.553	0	%100
78	MP3C	Z	.319	.319	0	%100
79	MP4C	X	-.553	-.553	0	%100
80	MP4C	Z	.319	.319	0	%100
81	MP1B	X	-.553	-.553	0	%100
82	MP1B	Z	.319	.319	0	%100
83	MP3B	X	-.553	-.553	0	%100
84	MP3B	Z	.319	.319	0	%100
85	MP4B	X	-.553	-.553	0	%100
86	MP4B	Z	.319	.319	0	%100
87	OVP	X	-.503	-.503	0	%100
88	OVP	Z	.291	.291	0	%100
89	M76	X	-.167	-.167	0	%100
90	M76	Z	.097	.097	0	%100
91	M94	X	-.22	-.22	0	%100
92	M94	Z	.127	.127	0	%100
93	MP2C	X	-.553	-.553	0	%100
94	MP2C	Z	.319	.319	0	%100
95	M91A	X	-.669	-.669	0	%100
96	M91A	Z	.386	.386	0	%100
97	MP2B	X	-.553	-.553	0	%100
98	MP2B	Z	.319	.319	0	%100
99	M95A	X	-.167	-.167	0	%100
100	M95A	Z	.097	.097	0	%100
101	M94B	X	-.881	-.881	0	%100
102	M94B	Z	.509	.509	0	%100
103	M95	X	-.22	-.22	0	%100
104	M95	Z	.127	.127	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-.62	-.62	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	-.62	-.62	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	-.664	-.664	0	%100
6	M21	Z	0	0	0	%100
7	M22	X	-.664	-.664	0	%100
8	M22	Z	0	0	0	%100
9	M33	X	-8.8e-5	-8.8e-5	0	%100
10	M33	Z	0	0	0	%100
11	M34	X	-.679	-.679	0	%100
12	M34	Z	0	0	0	%100
13	M45	X	-.679	-.679	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	-8.8e-5	-8.8e-5	0	%100
16	M46	Z	0	0	0	%100
17	MP1A	X	-.638	-.638	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	-.638	-.638	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	-.638	-.638	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	-.638	-.638	0	%100
24	MP4A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M1	X	0	0	0	%100
26	M1	Z	0	0	0	%100
27	M19	X	-.97	-.97	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	-.243	-.243	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	-.243	-.243	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	0	0	0	%100
35	M4	X	-1.209	-1.209	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	-1.209	-1.209	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	-1.209	-1.209	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	0	0	0	%100
43	M11	X	-1.209	-1.209	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	-1.209	-1.209	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	-1.209	-1.209	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	0	0	0	%100
51	M80	X	-.673	-.673	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	-.673	-.673	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	0	0	0	%100
59	M64	X	-1.209	-1.209	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	-1.209	-1.209	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	-1.209	-1.209	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	-1.209	-1.209	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	-.62	-.62	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	0	0	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	0	0	0	%100
73	M69A	X	-.62	-.62	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	-.638	-.638	0	%100
76	MP1C	Z	0	0	0	%100
77	MP3C	X	-.638	-.638	0	%100
78	MP3C	Z	0	0	0	%100
79	MP4C	X	-.638	-.638	0	%100
80	MP4C	Z	0	0	0	%100
81	MP1B	X	-.638	-.638	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
82	MP1B	Z	0	0	0	%100
83	MP3B	X	-.638	-.638	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4B	X	-.638	-.638	0	%100
86	MP4B	Z	0	0	0	%100
87	OVP	X	-.581	-.581	0	%100
88	OVP	Z	0	0	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	0	0	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	0	0	0	%100
93	MP2C	X	-.638	-.638	0	%100
94	MP2C	Z	0	0	0	%100
95	M91A	X	-.579	-.579	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	-.638	-.638	0	%100
98	MP2B	Z	0	0	0	%100
99	M95A	X	-.579	-.579	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	-.763	-.763	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	-.763	-.763	0	%100
104	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-.179	-.179	0	%100
2	M32	Z	-.103	-.103	0	%100
3	M111	X	-.715	-.715	0	%100
4	M111	Z	-.413	-.413	0	%100
5	M21	X	-.775	-.775	0	%100
6	M21	Z	-.448	-.448	0	%100
7	M22	X	-.187	-.187	0	%100
8	M22	Z	-.108	-.108	0	%100
9	M33	X	-.187	-.187	0	%100
10	M33	Z	-.108	-.108	0	%100
11	M34	X	-.775	-.775	0	%100
12	M34	Z	-.448	-.448	0	%100
13	M45	X	-.201	-.201	0	%100
14	M45	Z	-.116	-.116	0	%100
15	M46	X	-.201	-.201	0	%100
16	M46	Z	-.116	-.116	0	%100
17	MP1A	X	-.553	-.553	0	%100
18	MP1A	Z	-.319	-.319	0	%100
19	MP2A	X	-.553	-.553	0	%100
20	MP2A	Z	-.319	-.319	0	%100
21	MP3A	X	-.553	-.553	0	%100
22	MP3A	Z	-.319	-.319	0	%100
23	MP4A	X	-.553	-.553	0	%100
24	MP4A	Z	-.319	-.319	0	%100
25	M1	X	-.194	-.194	0	%100
26	M1	Z	-.112	-.112	0	%100
27	M19	X	-.63	-.63	0	%100
28	M19	Z	-.364	-.364	0	%100
29	M31	X	-.63	-.63	0	%100
30	M31	Z	-.364	-.364	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	-.349	-.349	0	%100
34	M3	Z	-.201	-.201	0	%100
35	M4	X	-1.396	-1.396	0	%100
36	M4	Z	-.806	-.806	0	%100
37	M5	X	-.349	-.349	0	%100
38	M5	Z	-.201	-.201	0	%100
39	M9	X	-.349	-.349	0	%100
40	M9	Z	-.201	-.201	0	%100
41	M10	X	-.349	-.349	0	%100
42	M10	Z	-.201	-.201	0	%100
43	M11	X	-1.396	-1.396	0	%100
44	M11	Z	-.806	-.806	0	%100
45	M15	X	-1.396	-1.396	0	%100
46	M15	Z	-.806	-.806	0	%100
47	M16	X	-.349	-.349	0	%100
48	M16	Z	-.201	-.201	0	%100
49	M17	X	-.349	-.349	0	%100
