Robinson+Cole

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October 30, 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**
106 Willenbrock 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 and related equipment on the ground, near the base of the tower. The tower was approved by the Town of Oxford in October of 2000. Cellco's shared use of the tower was approved by the Siting Council ("Council") in April of 2001 (TS-VER-108-010327). A copy of the Town's original tower approval and Council's tower share 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 antenna 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. A copy of this letter is also being sent to the owner of the Property.

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

1. The proposed modifications will not result in an increase in the height of the existing tower. The Filters will be installed on Cellco's existing antenna 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 tower, 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, Oxford First Selectman
Steven Macary, Zoning Enforcement Officer
Tower Business Park LLC, Property Owner
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

CT 3109-5

TOWN OF OXFORD

S.B. CHURCH MEMORIAL TOWN HALL

486 OXFORD ROAD, OXFORD, CONNECTICUT 06478

PLANNING & ZONING COMMISSION

October 10, 2000

Mr. Thomas Flynn, III
SBA, Inc.
80 Eastern Boulevard
Glastonbury, CT 06033

Re: Z-00-124 SBA, Inc./Sprint PCS (S/E - Wireless Telecommunication Facility)

Dear Mr. Flynn:

At the Planning & Zoning Commission meeting of 10/5/00, approval of the above-referenced application came with the following motion:

MOTION was made by Vincent Vizzo and seconded by John Barnes to approve Application Z-00-124 SBA, Inc. (as amended with new co-applicant Sprint PCS on Lot 5 Willenbrock Road). Applicant and their assigns must comply with all representations made at P&Z Commission meetings and public hearings regarding this application. They must also comply with all contracted planner comments. An amount for a completion bond and dismantling bond will be sent by P&Z Engineer in a form acceptable to Town Counsel. Mr. Flynn will provide the P&Z Engineer with bond amounts they have pre-calculated, as a courtesy. No material will be substituted without approval from the P&Z Commission and P&Z Engineer. Per Article 3, Section 19.9 of the Zoning Regulations, the applicant shall be responsible for rendering payment for any outside experts the Commission assigns to review this application. Reason for approval is that is meets the Oxford Zoning Regulations in effect as of this date. All were in favor.

Your copies of the approved permit are enclosed. If you have any questions, please contact me.

Sincerely,

Dave Robinson

Dave Robinson, Chairman
Planning & Zoning Commission

DR/ikc

Enclosure

Certified/Return Receipt

April 16, 2001

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

RE: **TS-VER-108-010327** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 106 Willenbrock Road, Oxford, Connecticut.

Dear Ms. Carter:

At a public meeting held April 12, 2001, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

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

The proposed shared use is to be implemented as specified in your letter dated March 26, 2001.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/laf

c: Honorable Paul T. Schreiber, First Selectman, Town of Oxford
Dave Robinson, Planning & Zoning Chairman, Town of Oxford
Esther McNany, SBA, Inc.
Stephen J. Humes, Esq., LeBoeuf, Lamb, Greene & MacRae

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

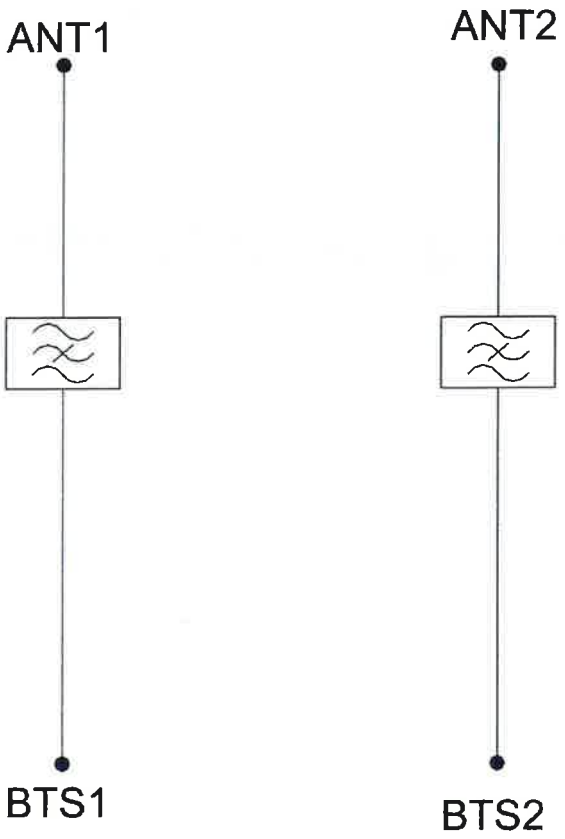
MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm | 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg | 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter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

ORDERING INFORMATION

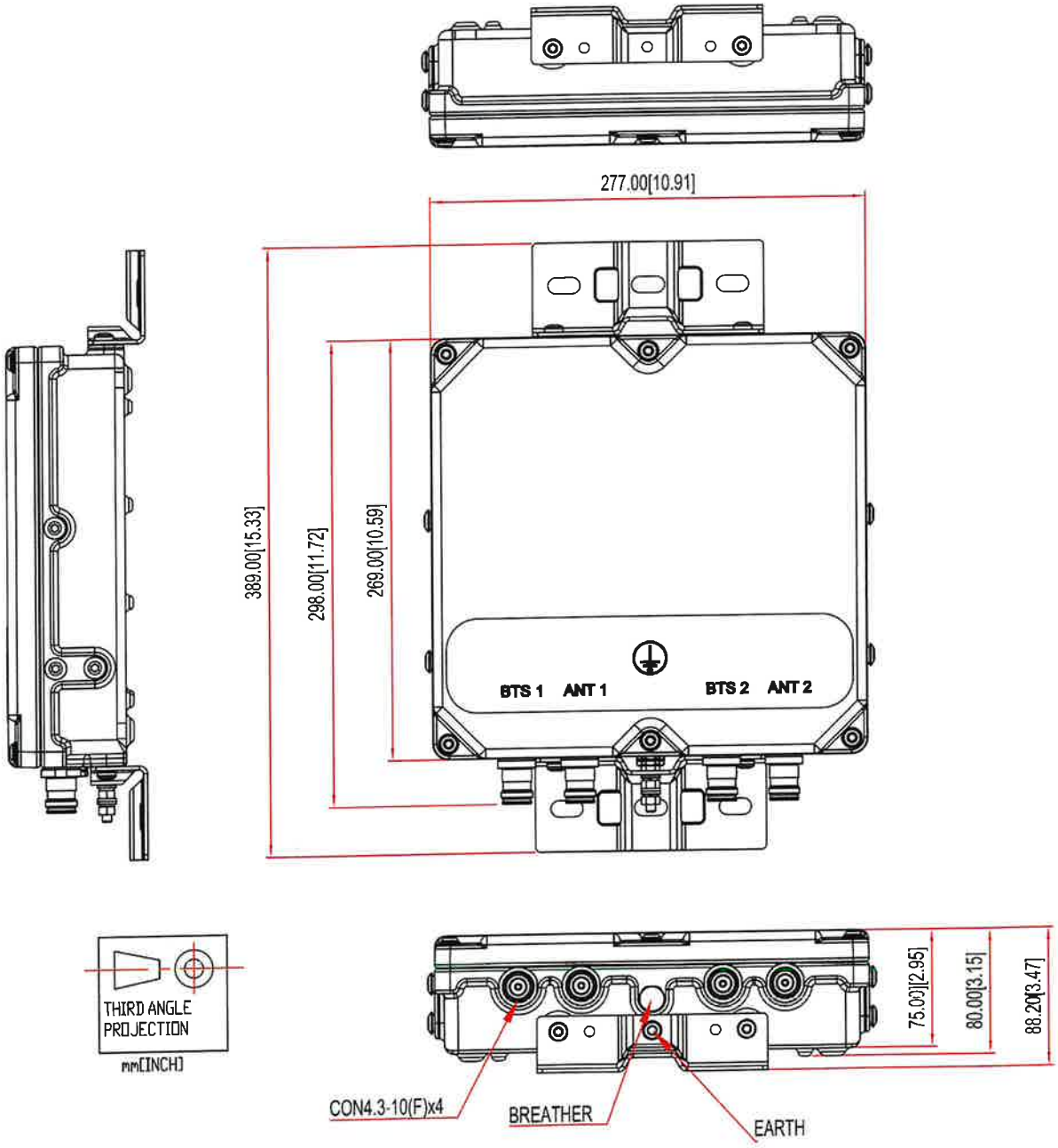
PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
KA-6030-2032	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)

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

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3

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

T + 561 995 7670
F + 561 995 7626

sbasite.com

Structural Analysis Report

Client: Verizon

Client Site ID / Name: 5000382570 / Southford_CT
Application #: 237237, v1

SBA Site ID / Name: CT03109-S / Oxford 3, CT

150 ft Monopole

106 Willenbrock Road
Oxford, Connecticut 06478
Lat: 41.465106, Long: -73.146556

Project number: CT03109-VZW-100523

Analysis Results

Tower	40.5%	Pass
Foundation	31.0%	Pass

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

Prepared by:

Mojdeh Sadeghzadeh

October 5, 2023

STATE OF CONNECTICUT
JARRYD TIBBETTS
No. 34170
LICENSED
PROFESSIONAL ENGINEER

10/6/2023

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 150 ft Monopole to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document
Tower design/drawings	Paul J. Ford, Job No. 29200-1055, dated 07/19/2000.
Foundation drawings	Paul J. Ford, Job No. 29200-1055, dated 08/07/2000
Geotechnical report	JGI, Project No. 00248G, dated 07/14/2000
Carrier MA	Colliers Engineering & Design CT, P.C. Project No.23777294, dated 09/27/2023
Latest SA	TES, Project No.119249, dated 11/16/2021.

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut / New Haven / Oxford
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 CSBC
Ultimate Wind Speed (3-Sec gust)	117.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.00"
Risk Category	II
Exposure Category	C
Topographic Category	1
Crest Height	0 ft
Ground Elevation	553.80 ft.
Seismic Parameter S_s	0.198
Seismic Parameter 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.

Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	147.0	3	Ericsson AIR32 KRD901146-1_B66A_B2A (Octo) - Panel	(1) Modified Low Profile Platform W/ (1) MS-HRECP-35 (SUPPORT RAIL PIPE W/ END CONNECTION KIT)	(3) 2" Hybrid	T-Mobile Sprint
2		3	RFS APXVAALL24_43-U-NA20 - Panel			
3		3	Ericsson AIR6449 B41 - Panel			
4		4	RFS ACU-A20-N RET			
5		3	Ericsson 4415 B25 RRU			
6		3	ALU 800 MHz RRH			
7		3	Ericsson 4449 B71 + B85 RRU			
8		3	ALU 800 MHz Filter			
-	137.0	3	Antel BXA-70063-6CF-EDIN-5 Panel	(1) Low Profile Platform w/support rail (3) Commscope BSAMNTSBS-1-2 (Mount Brackets)	(10) 1 5/8" (3) 1 5/8" Hybrid	Verizon
-		3	Samsung MT6407-77A Antenna w/ integrated radio MT6407-77A Panel			
-		6	Commscope NHH-65B-R2B Panel			
-		3	Samsung RF4439d-25A RRU			
-		3	Samsung RF4440d-13A RRU			
-		1	RFS DB-T1-6Z-8AB-0Z OVP			
-	100.0	1	Lucent KS24019-L112A GPS			
16	117.0	3	Powerwave 7770.00 - Panel	(3) Sector Mount (SitePro1 VFA12-M3-WLL)	(9) 1 5/8" (1) 2" Conduit* (1) 2" Conduit** (2) 1/2" DC (1) 3/8" Fiber	AT&T
17		3	CCI OPA65R-BU6DA - Panel			
18		3	CCI DMP65R-BU6DA - Panel			
19		6	Powerwave LGP21401			
20		3	Ericsson 4449 B5/B12			
21		3	Ericsson 8843 B25/B66A			
22		3	Ericsson RRUS 4478 B14			
23		1	Raycap DC6-48-60-18-8F			
24		1	Raycap DC9-48-60-24-PC16-EV			
26	80.0	1	GPS	(1) Side Arm	(1) 1/2"	Sprint

**Housing (2) 3/4" DC Power*
*** Housing (1) 3/4" DC Power, (1) 3/8" Fiber*

Note: AT&T loading includes FirstNET equipment

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 237237, v1 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
9	137.0	3	Antel BXA-70063-6CF-EDIN-5 - Panel	(1) Low Profile Platform w/support rail (3) Commscope BSAMNTSBS-1-2 (Mount Brackets)	(10) 1 5/8" (3) 1 5/8" Hybrid	Verizon
10		3	Samsung MT6407-77A Antenna w/ integrated radio MT6407-77A Panel			
11		6	Commscope NHH-65B-R2B - Panel			
12		3	Samsung RF4439d-25A RRU			
13		3	Samsung RF4440d-13A RRU			
14		2	Kaelus KA-6030 Filter			
15		1	RFS DB-T1-6Z-8AB-0Z OVP			
25	100.0	1	Lucent KS24019-L112A GPS			

Analysis Results

Tower

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

Table 5 Tower Analysis Summary

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	37.3%	32.4%	40.5%
Pass/Fail	Pass	Pass	Pass

Foundation

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

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result
Foundation	31.0%	Pass

Conclusions

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

Installation Requirements

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

Assumptions and Limitations

Assumptions

This analysis was completed based on the following assumptions:

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

Limitations

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

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

Appendix

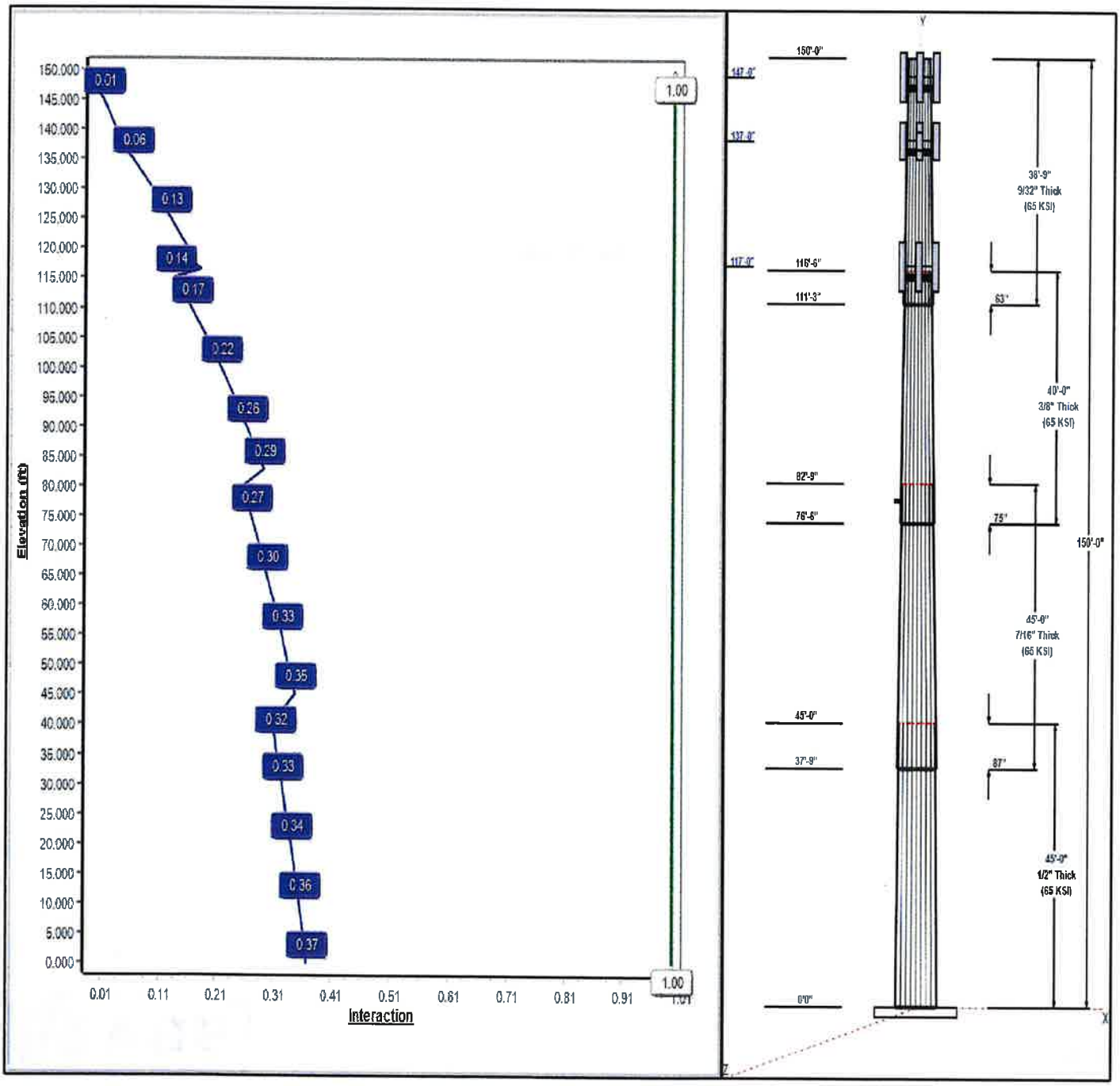
Usage Diagram - Max Ratio 37.28% at 0.0ft

Structure:	CT03109-S	**Code:**	EIA/TIA-222-H	10/5/2023
Site Name:	Oxford 3, CT	**Exposure:**	C	
Height:	150.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

SBA

Dead Load Factor:	1.20	**Iterations:**	20
Wind Load Factor:	1.00		

Load Case : 1.2D + 1.0W 117 mph Wind



Structure: CT03109-S

Type: Tapered
Site Name: Oxford 3, CT
Height: 150.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.25370