50	M17	Z	-.201	-.201	0	%100
51	M80	X	-.194	-.194	0	%100
52	M80	Z	-.112	-.112	0	%100
53	M81A	X	-.777	-.777	0	%100
54	M81A	Z	-.449	-.449	0	%100
55	M60	X	-.349	-.349	0	%100
56	M60	Z	-.201	-.201	0	%100
57	M61	X	-.349	-.349	0	%100
58	M61	Z	-.201	-.201	0	%100
59	M64	X	-.349	-.349	0	%100
60	M64	Z	-.201	-.201	0	%100
61	M65	X	-.349	-.349	0	%100
62	M65	Z	-.201	-.201	0	%100
63	M68	X	-1.396	-1.396	0	%100
64	M68	Z	-.806	-.806	0	%100
65	M69	X	-1.396	-1.396	0	%100
66	M69	Z	-.806	-.806	0	%100
67	M66A	X	-.715	-.715	0	%100
68	M66A	Z	-.413	-.413	0	%100
69	M67A	X	-.179	-.179	0	%100
70	M67A	Z	-.103	-.103	0	%100
71	M68A	X	-.179	-.179	0	%100
72	M68A	Z	-.103	-.103	0	%100
73	M69A	X	-.179	-.179	0	%100
74	M69A	Z	-.103	-.103	0	%100
75	MP1C	X	-.553	-.553	0	%100
76	MP1C	Z	-.319	-.319	0	%100
77	MP3C	X	-.553	-.553	0	%100
78	MP3C	Z	-.319	-.319	0	%100
79	MP4C	X	-.553	-.553	0	%100
80	MP4C	Z	-.319	-.319	0	%100
81	MP1B	X	-.553	-.553	0	%100
82	MP1B	Z	-.319	-.319	0	%100
83	MP3B	X	-.553	-.553	0	%100
84	MP3B	Z	-.319	-.319	0	%100
85	MP4B	X	-.553	-.553	0	%100
86	MP4B	Z	-.319	-.319	0	%100
87	OVP	X	-.503	-.503	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
88	OVP	Z	-.291	-.291	0	%100
89	M76	X	-.167	-.167	0	%100
90	M76	Z	-.097	-.097	0	%100
91	M94	X	-.22	-.22	0	%100
92	M94	Z	-.127	-.127	0	%100
93	MP2C	X	-.553	-.553	0	%100
94	MP2C	Z	-.319	-.319	0	%100
95	M91A	X	-.167	-.167	0	%100
96	M91A	Z	-.097	-.097	0	%100
97	MP2B	X	-.553	-.553	0	%100
98	MP2B	Z	-.319	-.319	0	%100
99	M95A	X	-.669	-.669	0	%100
100	M95A	Z	-.386	-.386	0	%100
101	M94B	X	-.22	-.22	0	%100
102	M94B	Z	-.127	-.127	0	%100
103	M95	X	-.881	-.881	0	%100
104	M95	Z	-.509	-.509	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	-.31	-.31	0	%100
4	M111	Z	-.537	-.537	0	%100
5	M21	X	-.34	-.34	0	%100
6	M21	Z	-.588	-.588	0	%100
7	M22	X	-4.4e-5	-4.4e-5	0	%100
8	M22	Z	-7.6e-5	-7.6e-5	0	%100
9	M33	X	-.332	-.332	0	%100
10	M33	Z	-.575	-.575	0	%100
11	M34	X	-.332	-.332	0	%100
12	M34	Z	-.575	-.575	0	%100
13	M45	X	-4.4e-5	-4.4e-5	0	%100
14	M45	Z	-7.6e-5	-7.6e-5	0	%100
15	M46	X	-.34	-.34	0	%100
16	M46	Z	-.588	-.588	0	%100
17	MP1A	X	-.319	-.319	0	%100
18	MP1A	Z	-.553	-.553	0	%100
19	MP2A	X	-.319	-.319	0	%100
20	MP2A	Z	-.553	-.553	0	%100
21	MP3A	X	-.319	-.319	0	%100
22	MP3A	Z	-.553	-.553	0	%100
23	MP4A	X	-.319	-.319	0	%100
24	MP4A	Z	-.553	-.553	0	%100
25	M1	X	-.336	-.336	0	%100
26	M1	Z	-.583	-.583	0	%100
27	M19	X	-.121	-.121	0	%100
28	M19	Z	-.21	-.21	0	%100
29	M31	X	-.485	-.485	0	%100
30	M31	Z	-.84	-.84	0	%100
31	M43	X	-.121	-.121	0	%100
32	M43	Z	-.21	-.21	0	%100
33	M3	X	-.604	-.604	0	%100
34	M3	Z	-1.047	-1.047	0	%100
35	M4	X	-.604	-.604	0	%100
36	M4	Z	-1.047	-1.047	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M5	X	0	0	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	-.604	-.604	0	%100
42	M10	Z	-1.047	-1.047	0	%100
43	M11	X	-.604	-.604	0	%100
44	M11	Z	-1.047	-1.047	0	%100
45	M15	X	-.604	-.604	0	%100
46	M15	Z	-1.047	-1.047	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	-.604	-.604	0	%100
50	M17	Z	-1.047	-1.047	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	-.336	-.336	0	%100
54	M81A	Z	-.583	-.583	0	%100
55	M60	X	-.604	-.604	0	%100
56	M60	Z	-1.047	-1.047	0	%100
57	M61	X	-.604	-.604	0	%100
58	M61	Z	-1.047	-1.047	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	-.604	-.604	0	%100
64	M68	Z	-1.047	-1.047	0	%100
65	M69	X	-.604	-.604	0	%100
66	M69	Z	-1.047	-1.047	0	%100
67	M66A	X	-.31	-.31	0	%100
68	M66A	Z	-.537	-.537	0	%100
69	M67A	X	-.31	-.31	0	%100
70	M67A	Z	-.537	-.537	0	%100
71	M68A	X	-.31	-.31	0	%100
72	M68A	Z	-.537	-.537	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	-.319	-.319	0	%100
76	MP1C	Z	-.553	-.553	0	%100
77	MP3C	X	-.319	-.319	0	%100
78	MP3C	Z	-.553	-.553	0	%100
79	MP4C	X	-.319	-.319	0	%100
80	MP4C	Z	-.553	-.553	0	%100
81	MP1B	X	-.319	-.319	0	%100
82	MP1B	Z	-.553	-.553	0	%100
83	MP3B	X	-.319	-.319	0	%100
84	MP3B	Z	-.553	-.553	0	%100
85	MP4B	X	-.319	-.319	0	%100
86	MP4B	Z	-.553	-.553	0	%100
87	OVP	X	-.291	-.291	0	%100
88	OVP	Z	-.503	-.503	0	%100
89	M76	X	-.29	-.29	0	%100
90	M76	Z	-.502	-.502	0	%100
91	M94	X	-.382	-.382	0	%100
92	M94	Z	-.661	-.661	0	%100
93	MP2C	X	-.319	-.319	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	MP2C	Z	-.553	-.553	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	-.319	-.319	0	%100
98	MP2B	Z	-.553	-.553	0	%100
99	M95A	X	-.29	-.29	0	%100
100	M95A	Z	-.502	-.502	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	-.382	-.382	0	%100
104	M95	Z	-.661	-.661	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	Y	-4.87	-4.87	1.73	2.719
2	M33	Y	-4.776	-2.72	0	2.202
3	M33	Y	-2.72	-.665	2.202	4.404
4	M34	Y	-4.776	-2.72	0	2.202
5	M34	Y	-2.72	-.665	2.202	4.404
6	M31	Y	-6.081	-6.081	1.077	2.814
7	M69A	Y	-4.87	-4.87	0	.989
8	M21	Y	-4.776	-2.72	0	2.202
9	M21	Y	-2.72	-.665	2.202	4.404
10	M22	Y	-4.776	-2.72	0	2.202
11	M22	Y	-2.72	-.665	2.202	4.404
12	M19	Y	-6.081	-6.081	1.077	2.814
13	M67A	Y	-4.87	-4.87	0	.989
14	M68A	Y	-4.87	-4.87	1.73	2.719
15	M111	Y	-4.87	-4.87	0	.989
16	M45	Y	-4.776	-2.72	0	2.202
17	M45	Y	-2.72	-.665	2.202	4.404
18	M46	Y	-4.776	-2.72	0	2.202
19	M46	Y	-2.72	-.665	2.202	4.404
20	M43	Y	-6.081	-6.081	1.077	2.814
21	M66A	Y	-4.87	-4.87	1.73	2.719

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	Y	-9.446	-9.446	1.73	2.719
2	M33	Y	-9.262	-5.276	0	2.202
3	M33	Y	-5.276	-1.29	2.202	4.404
4	M34	Y	-9.262	-5.276	0	2.202
5	M34	Y	-5.276	-1.29	2.202	4.404
6	M31	Y	-11.793	-11.793	1.077	2.814
7	M69A	Y	-9.446	-9.446	0	.989
8	M21	Y	-9.262	-5.276	0	2.202
9	M21	Y	-5.276	-1.29	2.202	4.404
10	M22	Y	-9.262	-5.276	0	2.202
11	M22	Y	-5.276	-1.29	2.202	4.404
12	M19	Y	-11.793	-11.793	1.077	2.814
13	M67A	Y	-9.446	-9.446	0	.989
14	M68A	Y	-9.446	-9.446	1.73	2.719
15	M111	Y	-9.446	-9.446	0	.989
16	M45	Y	-9.262	-5.276	0	2.202
17	M45	Y	-5.276	-1.29	2.202	4.404
18	M46	Y	-9.262	-5.276	0	2.202

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M46	Y	-5.276	-1.29	2.202	4.404
20	M43	Y	-11.793	-11.793	1.077	2.814
21	M66A	Y	-9.446	-9.446	1.73	2.719

Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	Y	-.211	-.211	1.73	2.719
2	M33	Y	-.207	-.118	0	2.202
3	M33	Y	-.118	-.029	2.202	4.404
4	M34	Y	-.207	-.118	0	2.202
5	M34	Y	-.118	-.029	2.202	4.404
6	M31	Y	-.263	-.263	1.077	2.814
7	M69A	Y	-.211	-.211	0	.989
8	M21	Y	-.207	-.118	0	2.202
9	M21	Y	-.118	-.029	2.202	4.404
10	M22	Y	-.207	-.118	0	2.202
11	M22	Y	-.118	-.029	2.202	4.404
12	M19	Y	-.263	-.263	1.077	2.814
13	M67A	Y	-.211	-.211	0	.989
14	M68A	Y	-.211	-.211	1.73	2.719
15	M111	Y	-.211	-.211	0	.989
16	M45	Y	-.207	-.118	0	2.202
17	M45	Y	-.118	-.029	2.202	4.404
18	M46	Y	-.207	-.118	0	2.202
19	M46	Y	-.118	-.029	2.202	4.404
20	M43	Y	-.263	-.263	1.077	2.814
21	M66A	Y	-.211	-.211	1.73	2.719

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	Z	-.527	-.527	1.73	2.719
2	M33	Z	-.517	-.295	0	2.202
3	M33	Z	-.295	-.072	2.202	4.404
4	M34	Z	-.517	-.295	0	2.202
5	M34	Z	-.295	-.072	2.202	4.404
6	M31	Z	-.658	-.658	1.077	2.814
7	M69A	Z	-.527	-.527	0	.989
8	M21	Z	-.517	-.295	0	2.202
9	M21	Z	-.295	-.072	2.202	4.404
10	M22	Z	-.517	-.295	0	2.202
11	M22	Z	-.295	-.072	2.202	4.404
12	M19	Z	-.658	-.658	1.077	2.814
13	M67A	Z	-.527	-.527	0	.989
14	M68A	Z	-.527	-.527	1.73	2.719
15	M111	Z	-.527	-.527	0	.989
16	M45	Z	-.517	-.295	0	2.202
17	M45	Z	-.295	-.072	2.202	4.404
18	M46	Z	-.517	-.295	0	2.202
19	M46	Z	-.295	-.072	2.202	4.404
20	M43	Z	-.658	-.658	1.077	2.814
21	M66A	Z	-.527	-.527	1.73	2.719