10/5/2023

SBA

Shaft Properties

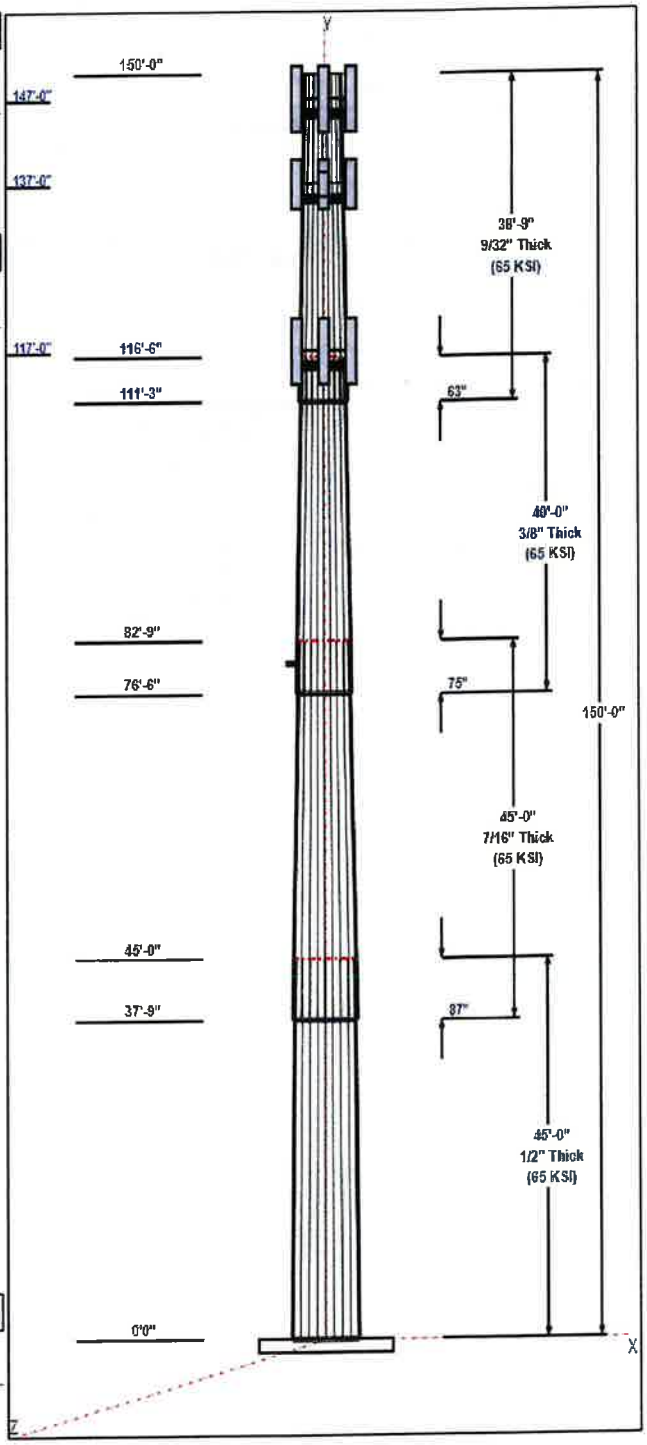
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	45.00	55.55	66.97	0.500		0.25370	65
2	45.00	46.85	58.27	0.438	Slip	0.25370	65
3	40.00	39.04	49.19	0.375	Slip	0.25370	65
4	38.75	31.10	40.93	0.281	Slip	0.25370	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
147.00	147.00	3	AIR32	T-Mobile Sprint
147.00	147.00	3	APXVAALL24_43-U-NA20	T-Mobile Sprint
147.00	147.00	3	AIR6449 B41	T-Mobile Sprint
147.00	147.00	4	ACU-A20-N	T-Mobile Sprint
147.00	147.00	3	4415 B25	T-Mobile Sprint
147.00	147.00	3	800 MHz RRH	T-Mobile Sprint
147.00	147.00	3	4449 B71 + B85	T-Mobile Sprint
147.00	147.00	3	800 MHz Filter	T-Mobile Sprint
147.00	147.00	1	MS-HRECP-35	T-Mobile Sprint
147.00	147.00	1	LP Platform	T-Mobile Sprint
147.00	147.00	9	Mount Pipes	T-Mobile Sprint
137.00	137.00	3	RF4439d-25A	Verizon
137.00	137.00	3	RF4440d-13A	Verizon
137.00	137.00	2	Kaelus KA-6030 Filter	Verizon
137.00	137.00	3	BSAMNT-SBS-1-2	Verizon
137.00	137.00	1	Platform w/Handrails	Verizon
137.00	137.00	12	Mount Pipes	Verizon
137.00	137.00	3	BXA-70063-6CF-EDIN-5	Verizon
137.00	137.00	3	MT6407-77A	Verizon
137.00	137.00	6	NHH-65B-R2B	Verizon
137.00	137.00	1	DB-T1-6Z-8AB-0Z	Verizon
117.00	117.00	3	OPA65R-BU6DA	AT&T
117.00	117.00	3	DMP65R-BU6DA	AT&T
117.00	117.00	6	LGP21401	AT&T
117.00	117.00	3	4449 B5/B12	AT&T
117.00	117.00	3	8843 B25/B66A	AT&T
117.00	117.00	3	RRUS 4478 B14	AT&T
117.00	117.00	1	DC6-48-60-18-8F	AT&T
117.00	117.00	1	DC9-48-60-24-PC16-EV	AT&T
117.00	117.00	3	7770.00	AT&T
117.00	117.00	3	VFA12-M3-WLL (Sector	AT&T
117.00	117.00	15	mount pipes (2.875"x10')	AT&T
100.00	100.00	1	Lucent KS24019-L112A	Verizon
80.00	80.00	1	GPS	Sprint
80.00	80.00	1	Side Arm	Sprint

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	150.00	Outside	Safety Cable	
0.00	150.00	Outside	Step bolts (ladder)	
0.00	147.00	Inside	2" Hybrid	T-Mobile Sprint
0.00	137.00	Inside	1 5/8" Coax	Verizon
0.00	137.00	Inside	1 5/8" Hybrid	Verizon
0.00	117.00	Inside	1 5/8" Coax	AT&T
0.00	117.00	Inside	1/2" DC	AT&T



0.00	117.00	Inside	2" Conduit	AT&T
0.00	117.00	Inside	3/8" Fiber	AT&T
0.00	80.00	Inside	1/2" Coax	Sprint

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
28	2.25" 18J	75.0	Cluster

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.0000	77.0	55.0	Clipped

Reactions

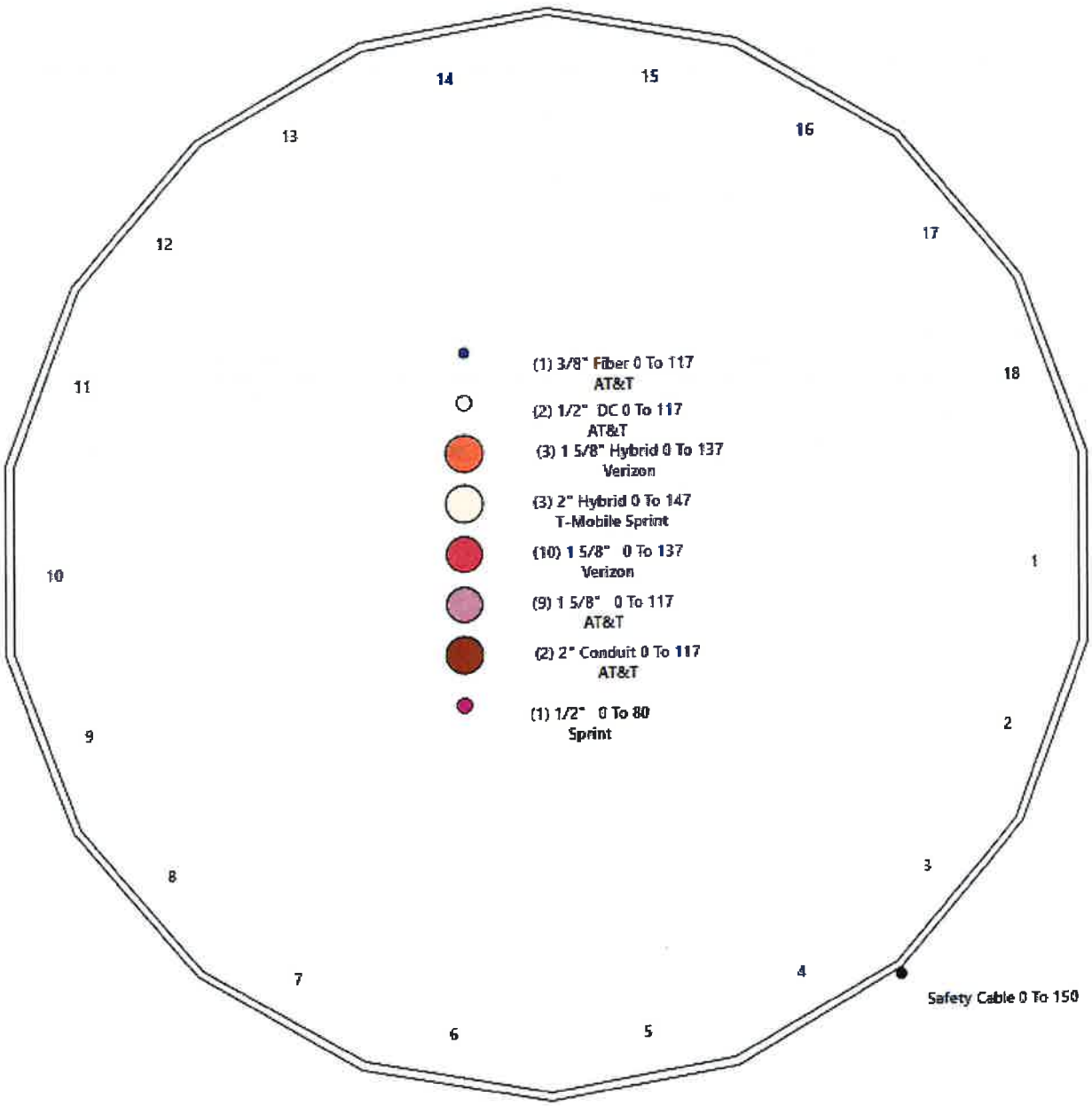
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 117 mph Wind	3554.7	34.4	64.0
0.9D + 1.0W 117 mph Wind	3534.6	34.4	48.0
1.2D + 1.0Di + 1.0Wi 50 mph Wind	982.0	9.7	85.6
1.2D + 1.0Ev + 1.0Eh	169.3	1.3	66.3
0.9D + 1.0Ev + 1.0Eh	168.9	1.3	50.3
1.0D + 1.0W 60 mph Wind	833.4	8.1	53.4

Structure: CT03109-S - Coax Line Placement

Type: Monopole
Site Name: Oxford 3, CT
Height: 150.00 (ft)

10/5/2023

SBA



Shaft Properties

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	45.000	0.5000	65		0.00	14,765
2	18	45.000	0.4375	65	Slip	87.00	11,083
3	18	40.000	0.3750	65	Slip	75.00	7,086
4	18	38.750	0.2813	65	Slip	63.00	4,207
					Total Shaft Weight:		**37,140**

	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	66.97	0.00	105.4	58883.20	22.21	133.94	55.55	45.00	87.37	33455.8	18.18	111.1	0.253697
2	58.27	37.75	80.30	33930.60	22.07	133.18	46.85	82.75	64.45	17541.6	17.47	107.0	0.253697
3	49.19	76.50	58.10	17488.78	21.72	131.17	39.04	116.50	46.02	8691.70	16.95	104.1	0.253697
4	40.93	111.2	36.30	7578.36	24.25	145.52	31.10	150.00	27.52	3302.81	18.09	110.5	0.253697

Load Summary

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1	147.00	AIR32 KRD901146-1_B66A_B2A	3	132.20	6.51	0.87	246.73	7.239	0.87	0.00	0.00
2	147.00	APXVAALL24_43-U-NA20	3	99.00	20.24	0.73	371.76	21.488	0.73	0.00	0.00
3	147.00	AIR6449 B41	3	103.00	5.65	0.71	194.23	6.282	0.71	0.00	0.00
4	147.00	ACU-A20-N	4	1.00	0.14	0.67	3.86	0.337	0.67	0.00	0.00
5	147.00	4415 B25	3	46.30	1.86	0.72	83.06	2.221	0.72	0.00	0.00
6	147.00	800 MHz RRH	3	53.00	2.40	0.67	95.54	3.145	0.67	0.00	0.00
7	147.00	4449 B71 + B85	3	75.00	1.97	0.67	114.36	2.349	0.67	0.00	0.00
8	147.00	800 MHz Filter	3	8.80	0.78	0.50	20.54	1.210	0.50	0.00	0.00
9	147.00	MS-HRECP-35	1	514.00	12.25	1.00	919.84	20.215	1.00	0.00	0.00
10	147.00	LP Platform	1	2100.00	18.38	1.00	3319.19	28.624	1.00	0.00	0.00
11	147.00	Mount Pipes	9	30.00	1.27	1.00	47.42	1.978	1.00	0.00	0.00
12	137.00	RF4439d-25A	3	74.70	1.87	0.84	108.08	2.229	0.85	0.00	0.00
13	137.00	RF4440d-13A	3	70.33	1.87	0.80	102.80	2.229	0.82	0.00	0.00
14	137.00	Kaelus KA-6030 Filter	2	17.60	0.96	0.65	32.98	1.222	0.68	0.00	0.00
15	137.00	BSAMNT-SBS-1-2	3	25.20	0.20	1.00	39.73	0.306	1.00	0.00	0.00
16	137.00	Platform w/Handrails	1	1704.00	18.90	1.00	2686.34	29.360	1.00	0.00	0.00
17	137.00	Mount Pipes	12	30.00	1.19	1.00	47.29	1.849	1.00	0.00	0.00
18	137.00	BXA-70063-6CF-EDIN-5	3	17.00	7.57	0.77	128.25	8.377	0.79	0.00	0.00
19	137.00	MT6407-77A	3	87.10	4.71	0.70	161.33	5.307	0.71	0.00	0.00
20	137.00	NHH-65B-R2B	6	43.65	8.05	0.83	168.76	8.878	0.84	0.00	0.00
21	137.00	DB-T1-6Z-8AB-0Z	1	44.00	4.80	1.00	120.06	5.360	1.00	0.00	0.00
22	117.00	OPA65R-BU6DA	3	69.00	11.20	0.89	241.88	12.283	0.89	0.00	0.00
23	117.00	DMP65R-BU6DA	3	79.40	12.71	0.72	270.94	13.662	0.72	0.00	0.00
24	117.00	LGP21401	6	14.10	1.29	0.50	30.36	1.833	0.50	0.00	0.00
25	117.00	4449 B5/B12	3	71.00	1.97	0.67	105.71	2.326	0.67	0.00	0.00
26	117.00	8843 B25/B66A	3	72.00	1.64	0.67	102.46	1.963	0.67	0.00	0.00
27	117.00	RRUS 4478 B14	3	59.40	1.65	0.67	86.37	1.987	0.67	0.00	0.00
28	117.00	DC6-48-60-18-8F	1	31.80	0.92	1.00	72.00	1.205	1.00	0.00	0.00
29	117.00	DC9-48-60-24-PC16-EV	1	26.20	1.14	1.00	95.13	2.172	1.00	0.00	0.00
30	117.00	7770.00	3	35.00	5.50	0.73	116.01	6.177	0.73	0.00	0.00
31	117.00	VFA12-M3-WLL (Sector Frame)	3	658.00	18.58	0.75	1076.20	33.763	0.75	0.00	0.00
32	117.00	mount pipes (2.875"x10')	15	60.00	2.30	1.00	98.13	4.179	1.00	0.00	0.00
33	100.00	Lucent KS24019-L112A GPS	1	5.00	0.14	1.00	8.48	0.261	1.00	0.00	0.00
34	80.00	GPS	1	4.00	0.91	1.00	19.79	1.539	1.00	0.00	0.00
35	80.00	Side Arm	1	120.00	4.50	1.00	185.56	7.784	1.00	0.00	0.00
		Totals:	**120**	**11,970.99**			**22,166.75**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	150.00	(1) Safety Cable	0.38	Outside
0.00	150.00	(2) Step bolts (ladder)	0.63	Outside
0.00	147.00	(3) 2" Hybrid	0.00	Inside
0.00	137.00	(10) 1 5/8" Coax	0.00	Inside
0.00	137.00	(3) 1 5/8" Hybrid	0.00	Inside
0.00	117.00	(9) 1 5/8" Coax	0.00	Inside

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
0.00	117.00	(2) 1/2" DC			0.00	Inside					
0.00	117.00	(2) 2" Conduit			0.00	Inside					
0.00	117.00	(1) 3/8" Fiber			0.00	Inside					
0.00	80.00	(1) 1/2" Coax			0.00	Inside					

Shaft Section Properties

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

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		0.5000	66.970	105.484	58883.2	22.21	133.94	75.3	1731.	0.0
5.00		0.5000	65.702	103.471	55576.0	21.76	131.40	75.8	1666.	1777.6
10.00		0.5000	64.433	101.458	52395.0	21.31	128.87	76.3	1601.	1743.3
15.00		0.5000	63.165	99.445	49337.8	20.86	126.33	76.9	1538.	1709.1
20.00		0.5000	61.896	97.432	46401.9	20.42	123.79	77.4	1476.	1674.8
25.00		0.5000	60.628	95.419	43584.8	19.97	121.26	77.9	1415.	1640.6
30.00		0.5000	59.359	93.406	40884.1	19.52	118.72	78.4	1356.	1606.3
35.00		0.5000	58.091	91.393	38297.4	19.08	116.18	79.0	1298.	1572.1
37.75	Bot - Section 2	0.5000	57.393	90.286	36922.3	18.83	114.79	79.3	1267.	850.0
40.00		0.5000	56.822	89.380	35822.1	18.63	113.64	79.5	1241.	1299.6
45.00	Top - Section 1	0.4375	56.429	77.748	30795.0	21.33	128.98	0.0	0.0	2841.4
50.00		0.4375	55.160	75.986	28749.0	20.82	126.08	76.9	1026.	1307.8
55.00		0.4375	53.892	74.225	26795.8	20.31	123.18	77.5	979.3	1277.8
60.00		0.4375	52.623	72.464	24933.1	19.80	120.28	78.1	933.2	1247.9
65.00		0.4375	51.355	70.702	23158.8	19.29	117.38	78.7	888.2	1217.9
70.00		0.4375	50.086	68.941	21470.7	18.78	114.48	79.3	844.3	1187.9
75.00		0.4375	48.818	67.180	19866.7	18.26	111.58	79.9	801.5	1158.0
76.50	Bot - Section 3	0.4375	48.437	66.651	19401.6	18.11	110.71	80.1	788.9	341.5
80.00		0.4375	47.549	65.418	18344.6	17.75	108.68	80.5	759.9	1472.1
82.75	Top - Section 2	0.3750	47.602	56.209	15839.2	20.97	126.94	0.0	0.0	1137.5
85.00		0.3750	47.031	55.530	15271.8	20.70	125.42	77.0	639.6	427.8
90.00		0.3750	45.762	54.020	14059.7	20.11	122.03	77.8	605.1	931.9
95.00		0.3750	44.494	52.510	12913.5	19.51	118.65	78.5	571.6	906.3
100.00		0.3750	43.225	51.001	11831.4	18.91	115.27	79.2	539.1	880.6
105.00		0.3750	41.957	49.491	10811.5	18.32	111.88	79.9	507.5	854.9
110.00		0.3750	40.688	47.981	9851.9	17.72	108.50	80.6	476.9	829.2
111.25	Bot - Section 4	0.3750	40.371	47.604	9621.2	17.57	107.66	80.7	469.4	203.3
115.00		0.3750	39.420	46.471	8950.9	17.12	105.12	81.3	447.2	1057.9
116.50	Top - Section 3	0.2813	39.602	35.106	6857.6	23.41	140.78	0.0	0.0	416.1
117.00		0.2813	39.475	34.993	6791.5	23.33	140.33	74.0	338.9	59.6
120.00		0.2813	38.714	34.313	6403.5	22.86	137.63	74.5	325.8	353.7
125.00		0.2813	37.445	33.181	5790.1	22.06	133.12	75.5	304.6	574.2
130.00		0.2813	36.177	32.048	5217.2	21.27	128.61	76.4	284.0	554.9
135.00		0.2813	34.908	30.916	4683.4	20.47	124.10	77.3	264.3	535.6
137.00		0.2813	34.401	30.463	4480.6	20.15	122.29	77.7	256.5	208.9
140.00		0.2813	33.640	29.783	4187.4	19.68	119.59	78.3	245.2	307.5
145.00		0.2813	32.371	28.651	3727.6	18.88	115.08	79.2	226.8	497.1
147.00		0.2813	31.864	28.198	3553.6	18.56	113.27	79.6	219.7	193.4
150.00		0.2813	31.103	27.518	3302.8	18.09	110.57	80.1	209.2	284.4
										37140.4

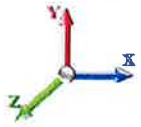
Wind Loading - Shaft

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 20

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	27.736	30.51	605.19	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	27.736	30.51	593.72	0.730	0.000	5.00	28.066	20.49	625.1	0.0	2133.1
10.00		1.00	0.85	27.736	30.51	582.26	0.730	0.000	5.00	27.530	20.10	613.1	0.0	2092.0
15.00		1.00	0.85	27.736	30.51	570.80	0.730	0.000	5.00	26.993	19.70	601.2	0.0	2050.9
20.00		1.00	0.90	29.429	32.37	576.15	0.730	0.000	5.00	26.456	19.31	625.2	0.0	2009.8
25.00		1.00	0.95	30.845	33.93	577.76	0.730	0.000	5.00	25.920	18.92	642.0	0.0	1968.7
30.00		1.00	0.98	32.052	35.26	576.63	0.730	0.000	5.00	25.383	18.53	653.3	0.0	1927.6
35.00		1.00	1.01	33.109	36.42	573.54	0.730	0.000	5.00	24.846	18.14	660.6	0.0	1886.5
37.75	Bot - Section 2	1.00	1.03	33.640	37.00	571.18	0.730	0.000	2.75	13.437	9.81	363.0	0.0	1020.1
40.00		1.00	1.04	34.053	37.46	568.96	0.730	0.000	2.25	11.039	8.06	301.9	0.0	1559.5
45.00	Top - Section 1	1.00	1.07	34.908	38.40	563.20	0.730	0.000	5.00	24.143	17.62	676.8	0.0	3409.6
50.00		1.00	1.09	35.691	39.26	565.44	0.730	0.000	5.00	23.606	17.23	676.6	0.0	1569.4
55.00		1.00	1.12	36.414	40.06	558.01	0.730	0.000	5.00	23.070	16.84	674.6	0.0	1533.4
60.00		1.00	1.14	37.087	40.80	549.89	0.730	0.000	5.00	22.533	16.45	671.1	0.0	1497.4
65.00		1.00	1.16	37.718	41.49	541.18	0.730	0.000	5.00	21.996	16.06	666.2	0.0	1461.5
70.00		1.00	1.17	38.311	42.14	531.94	0.730	0.000	5.00	21.460	15.67	660.2	0.0	1425.5
75.00		1.00	1.19	38.871	42.76	522.25	0.730	0.000	5.00	20.923	15.27	653.1	0.0	1389.6
76.50	Bot - Section 3	1.00	1.20	39.034	42.94	519.26	0.730	0.000	1.50	6.172	4.51	193.5	0.0	409.9
80.00	Appurtenance(s)	1.00	1.21	39.403	43.34	512.15	0.730	0.000	3.50	14.436	10.54	456.8	0.0	1766.5
82.75	Top - Section 2	1.00	1.22	39.684	43.65	506.43	0.730	0.000	2.75	11.158	8.15	355.6	0.0	1365.0
85.00		1.00	1.22	39.909	43.90	509.80	0.730	0.000	2.25	9.009	6.58	288.7	0.0	513.3
90.00		1.00	1.24	40.392	44.43	499.05	0.730	0.000	5.00	19.630	14.33	636.7	0.0	1118.3
95.00		1.00	1.25	40.855	44.94	487.98	0.730	0.000	5.00	19.093	13.94	626.4	0.0	1087.5
100.00	Appurtenance(s)	1.00	1.27	41.298	45.43	476.64	0.730	0.000	5.00	18.557	13.55	615.4	0.0	1056.7
105.00		1.00	1.28	41.725	45.90	465.03	0.730	0.000	5.00	18.020	13.15	603.8	0.0	1025.9
110.00		1.00	1.29	42.135	46.35	453.19	0.730	0.000	5.00	17.483	12.76	591.5	0.0	995.0
111.25	Bot - Section 4	1.00	1.29	42.236	46.46	450.19	0.730	0.000	1.25	4.287	3.13	145.4	0.0	243.9
115.00		1.00	1.30	42.532	46.78	441.12	0.730	0.000	3.75	12.838	9.37	438.5	0.0	1269.5
116.50	Top - Section 3	1.00	1.31	42.648	46.91	437.46	0.730	0.000	1.50	5.051	3.69	173.0	0.0	499.3
117.00	Appurtenance(s)	1.00	1.31	42.686	46.95	442.54	0.730	0.000	0.50	1.673	1.22	57.3	0.0	71.6
120.00		1.00	1.32	42.914	47.21	435.16	0.730	0.000	3.00	9.924	7.24	342.0	0.0	424.5
125.00		1.00	1.33	43.285	47.61	422.72	0.730	0.000	5.00	16.111	11.76	560.0	0.0	689.0
130.00		1.00	1.34	43.644	48.01	410.09	0.730	0.000	5.00	15.575	11.37	545.8	0.0	665.9
135.00		1.00	1.35	43.992	48.39	397.28	0.730	0.000	5.00	15.038	10.98	531.2	0.0	642.8
137.00	Appurtenance(s)	1.00	1.35	44.128	48.54	392.12	0.730	0.000	2.00	5.865	4.28	207.8	0.0	250.6
140.00		1.00	1.36	44.330	48.76	384.32	0.730	0.000	3.00	8.636	6.30	307.4	0.0	369.0
145.00		1.00	1.37	44.659	49.12	371.19	0.730	0.000	5.00	13.965	10.19	500.8	0.0	596.5
147.00	Appurtenance(s)	1.00	1.37	44.788	49.27	365.90	0.730	0.000	2.00	5.436	3.97	195.5	0.0	232.1
150.00		1.00	1.38	44.978	49.48	357.92	0.730	0.000	3.00	7.992	5.83	288.7	0.0	341.3
								Totals:	**150.00**			**18,425.4**		**44,568.5**

Discrete Appurtenance Forces

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 20

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	147.00	4415 B25	3	44.788	49.266	0.54	0.75	3.01	166.68	0.000	0.000	148.45	0.00	0.00
2	147.00	AIR32	3	44.788	49.266	0.65	0.75	12.74	475.92	0.000	0.000	627.82	0.00	0.00
3	147.00	APXVAALL24_43-U-NA20	3	44.788	49.266	0.55	0.75	33.24	356.40	0.000	0.000	1637.82	0.00	0.00
4	147.00	AIR6449 B41	3	44.788	49.266	0.53	0.75	9.03	370.80	0.000	0.000	444.67	0.00	0.00
5	147.00	ACU-A20-N	4	44.788	49.266	0.50	0.75	0.28	4.80	0.000	0.000	13.86	0.00	0.00
6	147.00	Mount Pipes	9	44.788	49.266	0.75	0.75	8.57	324.00	0.000	0.000	422.34	0.00	0.00
7	147.00	4449 B71 + B85	3	44.788	49.266	0.50	0.75	2.97	270.00	0.000	0.000	146.31	0.00	0.00
8	147.00	800 MHz Filter	3	44.788	49.266	0.38	0.75	0.88	31.68	0.000	0.000	43.23	0.00	0.00
9	147.00	MS-HRECP-35	1	44.788	49.266	1.00	1.00	12.25	616.80	0.000	0.000	603.51	0.00	0.00
10	147.00	LP Platform	1	44.788	49.266	1.00	1.00	18.38	2520.00	0.000	0.000	905.51	0.00	0.00
11	147.00	800 MHz RRH	3	44.788	49.266	0.50	0.75	3.62	190.80	0.000	0.000	178.25	0.00	0.00
12	137.00	BXA-70063-6CF-EDIN-5	3	44.128	48.541	0.58	0.75	13.12	61.20	0.000	0.000	636.62	0.00	0.00
13	137.00	Platform w/Handrails	1	44.128	48.541	1.00	1.00	18.90	2044.80	0.000	0.000	917.42	0.00	0.00
14	137.00	Mount Pipes	12	44.128	48.541	0.75	0.75	10.71	432.00	0.000	0.000	519.87	0.00	0.00
15	137.00	DB-T1-6Z-8AB-0Z	1	44.128	48.541	1.00	1.00	4.80	52.80	0.000	0.000	233.00	0.00	0.00
16	137.00	MT6407-77A	3	44.128	48.541	0.52	0.75	7.42	313.56	0.000	0.000	360.09	0.00	0.00
17	137.00	NHH-65B-R2B	6	44.128	48.541	0.62	0.75	30.07	314.28	0.000	0.000	1459.47	0.00	0.00
18	137.00	BSAMNT-SBS-1-2	3	44.128	48.541	1.00	1.00	0.60	90.72	0.000	0.000	29.12	0.00	0.00
19	137.00	Kaelus KA-6030 Filter	2	44.128	48.541	0.59	0.90	1.12	42.24	0.000	0.000	54.52	0.00	0.00
20	137.00	RF4440d-13A	3	44.128	48.541	0.60	0.75	3.37	253.19	0.000	0.000	163.39	0.00	0.00
21	137.00	RF4439d-25A	3	44.128	48.541	0.63	0.75	3.53	268.92	0.000	0.000	171.56	0.00	0.00
22	117.00	OPA65R-BU6DA	3	42.686	46.955	0.71	0.80	23.92	248.40	0.000	0.000	1123.31	0.00	0.00
23	117.00	DMP65R-BU6DA	3	42.686	46.955	0.58	0.80	21.96	285.84	0.000	0.000	1031.26	0.00	0.00
24	117.00	LGP21401	6	42.686	46.955	0.40	0.80	3.10	101.52	0.000	0.000	145.37	0.00	0.00
25	117.00	4449 B5/B12	3	42.686	46.955	0.54	0.80	3.17	255.60	0.000	0.000	148.74	0.00	0.00
26	117.00	8843 B25/B66A	3	42.686	46.955	0.54	0.80	2.64	259.20	0.000	0.000	123.83	0.00	0.00
27	117.00	RRUS 4478 B14	3	42.686	46.955	0.54	0.80	2.65	213.84	0.000	0.000	124.58	0.00	0.00
28	117.00	DC6-48-60-18-8F	1	42.686	46.955	1.00	1.00	0.92	38.16	0.000	0.000	43.20	0.00	0.00
29	117.00	DC9-48-60-24-PC16-EV	1	42.686	46.955	1.00	1.00	1.14	31.44	0.000	0.000	53.53	0.00	0.00
30	117.00	7770.00	3	42.686	46.955	0.58	0.80	9.64	126.00	0.000	0.000	452.46	0.00	0.00
31	117.00	VFA12-M3-WLL (Sector	3	42.686	46.955	0.56	0.75	31.35	2368.80	0.000	0.000	1472.21	0.00	0.00
32	117.00	mount pipes (2.875"x10')	15	42.686	46.955	0.80	0.80	27.60	1080.00	0.000	0.000	1295.95	0.00	0.00
33	100.00	Lucent KS24019-L112A	1	41.298	45.428	1.00	1.00	0.14	6.00	0.000	0.000	6.36	0.00	0.00
34	80.00	Side Arm	1	39.403	43.343	1.00	1.00	4.50	144.00	0.000	0.000	195.05	0.00	0.00
35	80.00	GPS	1	39.403	43.343	1.00	1.00	0.91	4.80	0.000	0.000	39.44	0.00	0.00
							Totals:		**14,365.19**			**15,972.12**		

Total Applied Force Summary

Structure:	CT03109-S		**Code:**	TIA-222-H	10/5/2023
Site Name:	Oxford 3, CT		**Exposure:**	C	
Height:	150.00 (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

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 20

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		625.10	2327.92	0.00	0.00
10.00		613.15	2286.82	0.00	0.00
15.00		601.19	2245.72	0.00	0.00
20.00		625.21	2204.62	0.00	0.00
25.00		641.99	2163.53	0.00	0.00
30.00		653.29	2122.43	0.00	0.00
35.00		660.57	2081.33	0.00	0.00
37.75		362.97	1127.21	0.00	0.00
40.00		301.87	1647.15	0.00	0.00
45.00		676.75	3604.46	0.00	0.00
50.00		676.55	1764.21	0.00	0.00
55.00		674.57	1728.25	0.00	0.00
60.00		671.06	1692.29	0.00	0.00
65.00		666.21	1656.32	0.00	0.00
70.00		660.17	1620.36	0.00	0.00
75.00		653.08	1584.40	0.00	0.00
76.50		193.46	468.31	0.00	0.00
80.00	(2) attachments	691.26	2051.68	0.00	0.00
82.75		355.57	1471.63	0.00	0.00
85.00		288.70	600.55	0.00	0.00
90.00		636.70	1312.20	0.00	0.00
95.00		626.39	1281.38	0.00	0.00
100.00	(1) attachments	621.75	1256.55	0.00	0.00
105.00		603.76	1219.73	0.00	0.00
110.00		591.54	1188.91	0.00	0.00
111.25		145.39	292.41	0.00	0.00
115.00		438.46	1414.94	0.00	0.00
116.50		172.97	557.48	0.00	0.00
117.00	(44) attachments	6071.78	5099.75	0.00	0.00
120.00		342.00	494.17	0.00	0.00
125.00		559.99	805.12	0.00	0.00
130.00		545.82	782.00	0.00	0.00
135.00		531.22	758.87	0.00	0.00
137.00	(37) attachments	4752.88	4170.78	0.00	0.00
140.00		307.43	389.36	0.00	0.00
145.00		500.78	630.43	0.00	0.00
147.00	(36) attachments	5367.25	5573.58	0.00	0.00
150.00		288.66	349.73	0.00	0.00
	Totals:	**34,397.51**	**64,026.56**	**0.00**	**0.00**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 20

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.015	0.000	27.736	0.00	1.64
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.015	0.000	27.736	0.00	12.48
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.015	0.000	27.736	0.00	1.64
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.015	0.000	27.736	0.00	12.48
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.016	0.000	27.736	0.00	1.64
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.016	0.000	27.736	0.00	12.48
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.016	0.000	29.429	0.00	1.64
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.016	0.000	29.429	0.00	12.48
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.016	0.000	30.845	0.00	1.64
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.016	0.000	30.845	0.00	12.48
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	32.052	0.00	1.64
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	32.052	0.00	12.48
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	33.109	0.00	1.64
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	33.109	0.00	12.48
37.75	Safety Cable	Yes	2.75	0.000	0.38	0.09	0.00	0.017	0.000	33.640	0.00	0.90
37.75	Step bolts (ladder)	Yes	2.75	0.000	0.63	0.14	0.00	0.017	0.000	33.640	0.00	6.86
40.00	Safety Cable	Yes	2.25	0.000	0.38	0.07	0.00	0.017	0.000	34.053	0.00	0.74
40.00	Step bolts (ladder)	Yes	2.25	0.000	0.63	0.12	0.00	0.017	0.000	34.053	0.00	5.62
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	34.908	0.00	1.64
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	34.908	0.00	12.48
50.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	35.691	0.00	1.64
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	35.691	0.00	12.48
55.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	36.414	0.00	1.64
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	36.414	0.00	12.48
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	37.087	0.00	1.64
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	37.087	0.00	12.48
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	37.718	0.00	1.64
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	37.718	0.00	12.48
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	38.311	0.00	1.64
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	38.311	0.00	12.48
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	38.871	0.00	1.64
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	38.871	0.00	12.48
76.50	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.020	0.000	39.034	0.00	0.49
76.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.020	0.000	39.034	0.00	3.74
80.00	Safety Cable	Yes	3.50	0.000	0.38	0.11	0.00	0.021	0.000	39.403	0.00	1.15
80.00	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.18	0.00	0.021	0.000	39.403	0.00	8.74
82.75	Safety Cable	Yes	2.75	0.000	0.38	0.09	0.00	0.021	0.000	39.684	0.00	0.90
82.75	Step bolts (ladder)	Yes	2.75	0.000	0.63	0.14	0.00	0.021	0.000	39.684	0.00	6.86
85.00	Safety Cable	Yes	2.25	0.000	0.38	0.07	0.00	0.021	0.000	39.909	0.00	0.74
85.00	Step bolts (ladder)	Yes	2.25	0.000	0.63	0.12	0.00	0.021	0.000	39.909	0.00	5.62
90.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	40.392	0.00	1.64
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	40.392	0.00	12.48
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	40.855	0.00	1.64
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	40.855	0.00	12.48
100.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	41.298	0.00	1.64
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	41.298	0.00	12.48
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	41.725	0.00	1.64

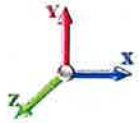
Linear Appurtenance Segment Forces (Factored)

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 20

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	41.725	0.00	12.48
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	42.135	0.00	1.64
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	42.135	0.00	12.48
111.25	Safety Cable	Yes	1.25	0.000	0.38	0.04	0.00	0.025	0.000	42.236	0.00	0.41
111.25	Step bolts (ladder)	Yes	1.25	0.000	0.63	0.07	0.00	0.025	0.000	42.236	0.00	3.12
115.00	Safety Cable	Yes	3.75	0.000	0.38	0.12	0.00	0.025	0.000	42.532	0.00	1.23
115.00	Step bolts (ladder)	Yes	3.75	0.000	0.63	0.20	0.00	0.025	0.000	42.532	0.00	9.36
116.50	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.025	0.000	42.648	0.00	0.49
116.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.025	0.000	42.648	0.00	3.74
117.00	Safety Cable	Yes	0.50	0.000	0.38	0.02	0.00	0.025	0.000	42.686	0.00	0.16
117.00	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.025	0.000	42.686	0.00	1.25
120.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.025	0.000	42.914	0.00	0.98
120.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.025	0.000	42.914	0.00	7.49
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	43.285	0.00	1.64
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	43.285	0.00	12.48
130.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	43.644	0.00	1.64
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	43.644	0.00	12.48
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	43.992	0.00	1.64
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	43.992	0.00	12.48
137.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.029	0.000	44.128	0.00	0.66
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.029	0.000	44.128	0.00	4.99
140.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.029	0.000	44.330	0.00	0.98
140.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.029	0.000	44.330	0.00	7.49
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	44.659	0.00	1.64
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	44.659	0.00	12.48
147.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	44.788	0.00	0.66
147.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	44.788	0.00	4.99
150.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.032	0.000	44.978	0.00	0.98
150.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.032	0.000	44.978	0.00	7.49
									Totals:		**0.0**	**423.5**

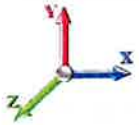
Calculated Forces

Structure: CT03109-S
Site Name: Oxford 3, CT
Height: 150.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 10/5/2023
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

Load Case: 1.2D + 1.0W 117 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00

Iterations 20



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	-64.00	-34.45	0.00	-3554.6	0.00	3554.67	7146.92	1851.25	10209.5	9777.85	0.00	0.000	0.000	0.373
5.00	-61.62	-33.91	0.00	-3382.4	0.00	3382.45	7059.53	1815.92	9823.55	9472.60	0.05	-0.084	0.000	0.366
10.00	-59.29	-33.38	0.00	-3212.9	0.00	3212.90	6970.23	1780.59	9445.03	9169.43	0.18	-0.168	0.000	0.359
15.00	-57.00	-32.85	0.00	-3046.0	0.00	3046.01	6879.02	1745.26	9073.96	8868.51	0.40	-0.253	0.000	0.352
20.00	-54.75	-32.30	0.00	-2881.7	0.00	2881.74	6785.91	1709.93	8710.32	8569.97	0.71	-0.339	0.000	0.345
25.00	-52.54	-31.72	0.00	-2720.2	0.00	2720.25	6690.89	1674.60	8354.11	8273.98	1.11	-0.424	0.000	0.337
30.00	-50.38	-31.13	0.00	-2561.6	0.00	2561.64	6593.97	1639.28	8005.34	7980.68	1.61	-0.511	0.000	0.329
35.00	-48.27	-30.50	0.00	-2406.0	0.00	2406.01	6495.14	1603.95	7664.01	7690.22	2.19	-0.597	0.000	0.321
37.75	-47.12	-30.16	0.00	-2322.1	0.00	2322.13	6439.97	1584.52	7479.45	7531.73	2.55	-0.645	0.000	0.316
40.00	-45.44	-29.89	0.00	-2254.2	0.00	2254.26	6394.40	1568.62	7330.11	7402.76	2.86	-0.685	0.000	0.312
45.00	-41.80	-29.23	0.00	-2104.8	0.00	2104.80	5339.68	1364.48	6338.69	6151.87	3.63	-0.772	0.000	0.350
50.00	-40.00	-28.60	0.00	-1958.6	0.00	1958.63	5259.83	1333.56	6054.73	5921.52	4.48	-0.858	0.000	0.339
55.00	-38.24	-27.96	0.00	-1815.6	0.00	1815.66	5178.07	1302.65	5777.29	5693.28	5.43	-0.951	0.000	0.327
60.00	-36.52	-27.31	0.00	-1675.8	0.00	1675.88	5094.41	1271.74	5506.34	5467.29	6.48	-1.044	0.000	0.314
65.00	-34.83	-26.67	0.00	-1539.3	0.00	1539.32	5008.84	1240.83	5241.91	5243.71	7.62	-1.136	0.000	0.301
70.00	-33.18	-26.03	0.00	-1405.9	0.00	1405.96	4921.36	1209.91	4983.98	5022.69	8.86	-1.226	0.000	0.287
75.00	-31.59	-25.37	0.00	-1275.8	0.00	1275.81	4831.98	1179.00	4732.56	4804.37	10.19	-1.315	0.000	0.273
76.50	-31.11	-25.19	0.00	-1237.7	0.00	1237.75	4804.80	1169.73	4658.40	4739.43	10.61	-1.342	0.000	0.268
80.00	-29.05	-24.48	0.00	-1149.5	0.00	1149.58	4740.69	1148.09	4487.65	4588.91	11.62	-1.403	0.000	0.257
82.75	-27.57	-24.11	0.00	-1082.2	0.00	1082.26	3881.85	986.47	3865.33	3771.76	12.44	-1.451	0.000	0.295
85.00	-26.95	-23.84	0.00	-1028.0	0.00	1028.01	3850.71	974.55	3772.46	3695.92	13.13	-1.489	0.000	0.286
90.00	-25.62	-23.20	0.00	-908.83	0.00	908.83	3780.12	948.05	3570.11	3528.74	14.74	-1.580	0.000	0.265
95.00	-24.32	-22.58	0.00	-792.82	0.00	792.82	3707.63	921.56	3373.34	3363.54	16.45	-1.666	0.000	0.243
100.00	-23.05	-21.95	0.00	-679.94	0.00	679.94	3633.23	895.06	3182.15	3200.48	18.23	-1.747	0.000	0.219
105.00	-21.83	-21.34	0.00	-570.19	0.00	570.19	3556.92	868.57	2996.54	3039.70	20.11	-1.822	0.000	0.194
110.00	-20.64	-20.72	0.00	-463.52	0.00	463.52	3478.71	842.07	2816.51	2881.36	22.05	-1.890	0.000	0.167
111.25	-20.34	-20.58	0.00	-437.62	0.00	437.62	3458.86	835.45	2772.37	2842.18	22.55	-1.906	0.000	0.160
115.00	-18.93	-20.10	0.00	-360.46	0.00	360.46	3398.59	815.57	2642.05	2725.61	24.07	1.951	0.000	0.138
116.50	-18.38	-19.91	0.00	-330.31	0.00	330.31	2333.72	616.11	2009.98	1889.41	24.68	-1.967	0.000	0.184
117.00	-13.49	-13.67	0.00	-320.35	0.00	320.35	2329.14	614.12	1997.03	1879.57	24.89	-1.972	0.000	0.177
120.00	-12.99	-13.32	0.00	-279.33	0.00	279.33	2301.24	602.20	1920.23	1820.74	26.14	-2.010	0.000	0.160
125.00	-12.20	-12.75	0.00	-212.71	0.00	212.71	2253.21	582.32	1795.56	1723.47	28.28	-2.065	0.000	0.129
130.00	-11.43	-12.18	0.00	-148.97	0.00	148.97	2203.28	562.44	1675.08	1627.33	30.46	-2.109	0.000	0.097
135.00	-10.69	-11.63	0.00	-88.07	0.00	88.07	2151.44	542.57	1558.79	1532.45	32.69	-2.141	0.000	0.063
137.00	-6.69	-6.72	0.00	-64.82	0.00	64.82	2130.17	534.62	1513.44	1494.89	33.59	-2.151	0.000	0.047
140.00	-6.32	-6.40	0.00	-44.66	0.00	44.66	2097.70	522.69	1446.67	1438.99	34.95	-2.161	0.000	0.034
145.00	-5.70	-5.88	0.00	-12.66	0.00	12.66	2042.04	502.82	1338.74	1347.10	37.22	-2.171	0.000	0.012
147.00	-0.34	-0.30	0.00	-0.91	0.00	0.91	2019.25	494.87	1296.74	1310.82	38.13	-2.172	0.000	0.001
150.00	0.00	-0.29	0.00	0.00	0.00	0.00	1984.48	482.94	1235.00	1256.93	39.49	-2.172	0.000	0.000