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	.527	.527	1.73	2.719

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	M33	X	.517	.295	0	2.202
3	M33	X	.295	.072	2.202	4.404
4	M34	X	.517	.295	0	2.202
5	M34	X	.295	.072	2.202	4.404
6	M31	X	.658	.658	1.077	2.814
7	M69A	X	.527	.527	0	.989
8	M21	X	.517	.295	0	2.202
9	M21	X	.295	.072	2.202	4.404
10	M22	X	.517	.295	0	2.202
11	M22	X	.295	.072	2.202	4.404
12	M19	X	.658	.658	1.077	2.814
13	M67A	X	.527	.527	0	.989
14	M68A	X	.527	.527	1.73	2.719
15	M111	X	.527	.527	0	.989
16	M45	X	.517	.295	0	2.202
17	M45	X	.295	.072	2.202	4.404
18	M46	X	.517	.295	0	2.202
19	M46	X	.295	.072	2.202	4.404
20	M43	X	.658	.658	1.077	2.814
21	M66A	X	.527	.527	1.73	2.719

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N54	N55	N56		Y	Two Way	-.005
2	N34	N35	N36		Y	Two Way	-.005
3	N75	N74	N76		Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N54	N55	N56		Y	Two Way	-.01
2	N34	N35	N36		Y	Two Way	-.01
3	N75	N74	N76		Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N54	N55	N56		Y	Two Way	-.000225
2	N34	N35	N36		Y	Two Way	-.000225
3	N75	N74	N76		Y	Two Way	-.000225

Member Area Loads (BLC 85 : Structure Eh (0 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N54	N55	N56		Z	Two Way	-.000563
2	N34	N35	N36		Z	Two Way	-.000563
3	N75	N74	N76		Z	Two Way	-.000563

Member Area Loads (BLC 86 : Structure Eh (90 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N54	N55	N56		X	Two Way	.000563
2	N34	N35	N36		X	Two Way	.000563
3	N75	N74	N76		X	Two Way	.000563