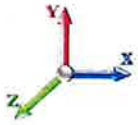
Wind Loading - Shaft

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 20

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	27.736	30.51	605.19	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	27.736	30.51	593.72	0.730	0.000	5.00	28.066	20.49	625.1	0.0	1599.8
10.00		1.00	0.85	27.736	30.51	582.26	0.730	0.000	5.00	27.530	20.10	613.1	0.0	1569.0
15.00		1.00	0.85	27.736	30.51	570.80	0.730	0.000	5.00	26.993	19.70	601.2	0.0	1538.2
20.00		1.00	0.90	29.429	32.37	576.15	0.730	0.000	5.00	26.456	19.31	625.2	0.0	1507.3
25.00		1.00	0.95	30.845	33.93	577.76	0.730	0.000	5.00	25.920	18.92	642.0	0.0	1476.5
30.00		1.00	0.98	32.052	35.26	576.63	0.730	0.000	5.00	25.383	18.53	653.3	0.0	1445.7
35.00		1.00	1.01	33.109	36.42	573.54	0.730	0.000	5.00	24.846	18.14	660.6	0.0	1414.9
37.75	Bot - Section 2	1.00	1.03	33.640	37.00	571.18	0.730	0.000	2.75	13.437	9.81	363.0	0.0	765.0
40.00		1.00	1.04	34.053	37.46	568.96	0.730	0.000	2.25	11.039	8.06	301.9	0.0	1169.6
45.00	Top - Section 1	1.00	1.07	34.908	38.40	563.20	0.730	0.000	5.00	24.143	17.62	676.8	0.0	2557.2
50.00		1.00	1.09	35.691	39.26	565.44	0.730	0.000	5.00	23.606	17.23	676.6	0.0	1177.0
55.00		1.00	1.12	36.414	40.06	558.01	0.730	0.000	5.00	23.070	16.84	674.6	0.0	1150.1
60.00		1.00	1.14	37.087	40.80	549.89	0.730	0.000	5.00	22.533	16.45	671.1	0.0	1123.1
65.00		1.00	1.16	37.718	41.49	541.18	0.730	0.000	5.00	21.996	16.06	666.2	0.0	1096.1
70.00		1.00	1.17	38.311	42.14	531.94	0.730	0.000	5.00	21.460	15.67	660.2	0.0	1069.1
75.00		1.00	1.19	38.871	42.76	522.25	0.730	0.000	5.00	20.923	15.27	653.1	0.0	1042.2
76.50	Bot - Section 3	1.00	1.20	39.034	42.94	519.26	0.730	0.000	1.50	6.172	4.51	193.5	0.0	307.4
80.00	Appurtenance(s)	1.00	1.21	39.403	43.34	512.15	0.730	0.000	3.50	14.436	10.54	456.8	0.0	1324.9
82.75	Top - Section 2	1.00	1.22	39.684	43.65	506.43	0.730	0.000	2.75	11.158	8.15	355.6	0.0	1023.7
85.00		1.00	1.22	39.909	43.90	509.80	0.730	0.000	2.25	9.009	6.58	288.7	0.0	385.0
90.00		1.00	1.24	40.392	44.43	499.05	0.730	0.000	5.00	19.630	14.33	636.7	0.0	838.7
95.00		1.00	1.25	40.855	44.94	487.98	0.730	0.000	5.00	19.093	13.94	626.4	0.0	815.6
100.00	Appurtenance(s)	1.00	1.27	41.298	45.43	476.64	0.730	0.000	5.00	18.557	13.55	615.4	0.0	792.5
105.00		1.00	1.28	41.725	45.90	465.03	0.730	0.000	5.00	18.020	13.15	603.8	0.0	769.4
110.00		1.00	1.29	42.135	46.35	453.19	0.730	0.000	5.00	17.483	12.76	591.5	0.0	746.3
111.25	Bot - Section 4	1.00	1.29	42.236	46.46	450.19	0.730	0.000	1.25	4.287	3.13	145.4	0.0	183.0
115.00		1.00	1.30	42.532	46.78	441.12	0.730	0.000	3.75	12.838	9.37	438.5	0.0	952.1
116.50	Top - Section 3	1.00	1.31	42.648	46.91	437.46	0.730	0.000	1.50	5.051	3.69	173.0	0.0	374.5
117.00	Appurtenance(s)	1.00	1.31	42.686	46.95	442.54	0.730	0.000	0.50	1.673	1.22	57.3	0.0	53.7
120.00		1.00	1.32	42.914	47.21	435.16	0.730	0.000	3.00	9.924	7.24	342.0	0.0	318.4
125.00		1.00	1.33	43.285	47.61	422.72	0.730	0.000	5.00	16.111	11.76	560.0	0.0	516.7
130.00		1.00	1.34	43.644	48.01	410.09	0.730	0.000	5.00	15.575	11.37	545.8	0.0	499.4
135.00		1.00	1.35	43.992	48.39	397.28	0.730	0.000	5.00	15.038	10.98	531.2	0.0	482.1
137.00	Appurtenance(s)	1.00	1.35	44.128	48.54	392.12	0.730	0.000	2.00	5.865	4.28	207.8	0.0	188.0
140.00		1.00	1.36	44.330	48.76	384.32	0.730	0.000	3.00	8.636	6.30	307.4	0.0	276.8
145.00		1.00	1.37	44.659	49.12	371.19	0.730	0.000	5.00	13.965	10.19	500.8	0.0	447.4
147.00	Appurtenance(s)	1.00	1.37	44.788	49.27	365.90	0.730	0.000	2.00	5.436	3.97	195.5	0.0	174.1
150.00		1.00	1.38	44.978	49.48	357.92	0.730	0.000	3.00	7.992	5.83	288.7	0.0	255.9
								Totals:	**150.00**			**18,425.4**		**33,426.4**

Discrete Appurtenance Forces

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00

Iterations 20

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	147.00	4415 B25	3	44.788	49.266	0.54	0.75	3.01	125.01	0.000	0.000	148.45	0.00	0.00
2	147.00	AIR32	3	44.788	49.266	0.65	0.75	12.74	356.94	0.000	0.000	627.82	0.00	0.00
3	147.00	APXVAALL24_43-U-NA20	3	44.788	49.266	0.55	0.75	33.24	267.30	0.000	0.000	1637.82	0.00	0.00
4	147.00	AIR6449 B41	3	44.788	49.266	0.53	0.75	9.03	278.10	0.000	0.000	444.67	0.00	0.00
5	147.00	ACU-A20-N	4	44.788	49.266	0.50	0.75	0.28	3.60	0.000	0.000	13.86	0.00	0.00
6	147.00	Mount Pipes	9	44.788	49.266	0.75	0.75	8.57	243.00	0.000	0.000	422.34	0.00	0.00
7	147.00	4449 B71 + B85	3	44.788	49.266	0.50	0.75	2.97	202.50	0.000	0.000	146.31	0.00	0.00
8	147.00	800 MHz Filter	3	44.788	49.266	0.38	0.75	0.88	23.76	0.000	0.000	43.23	0.00	0.00
9	147.00	MS-HRECP-35	1	44.788	49.266	1.00	1.00	12.25	462.60	0.000	0.000	603.51	0.00	0.00
10	147.00	LP Platform	1	44.788	49.266	1.00	1.00	18.38	1890.00	0.000	0.000	905.51	0.00	0.00
11	147.00	800 MHz RRH	3	44.788	49.266	0.50	0.75	3.62	143.10	0.000	0.000	178.25	0.00	0.00
12	137.00	BXA-70063-6CF-EDIN-5	3	44.128	48.541	0.58	0.75	13.12	45.90	0.000	0.000	636.62	0.00	0.00
13	137.00	Platform w/Handrails	1	44.128	48.541	1.00	1.00	18.90	1533.60	0.000	0.000	917.42	0.00	0.00
14	137.00	Mount Pipes	12	44.128	48.541	0.75	0.75	10.71	324.00	0.000	0.000	519.87	0.00	0.00
15	137.00	DB-T1-6Z-8AB-0Z	1	44.128	48.541	1.00	1.00	4.80	39.60	0.000	0.000	233.00	0.00	0.00
16	137.00	MT6407-77A	3	44.128	48.541	0.52	0.75	7.42	235.17	0.000	0.000	360.09	0.00	0.00
17	137.00	NHH-65B-R2B	6	44.128	48.541	0.62	0.75	30.07	235.71	0.000	0.000	1459.47	0.00	0.00
18	137.00	BSAMNT-SBS-1-2	3	44.128	48.541	1.00	1.00	0.60	68.04	0.000	0.000	29.12	0.00	0.00
19	137.00	Kaelus KA-6030 Filter	2	44.128	48.541	0.59	0.90	1.12	31.68	0.000	0.000	54.52	0.00	0.00
20	137.00	RF4440d-13A	3	44.128	48.541	0.60	0.75	3.37	189.89	0.000	0.000	163.39	0.00	0.00
21	137.00	RF4439d-25A	3	44.128	48.541	0.63	0.75	3.53	201.69	0.000	0.000	171.56	0.00	0.00
22	117.00	OPA65R-BU6DA	3	42.686	46.955	0.71	0.80	23.92	186.30	0.000	0.000	1123.31	0.00	0.00
23	117.00	DMP65R-BU6DA	3	42.686	46.955	0.58	0.80	21.96	214.38	0.000	0.000	1031.26	0.00	0.00
24	117.00	LGP21401	6	42.686	46.955	0.40	0.80	3.10	76.14	0.000	0.000	145.37	0.00	0.00
25	117.00	4449 B5/B12	3	42.686	46.955	0.54	0.80	3.17	191.70	0.000	0.000	148.74	0.00	0.00
26	117.00	8843 B25/B66A	3	42.686	46.955	0.54	0.80	2.64	194.40	0.000	0.000	123.83	0.00	0.00
27	117.00	RRUS 4478 B14	3	42.686	46.955	0.54	0.80	2.65	160.38	0.000	0.000	124.58	0.00	0.00
28	117.00	DC6-48-60-18-8F	1	42.686	46.955	1.00	1.00	0.92	28.62	0.000	0.000	43.20	0.00	0.00
29	117.00	DC9-48-60-24-PC16-EV	1	42.686	46.955	1.00	1.00	1.14	23.58	0.000	0.000	53.53	0.00	0.00
30	117.00	7770.00	3	42.686	46.955	0.58	0.80	9.64	94.50	0.000	0.000	452.46	0.00	0.00
31	117.00	VFA12-M3-WLL (Sector	3	42.686	46.955	0.56	0.75	31.35	1776.60	0.000	0.000	1472.21	0.00	0.00
32	117.00	mount pipes (2.875"x10')	15	42.686	46.955	0.80	0.80	27.60	810.00	0.000	0.000	1295.95	0.00	0.00
33	100.00	Lucent KS24019-L112A	1	41.298	45.428	1.00	1.00	0.14	4.50	0.000	0.000	6.36	0.00	0.00
34	80.00	Side Arm	1	39.403	43.343	1.00	1.00	4.50	108.00	0.000	0.000	195.05	0.00	0.00
35	80.00	GPS	1	39.403	43.343	1.00	1.00	0.91	3.60	0.000	0.000	39.44	0.00	0.00
							Totals:		**10,773.89**			**15,972.12**		

Total Applied Force Summary

Structure:	CT03109-S		**Code:**	TIA-222-H	10/5/2023
Site Name:	Oxford 3, CT		**Exposure:**	C	
Height:	150.00 (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

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00

Iterations 20

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		625.10	1745.94	0.00	0.00
10.00		613.15	1715.12	0.00	0.00
15.00		601.19	1684.29	0.00	0.00
20.00		625.21	1653.47	0.00	0.00
25.00		641.99	1622.64	0.00	0.00
30.00		653.29	1591.82	0.00	0.00
35.00		660.57	1561.00	0.00	0.00
37.75		362.97	845.41	0.00	0.00
40.00		301.87	1235.36	0.00	0.00
45.00		676.75	2703.35	0.00	0.00
50.00		676.55	1323.16	0.00	0.00
55.00		674.57	1296.19	0.00	0.00
60.00		671.06	1269.21	0.00	0.00
65.00		666.21	1242.24	0.00	0.00
70.00		660.17	1215.27	0.00	0.00
75.00		653.08	1188.30	0.00	0.00
76.50		193.46	351.23	0.00	0.00
80.00	(2) attachments	691.26	1538.76	0.00	0.00
82.75		355.57	1103.72	0.00	0.00
85.00		288.70	450.41	0.00	0.00
90.00		636.70	984.15	0.00	0.00
95.00		626.39	961.03	0.00	0.00
100.00	(1) attachments	621.75	942.42	0.00	0.00
105.00		603.76	914.80	0.00	0.00
110.00		591.54	891.68	0.00	0.00
111.25		145.39	219.31	0.00	0.00
115.00		438.46	1061.20	0.00	0.00
116.50		172.97	418.11	0.00	0.00
117.00	(44) attachments	6071.78	3824.81	0.00	0.00
120.00		342.00	370.63	0.00	0.00
125.00		559.99	603.84	0.00	0.00
130.00		545.82	586.50	0.00	0.00
135.00		531.22	569.15	0.00	0.00
137.00	(37) attachments	4752.88	3128.09	0.00	0.00
140.00		307.43	292.02	0.00	0.00
145.00		500.78	472.82	0.00	0.00
147.00	(36) attachments	5367.25	4180.18	0.00	0.00
150.00		288.66	262.30	0.00	0.00
	Totals:	**34,397.51**	**48,019.92**	**0.00**	**0.00**

Linear Appurtenance Segment Forces (Factored)

Structure: CT03109-S
Site Name: Oxford 3, CT
Height: 150.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 10/5/2023
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

Load Case: 0.9D + 1.0W 117 mph Wind
Dead Load Factor 0.90
Wind Load Factor 1.00

Iterations 20

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.015	0.000	27.736	0.00	1.23
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.015	0.000	27.736	0.00	9.36
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.015	0.000	27.736	0.00	1.23
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.015	0.000	27.736	0.00	9.36
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.016	0.000	27.736	0.00	1.23
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.016	0.000	27.736	0.00	9.36
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.016	0.000	29.429	0.00	1.23
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.016	0.000	29.429	0.00	9.36
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.016	0.000	30.845	0.00	1.23
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.016	0.000	30.845	0.00	9.36
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	32.052	0.00	1.23
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	32.052	0.00	9.36
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	33.109	0.00	1.23
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	33.109	0.00	9.36
37.75	Safety Cable	Yes	2.75	0.000	0.38	0.09	0.00	0.017	0.000	33.640	0.00	0.68
37.75	Step bolts (ladder)	Yes	2.75	0.000	0.63	0.14	0.00	0.017	0.000	33.640	0.00	5.15
40.00	Safety Cable	Yes	2.25	0.000	0.38	0.07	0.00	0.017	0.000	34.053	0.00	0.55
40.00	Step bolts (ladder)	Yes	2.25	0.000	0.63	0.12	0.00	0.017	0.000	34.053	0.00	4.21
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	34.908	0.00	1.23
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	34.908	0.00	9.36
50.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	35.691	0.00	1.23
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	35.691	0.00	9.36
55.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	36.414	0.00	1.23
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	36.414	0.00	9.36
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	37.087	0.00	1.23
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	37.087	0.00	9.36
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	37.718	0.00	1.23
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	37.718	0.00	9.36
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	38.311	0.00	1.23
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	38.311	0.00	9.36
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	38.871	0.00	1.23
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	38.871	0.00	9.36
76.50	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.020	0.000	39.034	0.00	0.37
76.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.020	0.000	39.034	0.00	2.81
80.00	Safety Cable	Yes	3.50	0.000	0.38	0.11	0.00	0.021	0.000	39.403	0.00	0.86
80.00	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.18	0.00	0.021	0.000	39.403	0.00	6.55
82.75	Safety Cable	Yes	2.75	0.000	0.38	0.09	0.00	0.021	0.000	39.684	0.00	0.68
82.75	Step bolts (ladder)	Yes	2.75	0.000	0.63	0.14	0.00	0.021	0.000	39.684	0.00	5.15
85.00	Safety Cable	Yes	2.25	0.000	0.38	0.07	0.00	0.021	0.000	39.909	0.00	0.55
85.00	Step bolts (ladder)	Yes	2.25	0.000	0.63	0.12	0.00	0.021	0.000	39.909	0.00	4.21
90.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	40.392	0.00	1.23
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	40.392	0.00	9.36
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	40.855	0.00	1.23
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	40.855	0.00	9.36
100.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	41.298	0.00	1.23
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	41.298	0.00	9.36
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	41.725	0.00	1.23

Linear Appurtenance Segment Forces (Factored)

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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 117 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00

Iterations 20

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	41.725	0.00	9.36
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	42.135	0.00	1.23
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	42.135	0.00	9.36
111.25	Safety Cable	Yes	1.25	0.000	0.38	0.04	0.00	0.025	0.000	42.236	0.00	0.31
111.25	Step bolts (ladder)	Yes	1.25	0.000	0.63	0.07	0.00	0.025	0.000	42.236	0.00	2.34
115.00	Safety Cable	Yes	3.75	0.000	0.38	0.12	0.00	0.025	0.000	42.532	0.00	0.92
115.00	Step bolts (ladder)	Yes	3.75	0.000	0.63	0.20	0.00	0.025	0.000	42.532	0.00	7.02
116.50	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.025	0.000	42.648	0.00	0.37
116.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.025	0.000	42.648	0.00	2.81
117.00	Safety Cable	Yes	0.50	0.000	0.38	0.02	0.00	0.025	0.000	42.686	0.00	0.12
117.00	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.025	0.000	42.686	0.00	0.94
120.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.025	0.000	42.914	0.00	0.74
120.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.025	0.000	42.914	0.00	5.62
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	43.285	0.00	1.23
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	43.285	0.00	9.36
130.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	43.644	0.00	1.23
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	43.644	0.00	9.36
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	43.992	0.00	1.23
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	43.992	0.00	9.36
137.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.029	0.000	44.128	0.00	0.49
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.029	0.000	44.128	0.00	3.74
140.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.029	0.000	44.330	0.00	0.74
140.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.029	0.000	44.330	0.00	5.62
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	44.659	0.00	1.23
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	44.659	0.00	9.36
147.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	44.788	0.00	0.49
147.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	44.788	0.00	3.74
150.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.032	0.000	44.978	0.00	0.74
150.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.032	0.000	44.978	0.00	5.62
										Totals:	**0.0**	**317.7**