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [...	LC
1	N71	m...	1809.125	10	2079.18	17	877.66	11	-.128	11	1.694	8	4.124	29
2		m...	-1722.703	4	554.217	11	-845.918	5	-2.719	29	-1.712	2	.233	11
3	N51	m...	1726.591	9	2262.45	21	1649.962	1	-.176	2	1.932	12	-.25	3
4		m...	-1797.585	3	651.21	3	-1601.041	7	-2.455	20	-1.961	6	-4.004	21
5	N31	m...	1022.624	10	2077.807	13	1860.187	1	4.423	13	1.637	4	.12	4
6		m...	-1036.319	4	545.379	7	-1940.586	7	.274	7	-1.656	10	-.241	10
7	Totals:	m...	4349.113	10	6064.889	13	4365.4	1						
8		m...	-4349.118	4	2230.921	70	-4365.398	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...	Dir	LC	phi*Pn...	phi*P...	phi*Mn y...	phi*Mn		Eqn
1	M32	HSS4...	.150	2.719	20	.042	2...	y	19	13526...	139518	16.181	16.181	...	H1-...
2	M111	HSS4...	.154	0	18	.048	0	y	41	13526...	139518	16.181	16.181	...	H1-...
3	M21	L2x2x3	.201	2.202	12	.009	0	y	22	8838.5...	23392...	.558	1.062	...	H2-1
4	M22	L2x2x3	.182	2.202	2	.011	0	z	16	8838.5...	23392...	.558	1.062	...	H2-1
5	M33	L2x2x3	.211	2.202	8	.009	0	y	18	8838.5...	23392...	.558	1.062	...	H2-1
6	M34	L2x2x3	.182	2.202	10	.011	0	z	13	8838.5...	23392...	.558	1.062	...	H2-1
7	M45	L2x2x3	.203	2.202	4	.009	0	y	14	8838.5...	23392...	.558	1.062	...	H2-1
8	M46	L2x2x3	.184	2.202	6	.011	0	z	20	8838.5...	23392...	.558	1.062	...	H2-1
9	MP1A	PIPE_...	.239	4	9	.079	4		8	20866...	32130	1.872	1.872	...	H1-...
10	MP2A	PIPE_...	.338	4	9	.092	4		12	20866...	32130	1.872	1.872	...	H1-...
11	MP3A	PIPE_...	.394	4	6	.120	4		8	20866...	32130	1.872	1.872	...	H1-...
12	MP4A	PIPE_...	.229	4	5	.069	1		7	20866...	32130	1.872	1.872	...	H1-...
13	M1	PIPE_...	.110	3.095	16	.061	4...		2	34804...	89145	7.639	7.639	...	H1-...
14	M19	HSS4...	.278	5.479	23	.066	5...	y	24	12304...	139518	16.181	16.181	...	H1-...
15	M31	HSS4...	.297	5.479	19	.072	5...	y	19	12304...	139518	16.181	16.181	...	H1-...
16	M43	HSS4...	.306	5.479	27	.080	5...	y	43	12304...	139518	16.181	16.181	...	H1-...
17	M3	PL3/8x6	.064	.146	5	.214	....	y	27	68943...	72900	.57	9.113	...	H1-...
18	M4	PL3/8x6	.138	.531	6	.138	....	y	26	34760...	72900	.57	9.113	...	H1-...
19	M5	PL3/8x6	.072	.146	6	.154	0	y	7	68943...	72900	.57	9.113	...	H1-...
20	M9	PL3/8x6	.063	.146	1	.156	....	y	5	68943...	72900	.57	9.113	...	H1-...
21	M10	PL3/8x6	.134	.531	2	.105	....	y	16	34760...	72900	.57	9.113	...	H1-...
22	M11	PL3/8x6	.072	.146	2	.155	0	y	3	68943...	72900	.57	9.113	...	H1-...
23	M15	PL3/8x6	.063	.146	9	.156	....	y	1	68943...	72900	.57	9.113	...	H1-...
24	M16	PL3/8x6	.134	.531	2	.108	....	y	24	34760...	72900	.57	9.113	...	H1-...
25	M17	PL3/8x6	.072	.146	11	.156	0	y	11	68943...	72900	.57	9.113	...	H1-...
26	M80	PIPE_...	.109	3.095	24	.057	4...		10	34804...	89145	7.639	7.639	...	H1-...
27	M81A	PIPE_...	.109	3.095	20	.056	4...		6	34804...	89145	7.639	7.639	...	H1-...
28	M60	PL3/8x6	.335	.085	6	.398	....	y	42	68376...	72900	.57	9.113	...	H1-...
29	M61	PL3/8x6	.376	.085	2	.401	....	y	20	68376...	72900	.57	9.113	...	H1-...
30	M64	PL3/8x6	.324	.085	2	.380	....	y	14	68376...	72900	.57	9.113	...	H1-...
31	M65	PL3/8x6	.359	.085	10	.393	....	y	16	68376...	72900	.57	9.113	...	H1-...
32	M68	PL3/8x6	.324	.085	10	.392	....	y	22	68376...	72900	.57	9.113	...	H1-...
33	M69	PL3/8x6	.358	.085	6	.395	....	y	24	68376...	72900	.57	9.113	...	H1-...
34	M66A	HSS4...	.148	2.719	16	.040	2...	y	15	13526...	139518	16.181	16.181	...	H1-...
35	M67A	HSS4...	.152	0	14	.025	0	y	17	13526...	139518	16.181	16.181	...	H1-...
36	M68A	HSS4...	.149	2.719	24	.040	2...	y	23	13526...	139518	16.181	16.181	...	H1-...
37	M69A	HSS4...	.153	0	22	.025	0	y	24	13526...	139518	16.181	16.181	...	H1-...
38	MP1C	PIPE_...	.239	4	5	.080	4		4	20866...	32130	1.872	1.872	...	H1-...
39	MP3C	PIPE_...	.347	4	2	.111	4		4	20866...	32130	1.872	1.872	...	H1-...
40	MP4C	PIPE_...	.229	4	1	.073	1		3	20866...	32130	1.872	1.872	...	H1-...
41	MP1B	PIPE_...	.239	4	1	.080	4		12	20866...	32130	1.872	1.872	...	H1-...
42	MP3B	PIPE_...	.346	4	9	.111	4		12	20866...	32130	1.872	1.872	...	H1-...
43	MP4B	PIPE_...	.231	4	9	.073	1		11	20866...	32130	1.872	1.872	...	H1-...