Calculated Forces

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00

Iterations 20

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	-47.99	-34.43	0.00	-3534.6	0.00	3534.62	7146.92	1851.25	10209.5	9777.85	0.00	0.000	0.000	0.369
5.00	-46.20	-33.87	0.00	-3362.4	0.00	3362.45	7059.53	1815.92	9823.55	9472.60	0.05	-0.083	0.000	0.362
10.00	-44.44	-33.32	0.00	-3193.0	0.00	3193.08	6970.23	1780.59	9445.03	9169.43	0.18	-0.167	0.000	0.355
15.00	-42.71	-32.78	0.00	-3026.4	0.00	3026.47	6879.02	1745.26	9073.96	8868.51	0.40	-0.252	0.000	0.348
20.00	-41.01	-32.21	0.00	-2862.5	0.00	2862.58	6785.91	1709.93	8710.32	8569.97	0.71	-0.337	0.000	0.340
25.00	-39.34	-31.61	0.00	-2701.5	0.00	2701.55	6690.89	1674.60	8354.11	8273.98	1.11	-0.422	0.000	0.333
30.00	-37.71	-31.00	0.00	-2543.5	0.00	2543.50	6593.97	1639.28	8005.34	7980.68	1.60	-0.507	0.000	0.325
35.00	-36.12	-30.37	0.00	-2388.4	0.00	2388.49	6495.14	1603.95	7664.01	7690.22	2.17	-0.593	0.000	0.317
37.75	-35.26	-30.02	0.00	-2304.9	0.00	2304.98	6439.97	1584.52	7479.45	7531.73	2.53	-0.641	0.000	0.312
40.00	-33.99	-29.74	0.00	-2237.4	0.00	2237.43	6394.40	1568.62	7330.11	7402.76	2.84	-0.681	0.000	0.308
45.00	-31.25	-29.08	0.00	-2088.7	0.00	2088.70	5339.68	1364.48	6338.69	6151.87	3.60	-0.766	0.000	0.346
50.00	-29.90	-28.43	0.00	-1943.3	0.00	1943.30	5259.83	1333.56	6054.73	5921.52	4.45	-0.852	0.000	0.334
55.00	-28.57	-27.78	0.00	-1801.1	0.00	1801.15	5178.07	1302.65	5777.29	5693.28	5.39	-0.945	0.000	0.322
60.00	-27.26	-27.13	0.00	-1662.2	0.00	1662.23	5094.41	1271.74	5506.34	5467.29	6.43	-1.037	0.000	0.310
65.00	-25.99	-26.49	0.00	-1526.5	0.00	1526.57	5008.84	1240.83	5241.91	5243.71	7.57	-1.128	0.000	0.297
70.00	-24.75	-25.84	0.00	-1394.1	0.00	1394.14	4921.36	1209.91	4983.98	5022.69	8.80	-1.217	0.000	0.283
75.00	-23.55	-25.18	0.00	-1264.9	0.00	1264.95	4831.98	1179.00	4732.56	4804.37	10.12	-1.305	0.000	0.269
76.50	-23.19	-25.00	0.00	-1227.1	0.00	1227.18	4804.80	1169.73	4658.40	4739.43	10.54	-1.332	0.000	0.264
80.00	-21.64	-24.29	0.00	-1139.6	0.00	1139.68	4740.69	1148.09	4487.65	4588.91	11.54	-1.393	0.000	0.253
82.75	-20.53	-23.92	0.00	-1072.8	0.00	1072.88	3881.85	986.47	3865.33	3771.76	12.35	-1.440	0.000	0.290
85.00	-20.06	-23.65	0.00	-1019.0	0.00	1019.05	3850.71	974.55	3772.46	3695.92	13.04	-1.478	0.000	0.282
90.00	-19.06	-23.01	0.00	-900.82	0.00	900.82	3780.12	948.05	3570.11	3528.74	14.64	-1.568	0.000	0.261
95.00	-18.08	-22.39	0.00	-785.75	0.00	785.75	3707.63	921.56	3373.34	3363.54	16.33	-1.653	0.000	0.239
100.00	-17.13	-21.76	0.00	-673.82	0.00	673.82	3633.23	895.06	3182.15	3200.48	18.10	-1.733	0.000	0.216
105.00	-16.21	-21.15	0.00	-565.02	0.00	565.02	3556.92	868.57	2996.54	3039.70	19.96	-1.808	0.000	0.191
110.00	-15.32	-20.54	0.00	-459.28	0.00	459.28	3478.71	842.07	2816.51	2881.36	21.89	-1.875	0.000	0.164
111.25	-15.10	-20.40	0.00	-433.60	0.00	433.60	3458.86	835.45	2772.37	2842.18	22.39	-1.891	0.000	0.158
115.00	-14.04	-19.93	0.00	-357.12	0.00	357.12	3398.59	815.57	2642.05	2725.61	23.89	-1.935	0.000	0.136
116.50	-13.62	-19.74	0.00	-327.23	0.00	327.23	2333.72	616.11	2009.98	1889.41	24.50	-1.952	0.000	0.180
117.00	-10.00	-13.55	0.00	-317.36	0.00	317.36	2329.14	614.12	1997.03	1879.57	24.71	-1.957	0.000	0.174
120.00	-9.63	-13.20	0.00	-276.71	0.00	276.71	2301.24	602.20	1920.23	1820.74	25.95	-1.994	0.000	0.157
125.00	-9.04	-12.63	0.00	-210.70	0.00	210.70	2253.21	582.32	1795.56	1723.47	28.07	-2.048	0.000	0.127
130.00	-8.47	-12.07	0.00	-147.56	0.00	147.56	2203.28	562.44	1675.08	1627.33	30.24	-2.092	0.000	0.095
135.00	-7.91	-11.52	0.00	-87.22	0.00	87.22	2151.44	542.57	1558.79	1532.45	32.45	-2.124	0.000	0.061
137.00	-4.96	-6.65	0.00	-64.18	0.00	64.18	2130.17	534.62	1513.44	1494.89	33.34	-2.134	0.000	0.045
140.00	-4.68	-6.34	0.00	-44.22	0.00	44.22	2097.70	522.69	1446.67	1438.99	34.69	-2.144	0.000	0.033
145.00	-4.23	-5.82	0.00	-12.53	0.00	12.53	2042.04	502.82	1338.74	1347.10	36.94	-2.154	0.000	0.012
147.00	-0.25	-0.30	0.00	-0.89	0.00	0.89	2019.25	494.87	1296.74	1310.82	37.84	-2.155	0.000	0.001
150.00	0.00	-0.29	0.00	0.00	0.00	0.00	1984.48	482.94	1235.00	1256.93	39.19	-2.155	0.000	0.000

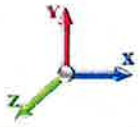
Wind Loading - Shaft

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 19

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	5.065	5.57	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.065	5.57	0.00	1.200	0.828	5.00	28.756	34.51	192.3	345.2	2478.2
10.00		1.00	0.85	5.065	5.57	0.00	1.200	0.887	5.00	28.269	33.92	189.0	363.2	2455.2
15.00		1.00	0.85	5.065	5.57	0.00	1.200	0.924	5.00	27.763	33.32	185.6	371.1	2422.0
20.00		1.00	0.90	5.375	5.91	0.00	1.200	0.951	5.00	27.249	32.70	193.3	374.5	2384.3
25.00		1.00	0.95	5.633	6.20	0.00	1.200	0.973	5.00	26.730	32.08	198.8	375.4	2344.1
30.00		1.00	0.98	5.854	6.44	0.00	1.200	0.991	5.00	26.208	31.45	202.5	374.5	2302.1
35.00		1.00	1.01	6.047	6.65	0.00	1.200	1.006	5.00	25.684	30.82	205.0	372.4	2258.9
37.75	Bot - Section 2	1.00	1.03	6.144	6.76	0.00	1.200	1.014	2.75	13.901	16.68	112.7	204.0	1224.0
40.00		1.00	1.04	6.219	6.84	0.00	1.200	1.019	2.25	11.422	13.71	93.8	168.8	1728.2
45.00	Top - Section 1	1.00	1.07	6.375	7.01	0.00	1.200	1.032	5.00	25.003	30.00	210.4	371.3	3780.9
50.00		1.00	1.09	6.518	7.17	0.00	1.200	1.042	5.00	24.475	29.37	210.6	367.0	1936.4
55.00		1.00	1.12	6.650	7.32	0.00	1.200	1.052	5.00	23.947	28.74	210.2	362.3	1895.7
60.00		1.00	1.14	6.773	7.45	0.00	1.200	1.062	5.00	23.418	28.10	209.4	357.0	1854.5
65.00		1.00	1.16	6.888	7.58	0.00	1.200	1.070	5.00	22.888	27.47	208.1	351.5	1812.9
70.00		1.00	1.17	6.997	7.70	0.00	1.200	1.078	5.00	22.358	26.83	206.5	345.6	1771.1
75.00		1.00	1.19	7.099	7.81	0.00	1.200	1.086	5.00	21.827	26.19	204.5	339.4	1728.9
76.50	Bot - Section 3	1.00	1.20	7.129	7.84	0.00	1.200	1.088	1.50	6.444	7.73	60.6	101.2	511.1
80.00	Appurtenance(s)	1.00	1.21	7.196	7.92	0.00	1.200	1.093	3.50	15.073	18.09	143.2	236.6	2003.1
82.75	Top - Section 2	1.00	1.22	7.248	7.97	0.00	1.200	1.096	2.75	11.661	13.99	111.6	183.9	1548.9
85.00		1.00	1.22	7.289	8.02	0.00	1.200	1.099	2.25	9.421	11.31	90.6	149.1	662.4
90.00		1.00	1.24	7.377	8.11	0.00	1.200	1.106	5.00	20.551	24.66	200.1	324.6	1442.9
95.00		1.00	1.25	7.461	8.21	0.00	1.200	1.112	5.00	20.020	24.02	197.2	317.5	1405.0
100.00	Appurtenance(s)	1.00	1.27	7.542	8.30	0.00	1.200	1.117	5.00	19.488	23.39	194.0	310.3	1367.0
105.00		1.00	1.28	7.620	8.38	0.00	1.200	1.123	5.00	18.956	22.75	190.7	303.0	1328.8
110.00		1.00	1.29	7.695	8.46	0.00	1.200	1.128	5.00	18.423	22.11	187.1	295.5	1290.5
111.25	Bot - Section 4	1.00	1.29	7.713	8.48	0.00	1.200	1.129	1.25	4.522	5.43	46.0	73.4	317.3
115.00		1.00	1.30	7.767	8.54	0.00	1.200	1.133	3.75	13.546	16.26	138.9	218.8	1488.4
116.50	Top - Section 3	1.00	1.31	7.789	8.57	0.00	1.200	1.134	1.50	5.334	6.40	54.8	86.8	586.2
117.00	Appurtenance(s)	1.00	1.31	7.796	8.58	0.00	1.200	1.135	0.50	1.767	2.12	18.2	28.9	100.4
120.00		1.00	1.32	7.837	8.62	0.00	1.200	1.138	3.00	10.493	12.59	108.6	170.4	594.9
125.00		1.00	1.33	7.905	8.70	0.00	1.200	1.142	5.00	17.063	20.48	178.0	276.1	965.1
130.00		1.00	1.34	7.971	8.77	0.00	1.200	1.147	5.00	16.530	19.84	173.9	268.1	934.0
135.00		1.00	1.35	8.034	8.84	0.00	1.200	1.151	5.00	15.997	19.20	169.7	260.0	902.8
137.00	Appurtenance(s)	1.00	1.35	8.059	8.86	0.00	1.200	1.153	2.00	6.249	7.50	66.5	102.7	353.3
140.00		1.00	1.36	8.096	8.91	0.00	1.200	1.155	3.00	9.214	11.06	98.5	151.1	520.1
145.00		1.00	1.37	8.156	8.97	0.00	1.200	1.160	5.00	14.931	17.92	160.7	243.5	840.0
147.00	Appurtenance(s)	1.00	1.37	8.179	9.00	0.00	1.200	1.161	2.00	5.823	6.99	62.9	96.1	328.2
150.00		1.00	1.38	8.214	9.04	0.00	1.200	1.163	3.00	8.574	10.29	93.0	141.1	482.3
								Totals:	**150.00**			**5,777.5**		**54,350.6**

Discrete Appurtenance Forces

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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 19

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	147.00	4415 B25	3	8.179	8.997	0.54	0.75	3.60	276.97	0.000	0.000	32.37	0.00	0.00
2	147.00	AIR32	3	8.179	8.997	0.65	0.75	14.17	819.50	0.000	0.000	127.51	0.00	0.00
3	147.00	APXVAALL24_43-U-NA20	3	8.179	8.997	0.55	0.75	35.29	1174.68	0.000	0.000	317.56	0.00	0.00
4	147.00	AIR6449 B41	3	8.179	8.997	0.53	0.75	10.04	549.38	0.000	0.000	90.30	0.00	0.00
5	147.00	ACU-A20-N	4	8.179	8.997	0.50	0.75	0.68	11.03	0.000	0.000	6.10	0.00	0.00
6	147.00	Mount Pipes	9	8.179	8.997	0.75	0.75	13.35	750.75	0.000	0.000	120.12	0.00	0.00
7	147.00	4449 B71 + B85	3	8.179	8.997	0.50	0.75	3.54	218.29	0.000	0.000	31.86	0.00	0.00
8	147.00	800 MHz Filter	3	8.179	8.997	0.38	0.75	1.36	51.90	0.000	0.000	12.25	0.00	0.00
9	147.00	MS-HRECP-35	1	8.179	8.997	1.00	1.00	20.22	1536.64	0.000	0.000	181.89	0.00	0.00
10	147.00	LP Platform	1	8.179	8.997	1.00	1.00	28.62	5839.19	0.000	0.000	257.54	0.00	0.00
11	147.00	800 MHz RRH	3	8.179	8.997	0.50	0.75	4.74	219.11	0.000	0.000	42.65	0.00	0.00
12	137.00	BXA-70063-6CF-EDIN-5	3	8.059	8.865	0.59	0.75	14.89	273.16	0.000	0.000	131.99	0.00	0.00
13	137.00	Platform w/Handrails	1	8.059	8.865	1.00	1.00	29.36	2175.14	0.000	0.000	260.27	0.00	0.00
14	137.00	Mount Pipes	12	8.059	8.865	0.75	0.75	16.64	999.54	0.000	0.000	147.49	0.00	0.00
15	137.00	DB-T1-6Z-8AB-0Z	1	8.059	8.865	1.00	1.00	5.36	126.86	0.000	0.000	47.52	0.00	0.00
16	137.00	MT6407-77A	3	8.059	8.865	0.53	0.75	8.48	483.16	0.000	0.000	75.16	0.00	0.00
17	137.00	NHH-65B-R2B	6	8.059	8.865	0.63	0.75	33.56	828.26	0.000	0.000	297.49	0.00	0.00
18	137.00	BSAMNT-SBS-1-2	3	8.059	8.865	1.00	1.00	0.92	209.90	0.000	0.000	8.14	0.00	0.00
19	137.00	Kaelus KA-6030 Filter	2	8.059	8.865	0.61	0.90	1.50	46.32	0.000	0.000	13.27	0.00	0.00
20	137.00	RF4440d-13A	3	8.059	8.865	0.61	0.75	4.11	270.88	0.000	0.000	36.45	0.00	0.00
21	137.00	RF4439d-25A	3	8.059	8.865	0.64	0.75	4.26	347.47	0.000	0.000	37.79	0.00	0.00
22	117.00	OPA65R-BU6DA	3	7.796	8.575	0.71	0.80	26.24	749.33	0.000	0.000	224.99	0.00	0.00
23	117.00	DMP65R-BU6DA	3	7.796	8.575	0.58	0.80	23.61	658.57	0.000	0.000	202.45	0.00	0.00
24	117.00	LGP21401	6	7.796	8.575	0.40	0.80	4.40	156.47	0.000	0.000	37.73	0.00	0.00
25	117.00	4449 B5/B12	3	7.796	8.575	0.54	0.80	3.74	318.94	0.000	0.000	32.07	0.00	0.00
26	117.00	8843 B25/B66A	3	7.796	8.575	0.54	0.80	3.16	314.59	0.000	0.000	27.07	0.00	0.00
27	117.00	RRUS 4478 B14	3	7.796	8.575	0.54	0.80	3.20	266.54	0.000	0.000	27.40	0.00	0.00
28	117.00	DC6-48-60-18-8F	1	7.796	8.575	1.00	1.00	1.20	60.66	0.000	0.000	10.33	0.00	0.00
29	117.00	DC9-48-60-24-PC16-EV	1	7.796	8.575	1.00	1.00	2.17	83.27	0.000	0.000	18.63	0.00	0.00
30	117.00	7770.00	3	7.796	8.575	0.58	0.80	10.82	369.04	0.000	0.000	92.81	0.00	0.00
31	117.00	VFA12-M3-WLL (Sector	3	7.796	8.575	0.56	0.75	56.97	2636.39	0.000	0.000	488.57	0.00	0.00
32	117.00	mount pipes (2.875"x10')	15	7.796	8.575	0.80	0.80	50.15	2552.00	0.000	0.000	430.08	0.00	0.00
33	100.00	Lucent KS24019-L112A	1	7.542	8.296	1.00	1.00	0.26	3.28	0.000	0.000	2.17	0.00	0.00
34	80.00	Side Arm	1	7.196	7.916	1.00	1.00	7.78	179.56	0.000	0.000	61.62	0.00	0.00
35	80.00	GPS	1	7.196	7.916	1.00	1.00	1.54	13.39	0.000	0.000	12.18	0.00	0.00
							Totals:		**25,570.16**			**3,943.82**		

Total Applied Force Summary

Structure:	CT03109-S		**Code:**	TIA-222-H	10/5/2023
Site Name:	Oxford 3, CT		**Exposure:**	C	
Height:	150.00 (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 19

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		192.28	2687.07	0.00	0.00
10.00		189.02	2665.64	0.00	0.00
15.00		185.63	2633.47	0.00	0.00
20.00		193.32	2596.59	0.00	0.00
25.00		198.76	2556.98	0.00	0.00
30.00		202.50	2515.57	0.00	0.00
35.00		205.00	2472.86	0.00	0.00
37.75		112.73	1341.83	0.00	0.00
40.00		93.76	1824.69	0.00	0.00
45.00		210.40	3995.69	0.00	0.00
50.00		210.58	2151.50	0.00	0.00
55.00		210.21	2111.07	0.00	0.00
60.00		209.37	2070.19	0.00	0.00
65.00		208.11	2028.92	0.00	0.00
70.00		206.49	1987.32	0.00	0.00
75.00		204.54	1945.41	0.00	0.00
76.50		60.64	576.06	0.00	0.00
80.00	(2) attachments	216.98	2347.78	0.00	0.00
82.75		111.55	1667.67	0.00	0.00
85.00		90.64	759.63	0.00	0.00
90.00		200.12	1659.09	0.00	0.00
95.00		197.17	1621.43	0.00	0.00
100.00	(1) attachments	196.18	1586.87	0.00	0.00
105.00		190.67	1545.58	0.00	0.00
110.00		187.14	1507.42	0.00	0.00
111.25		46.04	371.57	0.00	0.00
115.00		138.89	1651.20	0.00	0.00
116.50		54.84	651.30	0.00	0.00
117.00	(44) attachments	1610.31	8287.95	0.00	0.00
120.00		108.56	678.62	0.00	0.00
125.00		178.05	1104.81	0.00	0.00
130.00		173.92	1073.84	0.00	0.00
135.00		169.65	1042.76	0.00	0.00
137.00	(37) attachments	1122.05	6170.03	0.00	0.00
140.00		98.47	554.85	0.00	0.00
145.00		160.74	898.09	0.00	0.00
147.00	(36) attachments	1283.02	11798.88	0.00	0.00
150.00		92.97	505.37	0.00	0.00
	Totals:	**9,721.31**	**85,645.62**	**0.00**	**0.00**