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...	Dir	LC	phi*Pn...	phi*P...	phi*Mn y...	phi*Mn ...	...	Eqn
44	OVP	PIPE_...	.133	3	6	.017	3		6	26521...	32130	1.872	1.872	...	H1-...
45	M76	PIPE_...	.146	2.865	6	.080	2...		2	14558...	50715	3.596	3.596	...	H1-...
46	M94	L3X3X4	.286	2.614	11	.022	2...	y	11	40103...	46656	1.688	3.756	...	H2-1
47	MP2C	PIPE_...	.335	4	5	.091	4		8	20866...	32130	1.872	1.872	...	H1-...
48	M91A	PIPE_...	.148	2.865	2	.080	2...		10	14558...	50715	3.596	3.596	...	H1-...
49	MP2B	PIPE_...	.335	4	1	.093	4		4	20866...	32130	1.872	1.872	...	H1-...
50	M95A	PIPE_...	.150	2.865	10	.079	2...		6	14558...	50715	3.596	3.596	...	H1-...
51	M94B	L3X3X4	.273	2.614	7	.021	2...	y	1	40103...	46656	1.688	3.756	...	H2-1
52	M95	L3X3X4	.285	2.614	3	.022	2...	y	3	40103...	46656	1.688	3.756	...	H2-1

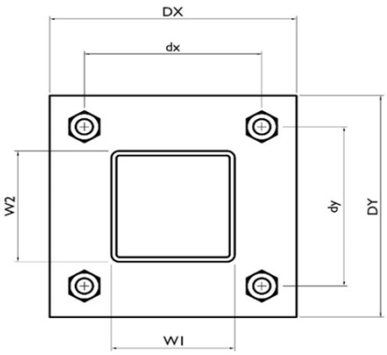
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	10/25/2023
Site Name:	OXFORD SW CT		
MDG #:	5000383390		
Fuze ID #:	17136770	Page:	1

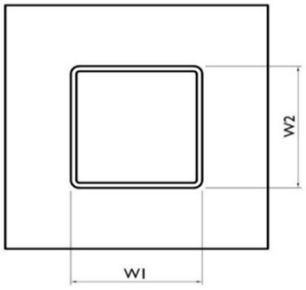
Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	7
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	4.3
Required Shear Strength / bolt (kips):	0.6
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	**20.6%**



Tower Connection Baseplate Checks	Yes
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	10
Plate Height, D_y (in):	10
W1(in):	4
W2 (in):	4
Member Thickness (in):	0.25
Stiffener location a_1 (in):	
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.5
Length of Yield Line, L_y (in):	7.75
Bolt Eccentricity, e (in):	2.35
M_u (kip-in):	10.02
Phi*M_n (kip-in):	15.69
Plate Bending Utilization:	**63.9%**



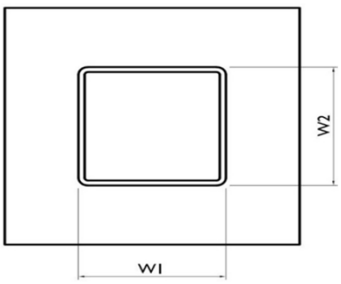
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	10/25/2023
Site Name:	OXFORD SW CT		
PSLC #:	5000383390		
Fuze ID #:	17136770	Page:	2