Linear Appurtenance Segment Forces (Factored)

Structure: CT03109-S
Site Name: Oxford 3, CT
Height: 150.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 10/5/2023
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00

Iterations 19

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.85	0.00	0.015	0.000	5.065	0.00	7.09
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.95	0.00	0.015	0.000	5.065	0.00	21.02
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.90	0.00	0.015	0.000	5.065	0.00	7.80
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.00	0.00	0.015	0.000	5.065	0.00	21.93
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.93	0.00	0.016	0.000	5.065	0.00	8.26
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.03	0.00	0.016	0.000	5.065	0.00	22.52
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.95	0.00	0.016	0.000	5.375	0.00	8.61
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.06	0.00	0.016	0.000	5.375	0.00	22.96
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.97	0.00	0.016	0.000	5.633	0.00	8.89
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.07	0.00	0.016	0.000	5.633	0.00	23.31
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.98	0.00	0.017	0.000	5.854	0.00	9.13
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.09	0.00	0.017	0.000	5.854	0.00	23.61
35.00	Safety Cable	Yes	5.00	0.000	0.38	1.00	0.00	0.017	0.000	6.047	0.00	9.34
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.10	0.00	0.017	0.000	6.047	0.00	23.88
37.75	Safety Cable	Yes	2.75	0.000	0.38	0.55	0.00	0.017	0.000	6.144	0.00	5.20
37.75	Step bolts (ladder)	Yes	2.75	0.000	0.63	0.61	0.00	0.017	0.000	6.144	0.00	13.20
40.00	Safety Cable	Yes	2.25	0.000	0.38	0.45	0.00	0.017	0.000	6.219	0.00	4.29
40.00	Step bolts (ladder)	Yes	2.25	0.000	0.63	0.50	0.00	0.017	0.000	6.219	0.00	10.85
45.00	Safety Cable	Yes	5.00	0.000	0.38	1.02	0.00	0.018	0.000	6.375	0.00	9.70
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.12	0.00	0.018	0.000	6.375	0.00	24.32
50.00	Safety Cable	Yes	5.00	0.000	0.38	1.03	0.00	0.018	0.000	6.518	0.00	9.85
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.13	0.00	0.018	0.000	6.518	0.00	24.51
55.00	Safety Cable	Yes	5.00	0.000	0.38	1.04	0.00	0.018	0.000	6.650	0.00	10.00
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.14	0.00	0.018	0.000	6.650	0.00	24.69
60.00	Safety Cable	Yes	5.00	0.000	0.38	1.04	0.00	0.019	0.000	6.773	0.00	10.13
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.15	0.00	0.019	0.000	6.773	0.00	24.85
65.00	Safety Cable	Yes	5.00	0.000	0.38	1.05	0.00	0.019	0.000	6.888	0.00	10.25
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.15	0.00	0.019	0.000	6.888	0.00	25.00
70.00	Safety Cable	Yes	5.00	0.000	0.38	1.06	0.00	0.020	0.000	6.997	0.00	10.37
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.16	0.00	0.020	0.000	6.997	0.00	25.15
75.00	Safety Cable	Yes	5.00	0.000	0.38	1.06	0.00	0.020	0.000	7.099	0.00	10.48
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.17	0.00	0.020	0.000	7.099	0.00	25.28
76.50	Safety Cable	Yes	1.50	0.000	0.38	0.32	0.00	0.020	0.000	7.129	0.00	3.15
76.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.35	0.00	0.020	0.000	7.129	0.00	7.60
80.00	Safety Cable	Yes	3.50	0.000	0.38	0.75	0.00	0.021	0.000	7.196	0.00	7.41
80.00	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.82	0.00	0.021	0.000	7.196	0.00	17.79
82.75	Safety Cable	Yes	2.75	0.000	0.38	0.59	0.00	0.021	0.000	7.248	0.00	5.85
82.75	Step bolts (ladder)	Yes	2.75	0.000	0.63	0.65	0.00	0.021	0.000	7.248	0.00	14.01
85.00	Safety Cable	Yes	2.25	0.000	0.38	0.48	0.00	0.021	0.000	7.289	0.00	4.81
85.00	Step bolts (ladder)	Yes	2.25	0.000	0.63	0.53	0.00	0.021	0.000	7.289	0.00	11.49
90.00	Safety Cable	Yes	5.00	0.000	0.38	1.08	0.00	0.021	0.000	7.377	0.00	10.77
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.18	0.00	0.021	0.000	7.377	0.00	25.65
95.00	Safety Cable	Yes	5.00	0.000	0.38	1.08	0.00	0.022	0.000	7.461	0.00	10.86
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.19	0.00	0.022	0.000	7.461	0.00	25.76
100.00	Safety Cable	Yes	5.00	0.000	0.38	1.09	0.00	0.023	0.000	7.542	0.00	10.95
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.19	0.00	0.023	0.000	7.542	0.00	25.86
105.00	Safety Cable	Yes	5.00	0.000	0.38	1.09	0.00	0.023	0.000	7.620	0.00	11.03

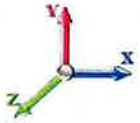
Linear Appurtenance Segment Forces (Factored)

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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 19

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.20	0.00	0.023	0.000	7.620	0.00	25.96
110.00	Safety Cable	Yes	5.00	0.000	0.38	1.10	0.00	0.024	0.000	7.695	0.00	11.11
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.20	0.00	0.024	0.000	7.695	0.00	26.06
111.25	Safety Cable	Yes	1.25	0.000	0.38	0.27	0.00	0.025	0.000	7.713	0.00	2.78
111.25	Step bolts (ladder)	Yes	1.25	0.000	0.63	0.30	0.00	0.025	0.000	7.713	0.00	6.52
115.00	Safety Cable	Yes	3.75	0.000	0.38	0.83	0.00	0.025	0.000	7.767	0.00	8.39
115.00	Step bolts (ladder)	Yes	3.75	0.000	0.63	0.90	0.00	0.025	0.000	7.767	0.00	19.62
116.50	Safety Cable	Yes	1.50	0.000	0.38	0.33	0.00	0.025	0.000	7.789	0.00	3.36
116.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.36	0.00	0.025	0.000	7.789	0.00	7.85
117.00	Safety Cable	Yes	0.50	0.000	0.38	0.11	0.00	0.025	0.000	7.796	0.00	1.12
117.00	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.12	0.00	0.025	0.000	7.796	0.00	2.62
120.00	Safety Cable	Yes	3.00	0.000	0.38	0.66	0.00	0.025	0.000	7.837	0.00	6.76
120.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.73	0.00	0.025	0.000	7.837	0.00	15.75
125.00	Safety Cable	Yes	5.00	0.000	0.38	1.11	0.00	0.026	0.000	7.905	0.00	11.34
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.21	0.00	0.026	0.000	7.905	0.00	26.33
130.00	Safety Cable	Yes	5.00	0.000	0.38	1.11	0.00	0.027	0.000	7.971	0.00	11.41
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.22	0.00	0.027	0.000	7.971	0.00	26.42
135.00	Safety Cable	Yes	5.00	0.000	0.38	1.12	0.00	0.028	0.000	8.034	0.00	11.47
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.22	0.00	0.028	0.000	8.034	0.00	26.50
137.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.029	0.000	8.059	0.00	4.60
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.029	0.000	8.059	0.00	10.61
140.00	Safety Cable	Yes	3.00	0.000	0.38	0.67	0.00	0.029	0.000	8.096	0.00	6.92
140.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.74	0.00	0.029	0.000	8.096	0.00	15.95
145.00	Safety Cable	Yes	5.00	0.000	0.38	1.12	0.00	0.030	0.000	8.156	0.00	11.60
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.23	0.00	0.030	0.000	8.156	0.00	26.66
147.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.031	0.000	8.179	0.00	4.65
147.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.031	0.000	8.179	0.00	10.67
150.00	Safety Cable	Yes	3.00	0.000	0.38	0.68	0.00	0.032	0.000	8.214	0.00	7.00
150.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.74	0.00	0.032	0.000	8.214	0.00	16.04
									Totals:		**0.0**	**1,055.6**

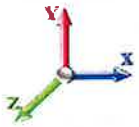
Calculated Forces

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023
Site Name:	Oxford 3, CT	**Exposure:**	C	
Height:	150.00 (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

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 19

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	-85.64	-9.74	0.00	-981.98	0.00	981.98	7146.92	1851.25	10209.5	9777.85	0.00	0.000	0.000	0.112
5.00	-82.95	-9.58	0.00	-933.28	0.00	933.28	7059.53	1815.92	9823.55	9472.60	0.01	-0.023	0.000	0.110
10.00	-80.28	-9.42	0.00	-885.39	0.00	885.39	6970.23	1780.59	9445.03	9169.43	0.05	-0.046	0.000	0.108
15.00	-77.65	-9.27	0.00	-838.28	0.00	838.28	6879.02	1745.26	9073.96	8868.51	0.11	-0.070	0.000	0.106
20.00	-75.05	-9.10	0.00	-791.96	0.00	791.96	6785.91	1709.93	8710.32	8569.97	0.20	-0.093	0.000	0.103
25.00	-72.49	-8.93	0.00	-746.46	0.00	746.46	6690.89	1674.60	8354.11	8273.98	0.31	-0.117	0.000	0.101
30.00	-69.97	-8.75	0.00	-701.84	0.00	701.84	6593.97	1639.28	8005.34	7980.68	0.44	-0.141	0.000	0.099
35.00	-67.49	-8.56	0.00	-658.11	0.00	658.11	6495.14	1603.95	7664.01	7690.22	0.60	-0.164	0.000	0.096
37.75	-66.15	-8.45	0.00	-634.58	0.00	634.58	6439.97	1584.52	7479.45	7531.73	0.70	-0.177	0.000	0.095
40.00	-64.32	-8.37	0.00	-615.56	0.00	615.56	6394.40	1568.62	7330.11	7402.76	0.79	-0.188	0.000	0.093
45.00	-60.32	-8.17	0.00	-573.70	0.00	573.70	5339.68	1364.48	6338.69	6151.87	1.00	-0.212	0.000	0.105
50.00	-58.17	-7.98	0.00	-532.83	0.00	532.83	5259.83	1333.56	6054.73	5921.52	1.23	-0.235	0.000	0.101
55.00	-56.06	-7.78	0.00	-492.94	0.00	492.94	5178.07	1302.65	5777.29	5693.28	1.49	-0.261	0.000	0.097
60.00	-53.98	-7.59	0.00	-454.02	0.00	454.02	5094.41	1271.74	5506.34	5467.29	1.78	-0.286	0.000	0.094
65.00	-51.95	-7.39	0.00	-416.07	0.00	416.07	5008.84	1240.83	5241.91	5243.71	2.09	-0.311	0.000	0.090
70.00	-49.96	-7.20	0.00	-379.11	0.00	379.11	4921.36	1209.91	4983.98	5022.69	2.43	-0.335	0.000	0.086
75.00	-48.02	-6.99	0.00	-343.13	0.00	343.13	4831.98	1179.00	4732.56	4804.37	2.80	-0.359	0.000	0.081
76.50	-47.44	-6.94	0.00	-332.64	0.00	332.64	4804.80	1169.73	4658.40	4739.43	2.91	-0.366	0.000	0.080
80.00	-45.09	-6.72	0.00	-308.36	0.00	308.36	4740.69	1148.09	4487.65	4588.91	3.18	-0.383	0.000	0.077
82.75	-43.42	-6.60	0.00	-289.89	0.00	289.89	3881.85	986.47	3865.33	3771.76	3.41	-0.396	0.000	0.088
85.00	-42.66	-6.52	0.00	-275.03	0.00	275.03	3850.71	974.55	3772.46	3695.92	3.60	-0.406	0.000	0.086
90.00	-41.00	-6.32	0.00	-242.43	0.00	242.43	3780.12	948.05	3570.11	3528.74	4.04	-0.430	0.000	0.080
95.00	-39.38	-6.13	0.00	-210.81	0.00	210.81	3707.63	921.56	3373.34	3363.54	4.50	-0.453	0.000	0.073
100.00	-37.79	-5.94	0.00	-180.16	0.00	180.16	3633.23	895.06	3182.15	3200.48	4.99	-0.474	0.000	0.067
105.00	-36.25	-5.74	0.00	-150.48	0.00	150.48	3556.92	868.57	2996.54	3039.70	5.49	-0.494	0.000	0.060
110.00	-34.74	-5.55	0.00	-121.76	0.00	121.76	3478.71	842.07	2816.51	2881.36	6.02	-0.512	0.000	0.052
111.25	-34.37	-5.51	0.00	-114.83	0.00	114.83	3458.86	835.45	2772.37	2842.18	6.16	-0.516	0.000	0.050
115.00	-32.72	-5.36	0.00	-94.18	0.00	94.18	3398.59	815.57	2642.05	2725.61	6.57	-0.528	0.000	0.044
116.50	-32.07	-5.30	0.00	-86.15	0.00	86.15	2333.72	616.11	2009.98	1889.41	6.73	-0.532	0.000	0.059
117.00	-23.79	-3.61	0.00	-83.50	0.00	83.50	2329.14	614.12	1997.03	1879.57	6.79	-0.534	0.000	0.055
120.00	-23.12	-3.50	0.00	-72.67	0.00	72.67	2301.24	602.20	1920.23	1820.74	7.13	-0.544	0.000	0.050
125.00	-22.01	-3.32	0.00	-55.16	0.00	55.16	2253.21	582.32	1795.56	1723.47	7.71	-0.558	0.000	0.042
130.00	-20.94	-3.14	0.00	-38.58	0.00	38.58	2203.28	562.44	1675.08	1627.33	8.30	-0.569	0.000	0.033
135.00	-19.90	-2.96	0.00	-22.89	0.00	22.89	2151.44	542.57	1558.79	1532.45	8.90	-0.578	0.000	0.024
137.00	-13.74	-1.77	0.00	-16.98	0.00	16.98	2130.17	534.62	1513.44	1494.89	9.14	-0.580	0.000	0.018
140.00	-13.19	-1.67	0.00	-11.65	0.00	11.65	2097.70	522.69	1446.67	1438.99	9.51	-0.583	0.000	0.014
145.00	-12.29	-1.50	0.00	-3.30	0.00	3.30	2042.04	502.82	1338.74	1347.10	10.12	-0.585	0.000	0.008
147.00	-0.50	-0.10	0.00	-0.29	0.00	0.29	2019.25	494.87	1296.74	1310.82	10.36	-0.586	0.000	0.000
150.00	0.00	-0.09	0.00	0.00	0.00	0.00	1984.48	482.94	1235.00	1256.93	10.73	-0.586	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT03109-S		**Code:**	TIA-222-H	10/5/2023
Site Name:	Oxford 3, CT		**Exposure:**	C	
Height:	150.00 (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

SBA

Load Case:	1.2D + 1.0Ev + 1.0Eh					**Iterations**	18
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)**	0.47	**SA**	0.04	**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		1972.4	2.50	83.31	0.06	
10.00		1938.1	7.50	81.87	0.45	
15.00		1903.9	12.50	80.42	1.09	
20.00		1869.6	17.50	78.97	1.94	
25.00		1835.4	22.50	77.53	2.97	
30.00		1801.1	27.50	76.08	4.13	
35.00		1766.9	32.50	74.63	5.40	
37.75	Bot - Section 2	957.20	36.38	40.43	2.18	
40.00		1387.2	38.88	58.60	4.82	
45.00	Top - Section 1	3036.1	42.50	128.25	23.51	
50.00		1502.6	47.50	63.47	8.02	
55.00		1472.6	52.50	62.21	9.27	
60.00		1442.7	57.50	60.94	10.54	
65.00		1412.7	62.50	59.67	11.80	
70.00		1382.7	67.50	58.41	13.05	
75.00		1352.8	72.50	57.14	14.28	
76.50	Bot - Section 3	400.00	75.75	16.90	1.69	
80.00	Appurtenance(s)	1732.4	78.25	73.18	25.71	
82.75	Top - Section 2	1244.1	81.38	52.55	15.13	
85.00		515.00	83.88	21.75	3.22	
90.00		1125.8	87.50	47.55	14.40	
95.00		1100.1	92.50	46.47	15.27	
100.00	Appurtenance(s)	1079.4	97.50	45.60	16.24	
105.00		1048.7	102.50	44.30	16.87	
110.00		1023.0	107.50	43.21	17.59	
111.25	Bot - Section 4	251.75	110.63	10.63	1.45	
115.00		1203.3	113.13	50.83	25.91	
116.50	Top - Section 3	474.26	115.75	20.03	4.98	
117.00	Appurtenance(s)	4253.0	116.75	179.65	271.88	
120.00		423.42	118.50	17.89	4.23	
125.00		690.28	122.50	29.16	10.91	
130.00		671.02	127.50	28.34	11.14	
135.00		651.75	132.50	27.53	11.33	
137.00	Appurtenance(s)	3483.3	136.00	147.14	249.63	
140.00		327.85	138.50	13.85	3.53	
145.00		531.01	142.50	22.43	8.92	
147.00	Appurtenance(s)	4646.9	146.00	196.29	479.33	
150.00		292.85	148.50	12.37	3.26	
	Totals:	**54,204.3**		**2,289.6**	**1,326.1**	**Total Wind:** **34,397.5**

Calculated Forces

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

SBA

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.21			**Iterations**	18
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.20
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.47	**SA**	0.04	**Seismic Importance Factor**	1.00	**S1**	0.05