Version 1.01

Tower Connection Weld Checks	Yes

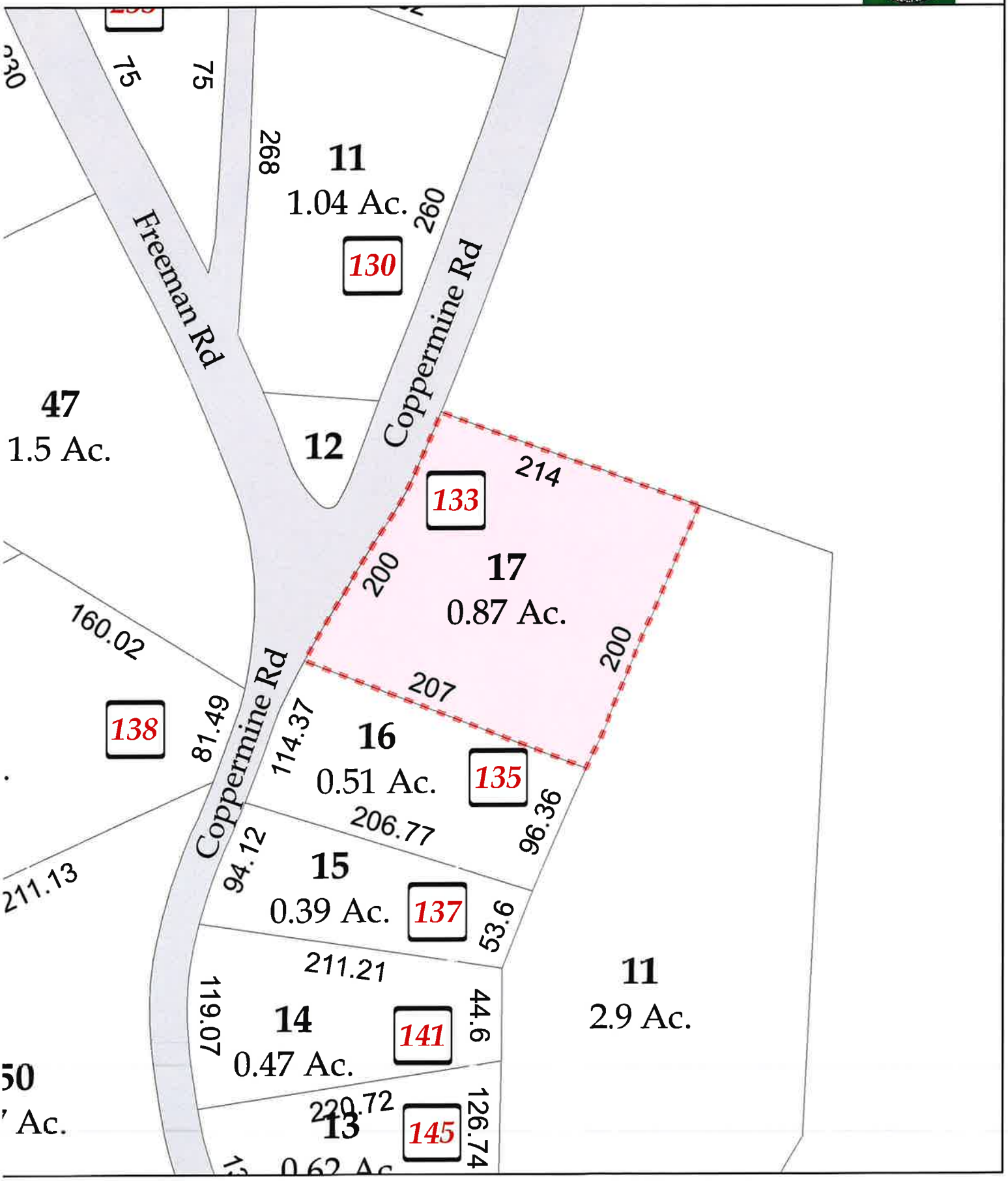
Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Weld Size (1/16 in):	5
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2.25
c_y (in)	2.25
Required combined strength (kip/in):	1.87
Weld Capacity (kip/in):	6.96
Weld Utilization:	**26.9%**



ATTACHMENT 4

Town of Oxford, Connecticut - Assessment Parcel Map

Parcel: 12-51-17 **Location:** 133 COPPERMINE RD



Approximate Scale: 1 inch = 100 feet

0 50 100 150 200 Feet

Map Produced: February 2021

Disclaimer: This map is for informational purposes only All information is subject to verification by any user. The Town of Oxford and its mapping contractors assume no legal responsibility for the information contained herein.

133 COPPERMINE RD

Sales | Print | Field Card | Map It

Location	133 COPPERMINE RD	**Mblu**	12/ 51/ 17/ /
Acct#	00416500	**Owner**	OXFORD TOWN OF
Assessment	$181,100	**Appraisal**	$258,700
PID	2932	**Building Count**	1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2020	$0	$258,700	$258,700
Assessment			
Valuation Year	Improvements	Land	Total
2020	$0	$181,100	$181,100

Owner of Record

Owner	OXFORD TOWN OF	**Sale Price**	$0
Co-Owner		**Book & Page**	36/ 103
Address	486 OXFORD RD OXFORD, CT 06478	**Sale Date**	10/01/2010

ATTACHMENT 5

Verizon/Oxford SW

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	2	2	neopost 11/06/2023 US POSTAGE $003.19 ZIP 06103 041L12203937
	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.	George Temple, First Selectman Town of Oxford 486 Oxford Road Oxford, CT 06478				
2.	Steven Macary, Zoning Enforcement Officer Town of Oxford 486 Oxford Road Oxford, CT 06478				
3.					
4.					
5.					
6.					

HARTFORD, CT 06103 OLD STATE HOUSE POST OFFICE NOV - 6 2023