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	-66.32	-1.33	0.00	-169.33	0.00	169.33	7146.92	1851.25	10209.5	9777.85		0.00	0.00	0.027
5.00	-63.90	-1.33	0.00	-162.69	0.00	162.69	7059.53	1815.92	9823.55	9472.60		0.00	0.00	0.026
10.00	-61.54	-1.34	0.00	-156.03	0.00	156.03	6970.23	1780.59	9445.03	9169.43		0.01	-0.01	0.026
15.00	-59.21	-1.34	0.00	-149.35	0.00	149.35	6879.02	1745.26	9073.96	8868.51		0.02	-0.01	0.025
20.00	-56.93	-1.34	0.00	-142.65	0.00	142.65	6785.91	1709.93	8710.32	8569.97		0.03	-0.02	0.025
25.00	-54.68	-1.34	0.00	-135.95	0.00	135.95	6690.89	1674.60	8354.11	8273.98		0.05	-0.02	0.025
30.00	-52.49	-1.34	0.00	-129.24	0.00	129.24	6593.97	1639.28	8005.34	7980.68		0.08	-0.03	0.024
35.00	-50.33	-1.34	0.00	-122.54	0.00	122.54	6495.14	1603.95	7664.01	7690.22		0.11	-0.03	0.024
37.75	-49.16	-1.34	0.00	-118.87	0.00	118.87	6439.97	1584.52	7479.45	7531.73		0.12	-0.03	0.023
40.00	-47.46	-1.33	0.00	-115.86	0.00	115.86	6394.40	1568.62	7330.11	7402.76		0.14	-0.03	0.023
45.00	-43.72	-1.31	0.00	-109.20	0.00	109.20	5339.68	1364.48	6338.69	6151.87		0.18	-0.04	0.026
50.00	-41.90	-1.30	0.00	-102.65	0.00	102.65	5259.83	1333.56	6054.73	5921.52		0.22	-0.04	0.025
55.00	-40.11	-1.30	0.00	-96.13	0.00	96.13	5178.07	1302.65	5777.29	5693.28		0.27	-0.05	0.025
60.00	-38.35	-1.29	0.00	-89.64	0.00	89.64	5094.41	1271.74	5506.34	5467.29		0.32	-0.05	0.024
65.00	-36.64	-1.28	0.00	-83.20	0.00	83.20	5008.84	1240.83	5241.91	5243.71		0.38	-0.06	0.023
70.00	-34.96	-1.27	0.00	-76.81	0.00	76.81	4921.36	1209.91	4983.98	5022.69		0.44	-0.06	0.022
75.00	-33.32	-1.25	0.00	-70.48	0.00	70.48	4831.98	1179.00	4732.56	4804.37		0.51	-0.07	0.022
76.50	-32.83	-1.25	0.00	-68.60	0.00	68.60	4804.80	1169.73	4658.40	4739.43		0.53	-0.07	0.021
80.00	-30.71	-1.22	0.00	-64.22	0.00	64.22	4740.69	1148.09	4487.65	4588.91		0.58	-0.07	0.020
82.75	-29.18	-1.21	0.00	-60.85	0.00	60.85	3881.85	986.47	3865.33	3771.76		0.63	-0.08	0.024
85.00	-28.56	-1.21	0.00	-58.13	0.00	58.13	3850.71	974.55	3772.46	3695.92		0.66	-0.08	0.023
90.00	-27.20	-1.19	0.00	-52.10	0.00	52.10	3780.12	948.05	3570.11	3528.74		0.75	-0.08	0.022
95.00	-25.87	-1.18	0.00	-46.14	0.00	46.14	3707.63	921.56	3373.34	3363.54		0.83	-0.09	0.021
100.00	-24.57	-1.16	0.00	-40.25	0.00	40.25	3633.23	895.06	3182.15	3200.48		0.93	-0.09	0.019
105.00	-23.30	-1.14	0.00	-34.45	0.00	34.45	3556.92	868.57	2996.54	3039.70		1.03	-0.10	0.018
110.00	-22.07	-1.13	0.00	-28.73	0.00	28.73	3478.71	842.07	2816.51	2881.36		1.13	-0.10	0.016
111.25	-21.77	-1.12	0.00	-27.32	0.00	27.32	3458.86	835.45	2772.37	2842.18		1.16	-0.10	0.016
115.00	-20.30	-1.10	0.00	-23.11	0.00	23.11	3398.59	815.57	2642.05	2725.61		1.24	-0.10	0.014
116.50	-19.73	-1.09	0.00	-21.46	0.00	21.46	2333.72	616.11	2009.98	1889.41		1.27	-0.11	0.020
117.00	-14.45	-0.81	0.00	-20.92	0.00	20.92	2329.14	614.12	1997.03	1879.57		1.28	-0.11	0.017
120.00	-13.94	-0.80	0.00	-18.49	0.00	18.49	2301.24	602.20	1920.23	1820.74		1.35	-0.11	0.016
125.00	-13.10	-0.79	0.00	-14.47	0.00	14.47	2253.21	582.32	1795.56	1723.47		1.47	-0.11	0.014
130.00	-12.29	-0.78	0.00	-10.50	0.00	10.50	2203.28	562.44	1675.08	1627.33		1.58	-0.12	0.012
135.00	-11.50	-0.77	0.00	-6.60	0.00	6.60	2151.44	542.57	1558.79	1532.45		1.71	-0.12	0.010
137.00	-7.19	-0.51	0.00	-5.06	0.00	5.06	2130.17	534.62	1513.44	1494.89		1.76	-0.12	0.007
140.00	-6.78	-0.51	0.00	-3.53	0.00	3.53	2097.70	522.69	1446.67	1438.99		1.83	-0.12	0.006
145.00	-6.13	-0.50	0.00	-1.00	0.00	1.00	2042.04	502.82	1338.74	1347.10		1.96	-0.12	0.004
147.00	-0.36	0.00	0.00	-0.01	0.00	0.01	2019.25	494.87	1296.74	1310.82		2.01	-0.12	0.000
150.00	0.00	0.00	0.00	0.00	0.00	0.00	1984.48	482.94	1235.00	1256.93		2.08	-0.12	0.000

Seismic Segment Forces (Factored)

Structure:	CT03109-S		**Code:**	TIA-222-H	10/5/2023
Site Name:	Oxford 3, CT		**Exposure:**	C	
Height:	150.00 (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

SBA

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.21			**Iterations**	18
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.20
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.47	**SA**	0.04	**Seismic Importance Factor**	1.00	**S1**	0.05

R: 1.50

Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)
0.00		0.00	0.00	0.00	0.00
5.00		1923.7	2.50	81.26	0.06
10.00		1889.4	7.50	79.81	0.43
15.00		1855.2	12.50	78.36	1.06
20.00		1820.9	17.50	76.92	1.88
25.00		1786.7	22.50	75.47	2.87
30.00		1752.4	27.50	74.02	3.99
35.00		1718.2	32.50	72.58	5.22
37.75	Bot - Section 2	930.41	36.38	39.30	2.10
40.00		1365.3	38.88	57.67	4.76
45.00	Top - Section 1	2987.4	42.50	126.19	23.21
50.00		1453.9	47.50	61.41	7.68
55.00		1423.9	52.50	60.15	8.87
60.00		1394.0	57.50	58.88	10.07
65.00		1364.0	62.50	57.62	11.26
70.00		1334.0	67.50	56.35	12.44
75.00		1304.1	72.50	55.09	13.59
76.50	Bot - Section 3	385.39	75.75	16.28	1.61
80.00	Appurtenance(s)	1698.3	78.25	71.74	25.22
82.75	Top - Section 2	1217.4	81.38	51.43	14.79
85.00		493.19	83.88	20.83	3.03
90.00		1077.3	87.50	45.51	13.51
95.00		1051.6	92.50	44.42	14.31
100.00	Appurtenance(s)	1030.9	97.50	43.55	15.19
105.00		1000.2	102.50	42.25	15.74
110.00		974.60	107.50	41.17	16.37
111.25	Bot - Section 4	239.64	110.63	10.12	1.35
115.00		1167.0	113.13	49.29	24.92
116.50	Top - Section 3	459.72	115.75	19.42	4.78
117.00	Appurtenance(s)	4248.1	116.75	179.44	275.88
120.00		406.00	118.50	17.15	3.98
125.00		661.25	122.50	27.93	10.26
130.00		641.99	127.50	27.12	10.46
135.00		622.72	132.50	26.30	10.61
137.00	Appurtenance(s)	3471.7	136.00	146.65	252.30
140.00		322.77	138.50	13.63	3.48
145.00		522.53	142.50	22.07	8.80
147.00	Appurtenance(s)	4643.5	146.00	196.14	486.75
150.00		290.73	148.50	12.28	3.27
	Totals:	**52,931.1**		**2,235.8**	**1,326.1**

Total Wind: **34,397.5**

Calculated Forces

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.21			**Iterations**	18
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.20
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.47	**SA**	0.04	**Seismic Importance Factor**		**S1**	0.05
									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	-50.26	-1.33	0.00	-168.92	0.00	168.92	7146.92	1851.25	10209.5	9777.85		0.00	0.00	0.024
5.00	-48.43	-1.33	0.00	-162.28	0.00	162.28	7059.53	1815.92	9823.55	9472.60		0.00	0.00	0.024
10.00	-46.63	-1.33	0.00	-155.63	0.00	155.63	6970.23	1780.59	9445.03	9169.43		0.01	-0.01	0.024
15.00	-44.87	-1.34	0.00	-148.96	0.00	148.96	6879.02	1745.26	9073.96	8868.51		0.02	-0.01	0.023
20.00	-43.14	-1.34	0.00	-142.28	0.00	142.28	6785.91	1709.93	8710.32	8569.97		0.03	-0.02	0.023
25.00	-41.44	-1.34	0.00	-135.60	0.00	135.60	6690.89	1674.60	8354.11	8273.98		0.05	-0.02	0.023
30.00	-39.78	-1.33	0.00	-128.92	0.00	128.92	6593.97	1639.28	8005.34	7980.68		0.08	-0.02	0.022
35.00	-38.14	-1.33	0.00	-122.25	0.00	122.25	6495.14	1603.95	7664.01	7690.22		0.11	-0.03	0.022
37.75	-37.26	-1.33	0.00	-118.59	0.00	118.59	6439.97	1584.52	7479.45	7531.73		0.12	-0.03	0.022
40.00	-35.96	-1.33	0.00	-115.60	0.00	115.60	6394.40	1568.62	7330.11	7402.76		0.14	-0.03	0.021
45.00	-33.13	-1.30	0.00	-108.97	0.00	108.97	5339.68	1364.48	6338.69	6151.87		0.18	-0.04	0.024
50.00	-31.75	-1.30	0.00	-102.45	0.00	102.45	5259.83	1333.56	6054.73	5921.52		0.22	-0.04	0.023
55.00	-30.39	-1.29	0.00	-95.96	0.00	95.96	5178.07	1302.65	5777.29	5693.28		0.27	-0.05	0.023
60.00	-29.07	-1.28	0.00	-89.51	0.00	89.51	5094.41	1271.74	5506.34	5467.29		0.32	-0.05	0.022
65.00	-27.77	-1.27	0.00	-83.11	0.00	83.11	5008.84	1240.83	5241.91	5243.71		0.38	-0.06	0.021
70.00	-26.49	-1.26	0.00	-76.75	0.00	76.75	4921.36	1209.91	4983.98	5022.69		0.44	-0.06	0.021
75.00	-25.25	-1.25	0.00	-70.45	0.00	70.45	4831.98	1179.00	4732.56	4804.37		0.51	-0.07	0.020
76.50	-24.88	-1.25	0.00	-68.58	0.00	68.58	4804.80	1169.73	4658.40	4739.43		0.53	-0.07	0.020
80.00	-23.27	-1.22	0.00	-64.22	0.00	64.22	4740.69	1148.09	4487.65	4588.91		0.58	-0.07	0.019
82.75	-22.12	-1.20	0.00	-60.87	0.00	60.87	3881.85	986.47	3865.33	3771.76		0.62	-0.07	0.022
85.00	-21.65	-1.20	0.00	-58.16	0.00	58.16	3850.71	974.55	3772.46	3695.92		0.66	-0.08	0.021
90.00	-20.62	-1.19	0.00	-52.15	0.00	52.15	3780.12	948.05	3570.11	3528.74		0.74	-0.08	0.020
95.00	-19.61	-1.17	0.00	-46.21	0.00	46.21	3707.63	921.56	3373.34	3363.54		0.83	-0.09	0.019
100.00	-18.62	-1.16	0.00	-40.33	0.00	40.33	3633.23	895.06	3182.15	3200.48		0.93	-0.09	0.018
105.00	-17.67	-1.14	0.00	-34.54	0.00	34.54	3556.92	868.57	2996.54	3039.70		1.03	-0.10	0.016
110.00	-16.73	-1.13	0.00	-28.82	0.00	28.82	3478.71	842.07	2816.51	2881.36		1.13	-0.10	0.015
111.25	-16.51	-1.12	0.00	-27.41	0.00	27.41	3458.86	835.45	2772.37	2842.18		1.16	-0.10	0.014
115.00	-15.39	-1.10	0.00	-23.20	0.00	23.20	3398.59	815.57	2642.05	2725.61		1.24	-0.10	0.013
116.50	-14.96	-1.09	0.00	-21.55	0.00	21.55	2333.72	616.11	2009.98	1889.41		1.27	-0.11	0.018
117.00	-10.95	-0.81	0.00	-21.00	0.00	21.00	2329.14	614.12	1997.03	1879.57		1.28	-0.11	0.016
120.00	-10.57	-0.81	0.00	-18.57	0.00	18.57	2301.24	602.20	1920.23	1820.74		1.35	-0.11	0.015
125.00	-9.93	-0.80	0.00	-14.54	0.00	14.54	2253.21	582.32	1795.56	1723.47		1.46	-0.11	0.013
130.00	-9.32	-0.78	0.00	-10.56	0.00	10.56	2203.28	562.44	1675.08	1627.33		1.58	-0.12	0.011
135.00	-8.72	-0.77	0.00	-6.64	0.00	6.64	2151.44	542.57	1558.79	1532.45		1.70	-0.12	0.008
137.00	-5.45	-0.51	0.00	-5.10	0.00	5.10	2130.17	534.62	1513.44	1494.89		1.75	-0.12	0.006
140.00	-5.14	-0.51	0.00	-3.56	0.00	3.56	2097.70	522.69	1446.67	1438.99		1.83	-0.12	0.005
145.00	-4.65	-0.50	0.00	-1.01	0.00	1.01	2042.04	502.82	1338.74	1347.10		1.95	-0.12	0.003
147.00	-0.27	0.00	0.00	-0.01	0.00	0.01	2019.25	494.87	1296.74	1310.82		2.00	-0.12	0.000
150.00	0.00	0.00	0.00	0.00	0.00	0.00	1984.48	482.94	1235.00	1256.93		2.08	-0.12	0.000

Wind Loading - Shaft

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 19

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	6.526	7.18	310.35	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	6.526	7.18	304.47	0.730	0.000	5.00	28.066	20.49	147.1	0.0	1777.6
10.00		1.00	0.85	6.526	7.18	298.60	0.730	0.000	5.00	27.530	20.10	144.3	0.0	1743.3
15.00		1.00	0.85	6.526	7.18	292.72	0.730	0.000	5.00	26.993	19.70	141.5	0.0	1709.1
20.00		1.00	0.90	6.925	7.62	295.46	0.730	0.000	5.00	26.456	19.31	147.1	0.0	1674.8
25.00		1.00	0.95	7.258	7.98	296.29	0.730	0.000	5.00	25.920	18.92	151.1	0.0	1640.6
30.00		1.00	0.98	7.542	8.30	295.71	0.730	0.000	5.00	25.383	18.53	153.7	0.0	1606.3
35.00		1.00	1.01	7.791	8.57	294.12	0.730	0.000	5.00	24.846	18.14	155.4	0.0	1572.1
37.75	Bot - Section 2	1.00	1.03	7.916	8.71	292.91	0.730	0.000	2.75	13.437	9.81	85.4	0.0	850.0
40.00		1.00	1.04	8.013	8.81	291.77	0.730	0.000	2.25	11.039	8.06	71.0	0.0	1299.6
45.00	Top - Section 1	1.00	1.07	8.214	9.04	288.82	0.730	0.000	5.00	24.143	17.62	159.2	0.0	2841.4
50.00		1.00	1.09	8.398	9.24	289.97	0.730	0.000	5.00	23.606	17.23	159.2	0.0	1307.8
55.00		1.00	1.12	8.568	9.43	286.16	0.730	0.000	5.00	23.070	16.84	158.7	0.0	1277.8
60.00		1.00	1.14	8.727	9.60	282.00	0.730	0.000	5.00	22.533	16.45	157.9	0.0	1247.9
65.00		1.00	1.16	8.875	9.76	277.53	0.730	0.000	5.00	21.996	16.06	156.8	0.0	1217.9
70.00		1.00	1.17	9.015	9.92	272.79	0.730	0.000	5.00	21.460	15.67	155.3	0.0	1187.9
75.00		1.00	1.19	9.147	10.06	267.82	0.730	0.000	5.00	20.923	15.27	153.7	0.0	1158.0
76.50	Bot - Section 3	1.00	1.20	9.185	10.10	266.29	0.730	0.000	1.50	6.172	4.51	45.5	0.0	341.5
80.00	Appurtenance(s)	1.00	1.21	9.272	10.20	262.64	0.730	0.000	3.50	14.436	10.54	107.5	0.0	1472.1
82.75	Top - Section 2	1.00	1.22	9.338	10.27	259.71	0.730	0.000	2.75	11.158	8.15	83.7	0.0	1137.5
85.00		1.00	1.22	9.391	10.33	261.44	0.730	0.000	2.25	9.009	6.58	67.9	0.0	427.8
90.00		1.00	1.24	9.504	10.45	255.92	0.730	0.000	5.00	19.630	14.33	149.8	0.0	931.9
95.00		1.00	1.25	9.613	10.57	250.25	0.730	0.000	5.00	19.093	13.94	147.4	0.0	906.3
100.00	Appurtenance(s)	1.00	1.27	9.718	10.69	244.43	0.730	0.000	5.00	18.557	13.55	144.8	0.0	880.6
105.00		1.00	1.28	9.818	10.80	238.48	0.730	0.000	5.00	18.020	13.15	142.1	0.0	854.9
110.00		1.00	1.29	9.915	10.91	232.40	0.730	0.000	5.00	17.483	12.76	139.2	0.0	829.2
111.25	Bot - Section 4	1.00	1.29	9.938	10.93	230.87	0.730	0.000	1.25	4.287	3.13	34.2	0.0	203.3
115.00		1.00	1.30	10.008	11.01	226.21	0.730	0.000	3.75	12.838	9.37	103.2	0.0	1057.9
116.50	Top - Section 3	1.00	1.31	10.035	11.04	224.34	0.730	0.000	1.50	5.051	3.69	40.7	0.0	416.1
117.00	Appurtenance(s)	1.00	1.31	10.044	11.05	226.94	0.730	0.000	0.50	1.673	1.22	13.5	0.0	59.6
120.00		1.00	1.32	10.098	11.11	223.16	0.730	0.000	3.00	9.924	7.24	80.5	0.0	353.7
125.00		1.00	1.33	10.185	11.20	216.78	0.730	0.000	5.00	16.111	11.76	131.8	0.0	574.2
130.00		1.00	1.34	10.269	11.30	210.30	0.730	0.000	5.00	15.575	11.37	128.4	0.0	554.9
135.00		1.00	1.35	10.351	11.39	203.74	0.730	0.000	5.00	15.038	10.98	125.0	0.0	535.6
137.00	Appurtenance(s)	1.00	1.35	10.383	11.42	201.09	0.730	0.000	2.00	5.865	4.28	48.9	0.0	208.9
140.00		1.00	1.36	10.431	11.47	197.09	0.730	0.000	3.00	8.636	6.30	72.3	0.0	307.5
145.00		1.00	1.37	10.508	11.56	190.36	0.730	0.000	5.00	13.965	10.19	117.8	0.0	497.1
147.00	Appurtenance(s)	1.00	1.37	10.539	11.59	187.64	0.730	0.000	2.00	5.436	3.97	46.0	0.0	193.4
150.00		1.00	1.38	10.584	11.64	183.55	0.730	0.000	3.00	7.992	5.83	67.9	0.0	284.4
								Totals:	**150.00**			**4,335.5**		**37,140.4**

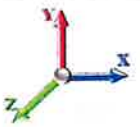
Discrete Appurtenance Forces

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 19

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	147.00	4415 B25	3	10.539	11.592	0.54	0.75	3.01	138.90	0.000	0.000	34.93	0.00	0.00
2	147.00	AIR32	3	10.539	11.592	0.65	0.75	12.74	396.60	0.000	0.000	147.73	0.00	0.00
3	147.00	APXVAALL24_43-U-NA20	3	10.539	11.592	0.55	0.75	33.24	297.00	0.000	0.000	385.38	0.00	0.00
4	147.00	AIR6449 B41	3	10.539	11.592	0.53	0.75	9.03	309.00	0.000	0.000	104.63	0.00	0.00
5	147.00	ACU-A20-N	4	10.539	11.592	0.50	0.75	0.28	4.00	0.000	0.000	3.26	0.00	0.00
6	147.00	Mount Pipes	9	10.539	11.592	0.75	0.75	8.57	270.00	0.000	0.000	99.38	0.00	0.00
7	147.00	4449 B71 + B85	3	10.539	11.592	0.50	0.75	2.97	225.00	0.000	0.000	34.43	0.00	0.00
8	147.00	800 MHz Filter	3	10.539	11.592	0.38	0.75	0.88	26.40	0.000	0.000	10.17	0.00	0.00
9	147.00	MS-HRECP-35	1	10.539	11.592	1.00	1.00	12.25	514.00	0.000	0.000	142.01	0.00	0.00
10	147.00	LP Platform	1	10.539	11.592	1.00	1.00	18.38	2100.00	0.000	0.000	213.07	0.00	0.00
11	147.00	800 MHz RRH	3	10.539	11.592	0.50	0.75	3.62	159.00	0.000	0.000	41.94	0.00	0.00
12	137.00	BXA-70063-6CF-EDIN-5	3	10.383	11.422	0.58	0.75	13.12	51.00	0.000	0.000	149.80	0.00	0.00
13	137.00	Platform w/Handrails	1	10.383	11.422	1.00	1.00	18.90	1704.00	0.000	0.000	215.87	0.00	0.00
14	137.00	Mount Pipes	12	10.383	11.422	0.75	0.75	10.71	360.00	0.000	0.000	122.33	0.00	0.00
15	137.00	DB-T1-6Z-8AB-0Z	1	10.383	11.422	1.00	1.00	4.80	44.00	0.000	0.000	54.82	0.00	0.00
16	137.00	MT6407-77A	3	10.383	11.422	0.52	0.75	7.42	261.30	0.000	0.000	84.73	0.00	0.00
17	137.00	NHH-65B-R2B	6	10.383	11.422	0.62	0.75	30.07	261.90	0.000	0.000	343.42	0.00	0.00
18	137.00	BSAMNT-SBS-1-2	3	10.383	11.422	1.00	1.00	0.60	75.60	0.000	0.000	6.85	0.00	0.00
19	137.00	Kaelus KA-6030 Filter	2	10.383	11.422	0.59	0.90	1.12	35.20	0.000	0.000	12.83	0.00	0.00
20	137.00	RF4440d-13A	3	10.383	11.422	0.60	0.75	3.37	210.99	0.000	0.000	38.45	0.00	0.00
21	137.00	RF4439d-25A	3	10.383	11.422	0.63	0.75	3.53	224.10	0.000	0.000	40.37	0.00	0.00
22	117.00	OPA65R-BU6DA	3	10.044	11.049	0.71	0.80	23.92	207.00	0.000	0.000	264.32	0.00	0.00
23	117.00	DMP65R-BU6DA	3	10.044	11.049	0.58	0.80	21.96	238.20	0.000	0.000	242.66	0.00	0.00
24	117.00	LGP21401	6	10.044	11.049	0.40	0.80	3.10	84.60	0.000	0.000	34.21	0.00	0.00
25	117.00	4449 B5/B12	3	10.044	11.049	0.54	0.80	3.17	213.00	0.000	0.000	35.00	0.00	0.00
26	117.00	8843 B25/B66A	3	10.044	11.049	0.54	0.80	2.64	216.00	0.000	0.000	29.14	0.00	0.00
27	117.00	RRUS 4478 B14	3	10.044	11.049	0.54	0.80	2.65	178.20	0.000	0.000	29.31	0.00	0.00
28	117.00	DC6-48-60-18-8F	1	10.044	11.049	1.00	1.00	0.92	31.80	0.000	0.000	10.16	0.00	0.00
29	117.00	DC9-48-60-24-PC16-EV	1	10.044	11.049	1.00	1.00	1.14	26.20	0.000	0.000	12.60	0.00	0.00
30	117.00	7770.00	3	10.044	11.049	0.58	0.80	9.64	105.00	0.000	0.000	106.46	0.00	0.00
31	117.00	VFA12-M3-WLL (Sector	3	10.044	11.049	0.56	0.75	31.35	1974.00	0.000	0.000	346.41	0.00	0.00
32	117.00	mount pipes (2.875"x10')	15	10.044	11.049	0.80	0.80	27.60	900.00	0.000	0.000	304.94	0.00	0.00
33	100.00	Lucent KS24019-L112A	1	9.718	10.689	1.00	1.00	0.14	5.00	0.000	0.000	1.50	0.00	0.00
34	80.00	Side Arm	1	9.272	10.199	1.00	1.00	4.50	120.00	0.000	0.000	45.89	0.00	0.00
35	80.00	GPS	1	9.272	10.199	1.00	1.00	0.91	4.00	0.000	0.000	9.28	0.00	0.00
							Totals:		**11,970.99**			**3,758.28**		

Total Applied Force Summary

Structure:	CT03109-S		**Code:**	TIA-222-H	10/5/2023
Site Name:	Oxford 3, CT		**Exposure:**	C	
Height:	150.00 (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

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 19

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		147.09	1939.93	0.00	0.00
10.00		144.27	1905.69	0.00	0.00
15.00		141.46	1871.44	0.00	0.00
20.00		147.11	1837.19	0.00	0.00
25.00		151.06	1802.94	0.00	0.00
30.00		153.72	1768.69	0.00	0.00
35.00		155.43	1734.44	0.00	0.00
37.75		85.41	939.34	0.00	0.00
40.00		71.03	1372.62	0.00	0.00
45.00		159.24	3003.72	0.00	0.00
50.00		159.19	1470.17	0.00	0.00
55.00		158.73	1440.21	0.00	0.00
60.00		157.90	1410.24	0.00	0.00
65.00		156.76	1380.27	0.00	0.00
70.00		155.34	1350.30	0.00	0.00
75.00		153.67	1320.33	0.00	0.00
76.50		45.52	390.26	0.00	0.00
80.00	(2) attachments	162.65	1709.73	0.00	0.00
82.75		83.67	1226.36	0.00	0.00
85.00		67.93	500.46	0.00	0.00
90.00		149.82	1093.50	0.00	0.00
95.00		147.39	1067.82	0.00	0.00
100.00	(1) attachments	146.30	1047.13	0.00	0.00
105.00		142.07	1016.44	0.00	0.00
110.00		139.19	990.75	0.00	0.00
111.25		34.21	243.68	0.00	0.00
115.00		103.17	1179.11	0.00	0.00
116.50		40.70	464.57	0.00	0.00
117.00	(44) attachments	1428.70	4249.79	0.00	0.00
120.00		80.47	411.81	0.00	0.00
125.00		131.77	670.93	0.00	0.00
130.00		128.43	651.66	0.00	0.00
135.00		125.00	632.39	0.00	0.00
137.00	(37) attachments	1118.36	3475.65	0.00	0.00
140.00		72.34	324.46	0.00	0.00
145.00		117.83	525.36	0.00	0.00
147.00	(36) attachments	1262.93	4644.65	0.00	0.00
150.00		67.92	291.44	0.00	0.00
	Totals:	**8,093.81**	**53,355.47**	**0.00**	**0.00**

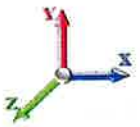
Linear Appurtenance Segment Forces (Factored)

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 19

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.015	0.000	6.526	0.00	1.37
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.015	0.000	6.526	0.00	10.40
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.015	0.000	6.526	0.00	1.37
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.015	0.000	6.526	0.00	10.40
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.016	0.000	6.526	0.00	1.37
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.016	0.000	6.526	0.00	10.40
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.016	0.000	6.925	0.00	1.37
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.016	0.000	6.925	0.00	10.40
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.016	0.000	7.258	0.00	1.37
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.016	0.000	7.258	0.00	10.40
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	7.542	0.00	1.37
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	7.542	0.00	10.40
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	7.791	0.00	1.37
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	7.791	0.00	10.40
37.75	Safety Cable	Yes	2.75	0.000	0.38	0.09	0.00	0.017	0.000	7.916	0.00	0.75
37.75	Step bolts (ladder)	Yes	2.75	0.000	0.63	0.14	0.00	0.017	0.000	7.916	0.00	5.72
40.00	Safety Cable	Yes	2.25	0.000	0.38	0.07	0.00	0.017	0.000	8.013	0.00	0.61
40.00	Step bolts (ladder)	Yes	2.25	0.000	0.63	0.12	0.00	0.017	0.000	8.013	0.00	4.68
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	8.214	0.00	1.37
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	8.214	0.00	10.40
50.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	8.398	0.00	1.37
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	8.398	0.00	10.40
55.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	8.568	0.00	1.37
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	8.568	0.00	10.40
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	8.727	0.00	1.37
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	8.727	0.00	10.40
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	8.875	0.00	1.37
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	8.875	0.00	10.40
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	9.015	0.00	1.37
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	9.015	0.00	10.40
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	9.147	0.00	1.37
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	9.147	0.00	10.40
76.50	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.020	0.000	9.185	0.00	0.41
76.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.020	0.000	9.185	0.00	3.12
80.00	Safety Cable	Yes	3.50	0.000	0.38	0.11	0.00	0.021	0.000	9.272	0.00	0.96
80.00	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.18	0.00	0.021	0.000	9.272	0.00	7.28
82.75	Safety Cable	Yes	2.75	0.000	0.38	0.09	0.00	0.021	0.000	9.338	0.00	0.75
82.75	Step bolts (ladder)	Yes	2.75	0.000	0.63	0.14	0.00	0.021	0.000	9.338	0.00	5.72
85.00	Safety Cable	Yes	2.25	0.000	0.38	0.07	0.00	0.021	0.000	9.391	0.00	0.61
85.00	Step bolts (ladder)	Yes	2.25	0.000	0.63	0.12	0.00	0.021	0.000	9.391	0.00	4.68
90.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	9.504	0.00	1.37
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	9.504	0.00	10.40
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	9.613	0.00	1.37
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	9.613	0.00	10.40
100.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	9.718	0.00	1.37
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	9.718	0.00	10.40
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	9.818	0.00	1.37

Linear Appurtenance Segment Forces (Factored)

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 19

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	9.818	0.00	10.40
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	9.915	0.00	1.37
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	9.915	0.00	10.40
111.25	Safety Cable	Yes	1.25	0.000	0.38	0.04	0.00	0.025	0.000	9.938	0.00	0.34
111.25	Step bolts (ladder)	Yes	1.25	0.000	0.63	0.07	0.00	0.025	0.000	9.938	0.00	2.60
115.00	Safety Cable	Yes	3.75	0.000	0.38	0.12	0.00	0.025	0.000	10.008	0.00	1.02
115.00	Step bolts (ladder)	Yes	3.75	0.000	0.63	0.20	0.00	0.025	0.000	10.008	0.00	7.80
116.50	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.025	0.000	10.035	0.00	0.41
116.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.025	0.000	10.035	0.00	3.12
117.00	Safety Cable	Yes	0.50	0.000	0.38	0.02	0.00	0.025	0.000	10.044	0.00	0.14
117.00	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.025	0.000	10.044	0.00	1.04
120.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.025	0.000	10.098	0.00	0.82
120.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.025	0.000	10.098	0.00	6.24
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	10.185	0.00	1.37
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	10.185	0.00	10.40
130.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	10.269	0.00	1.37
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	10.269	0.00	10.40
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	10.351	0.00	1.37
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	10.351	0.00	10.40
137.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.029	0.000	10.383	0.00	0.55
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.029	0.000	10.383	0.00	4.16
140.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.029	0.000	10.431	0.00	0.82
140.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.029	0.000	10.431	0.00	6.24
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	10.508	0.00	1.37
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	10.508	0.00	10.40
147.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	10.539	0.00	0.55
147.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	10.539	0.00	4.16
150.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.032	0.000	10.584	0.00	0.82
150.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.032	0.000	10.584	0.00	6.24
										Totals:	**0.0**	**353.0**

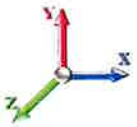
Calculated Forces

Structure:	CT03109-S	**Code:**	TIA-222-H	10/5/2023	
Site Name:	Oxford 3, CT	**Exposure:**	C		
Height:	150.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 19

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	-53.35	-8.10	0.00	-833.41	0.00	833.41	7146.92	1851.25	10209.5	9777.85	0.00	0.000	0.000	0.093
5.00	-51.41	-7.97	0.00	-792.89	0.00	792.89	7059.53	1815.92	9823.55	9472.60	0.01	-0.020	0.000	0.091
10.00	-49.50	-7.85	0.00	-753.03	0.00	753.03	6970.23	1780.59	9445.03	9169.43	0.04	-0.039	0.000	0.089
15.00	-47.63	-7.72	0.00	-713.80	0.00	713.80	6879.02	1745.26	9073.96	8868.51	0.09	-0.059	0.000	0.087
20.00	-45.79	-7.59	0.00	-675.21	0.00	675.21	6785.91	1709.93	8710.32	8569.97	0.17	-0.079	0.000	0.086
25.00	-43.98	-7.45	0.00	-637.28	0.00	637.28	6690.89	1674.60	8354.11	8273.98	0.26	-0.099	0.000	0.084
30.00	-42.21	-7.30	0.00	-600.05	0.00	600.05	6593.97	1639.28	8005.34	7980.68	0.38	-0.120	0.000	0.082
35.00	-40.48	-7.16	0.00	-563.53	0.00	563.53	6495.14	1603.95	7664.01	7690.22	0.51	-0.140	0.000	0.080
37.75	-39.54	-7.08	0.00	-543.85	0.00	543.85	6439.97	1584.52	7479.45	7531.73	0.60	-0.151	0.000	0.078
40.00	-38.16	-7.01	0.00	-527.93	0.00	527.93	6394.40	1568.62	7330.11	7402.76	0.67	-0.161	0.000	0.077
45.00	-35.16	-6.86	0.00	-492.88	0.00	492.88	5339.68	1364.48	6338.69	6151.87	0.85	-0.181	0.000	0.087
50.00	-33.68	-6.70	0.00	-458.60	0.00	458.60	5259.83	1333.56	6054.73	5921.52	1.05	-0.201	0.000	0.084
55.00	-32.24	-6.55	0.00	-425.09	0.00	425.09	5178.07	1302.65	5777.29	5693.28	1.27	-0.223	0.000	0.081
60.00	-30.83	-6.40	0.00	-392.33	0.00	392.33	5094.41	1271.74	5506.34	5467.29	1.52	-0.245	0.000	0.078
65.00	-29.45	-6.25	0.00	-360.33	0.00	360.33	5008.84	1240.83	5241.91	5243.71	1.79	-0.266	0.000	0.075
70.00	-28.10	-6.10	0.00	-329.09	0.00	329.09	4921.36	1209.91	4983.98	5022.69	2.08	-0.287	0.000	0.071
75.00	-26.78	-5.94	0.00	-298.61	0.00	298.61	4831.98	1179.00	4732.56	4804.37	2.39	-0.308	0.000	0.068
76.50	-26.38	-5.90	0.00	-289.70	0.00	289.70	4804.80	1169.73	4658.40	4739.43	2.49	-0.314	0.000	0.067
80.00	-24.67	-5.73	0.00	-269.06	0.00	269.06	4740.69	1148.09	4487.65	4588.91	2.72	-0.329	0.000	0.064
82.75	-23.45	-5.65	0.00	-253.29	0.00	253.29	3881.85	986.47	3865.33	3771.76	2.91	-0.340	0.000	0.073
85.00	-22.95	-5.58	0.00	-240.59	0.00	240.59	3850.71	974.55	3772.46	3695.92	3.08	-0.349	0.000	0.071
90.00	-21.85	-5.43	0.00	-212.69	0.00	212.69	3780.12	948.05	3570.11	3528.74	3.45	-0.370	0.000	0.066
95.00	-20.78	-5.28	0.00	-185.53	0.00	185.53	3707.63	921.56	3373.34	3363.54	3.85	-0.390	0.000	0.061
100.00	-19.74	-5.14	0.00	-159.11	0.00	159.11	3633.23	895.06	3182.15	3200.48	4.27	-0.409	0.000	0.055
105.00	-18.72	-4.99	0.00	-133.42	0.00	133.42	3556.92	868.57	2996.54	3039.70	4.71	-0.427	0.000	0.049
110.00	-17.73	-4.85	0.00	-108.46	0.00	108.46	3478.71	842.07	2816.51	2881.36	5.17	-0.443	0.000	0.043
111.25	-17.48	-4.82	0.00	-102.40	0.00	102.40	3458.86	835.45	2772.37	2842.18	5.28	-0.446	0.000	0.041
115.00	-16.31	-4.71	0.00	-84.34	0.00	84.34	3398.59	815.57	2642.05	2725.61	5.64	-0.457	0.000	0.036
116.50	-15.84	-4.66	0.00	-77.28	0.00	77.28	2333.72	616.11	2009.98	1889.41	5.78	-0.461	0.000	0.048
117.00	-11.60	-3.20	0.00	-74.95	0.00	74.95	2329.14	614.12	1997.03	1879.57	5.83	-0.462	0.000	0.045
120.00	-11.19	-3.12	0.00	-65.35	0.00	65.35	2301.24	602.20	1920.23	1820.74	6.12	-0.471	0.000	0.041
125.00	-10.52	-2.98	0.00	-49.76	0.00	49.76	2253.21	582.32	1795.56	1723.47	6.62	-0.483	0.000	0.034
130.00	-9.87	-2.85	0.00	-34.85	0.00	34.85	2203.28	562.44	1675.08	1627.33	7.14	-0.494	0.000	0.026
135.00	-9.24	-2.72	0.00	-20.60	0.00	20.60	2151.44	542.57	1558.79	1532.45	7.66	-0.501	0.000	0.018
137.00	-5.77	-1.57	0.00	-15.16	0.00	15.16	2130.17	534.62	1513.44	1494.89	7.87	-0.504	0.000	0.013
140.00	-5.45	-1.50	0.00	-10.45	0.00	10.45	2097.70	522.69	1446.67	1438.99	8.19	-0.506	0.000	0.010
145.00	-4.92	-1.37	0.00	-2.96	0.00	2.96	2042.04	502.82	1338.74	1347.10	8.72	-0.508	0.000	0.005
147.00	-0.29	-0.07	0.00	-0.21	0.00	0.21	2019.25	494.87	1296.74	1310.82	8.93	-0.509	0.000	0.000
150.00	0.00	-0.07	0.00	0.00	0.00	0.00	1984.48	482.94	1235.00	1256.93	9.25	-0.509	0.000	0.000

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 117 mph Wind	34.4	0.00	64.00	0.00	0.00	3554.67
0.9D + 1.0W 117 mph Wind	34.4	0.00	47.99	0.00	0.00	3534.62
1.2D + 1.0Di + 1.0Wi 50 mph Wind	9.7	0.00	85.64	0.00	0.00	981.98
1.2D + 1.0Ev + 1.0Eh	1.3	0.00	66.32	0.00	0.00	169.33
0.9D + 1.0Ev + 1.0Eh	1.3	0.00	50.26	0.00	0.00	168.92
1.0D + 1.0W 60 mph Wind	8.1	0.00	53.35	0.00	0.00	833.41

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 117 mph Wind	-64.00	-34.45	0.00	-3554.6	0.00	-3554.6	7146.92	1851.2	10209.5	9777.85	0.00	0.373
0.9D + 1.0W 117 mph Wind	-47.99	-34.43	0.00	-3534.6	0.00	-3534.6	7146.92	1851.2	10209.5	9777.85	0.00	0.369
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-85.64	-9.74	0.00	-981.98	0.00	-981.98	7146.92	1851.2	10209.5	9777.85	0.00	0.112
1.2D + 1.0Ev + 1.0Eh	-66.32	-1.33	0.00	-169.33	0.00	-169.33	7146.92	1851.2	10209.5	9777.85	0.00	0.027
0.9D + 1.0Ev + 1.0Eh	-50.26	-1.33	0.00	-168.92	0.00	-168.92	7146.92	1851.2	10209.5	9777.85	0.00	0.024
1.0D + 1.0W 60 mph Wind	-53.35	-8.10	0.00	-833.41	0.00	-833.41	7146.92	1851.2	10209.5	9777.85	0.00	0.093

Base Plate Summary

Structure:	CT03109-S		**Code:**	TIA-222-H	10/5/2023
Site Name:	Oxford 3, CT		**Exposure:**	C	
Height:	150.00 (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

SBA

Reactions		Base Plate		Anchor Bolts	
Original Design		**Yield (ksi):**	55.00	**Bolt Circle:**	75.00
Moment (kip-ft):	6800.00	**Width (in):**	77.00	**Number Bolts:**	28.00
Axial (kip):	55.00	**Style:**	Clipped	**Bolt Type:**	2.25" 18J
Shear (kip):	53.00	**Polygon Sides:**	0.00	**Bolt Diameter (in):**	2.25
		Clip Length (in):	19.00	**Yield (ksi):**	75.00
Analysis (1.2D + 1.0W)		**Effective Len (in):**	7.44	**Ultimate (ksi):**	100.00
Moment (kip-ft):	3554.67	**Moment (kip-in):**	335.39	**Arrangement:**	Clustered
Axial (kip):	64.00	**Allow Stress (ksi):**	74.25	**Cluster Dist (in):**	6.00
Shear (kip):	34.45	**Applied Stress (ksi):**	29.70	**Start Angle (deg):**	45.00
		Stress Ratio:	0.40	Compression	
				Force (kip):	83.54
				Allowable (kip):	268.39
				Ratio:	0.31
				Tension	
				Force (kip):	78.96
				Allowable (kip):	243.75
				Ratio:	0.32

Monopole Mat Foundation Design

			Date: 10/5/2023
Customer Name:	Verizon	TIA Standard:	TIA-222-H
Site Name:	Oxford 3 CT	Structure Height (Ft.):	150
Site Number:	CT03109-S	Engineer Name:	SBA Engineer
Engr. Number:		Engineer Login ID:	

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

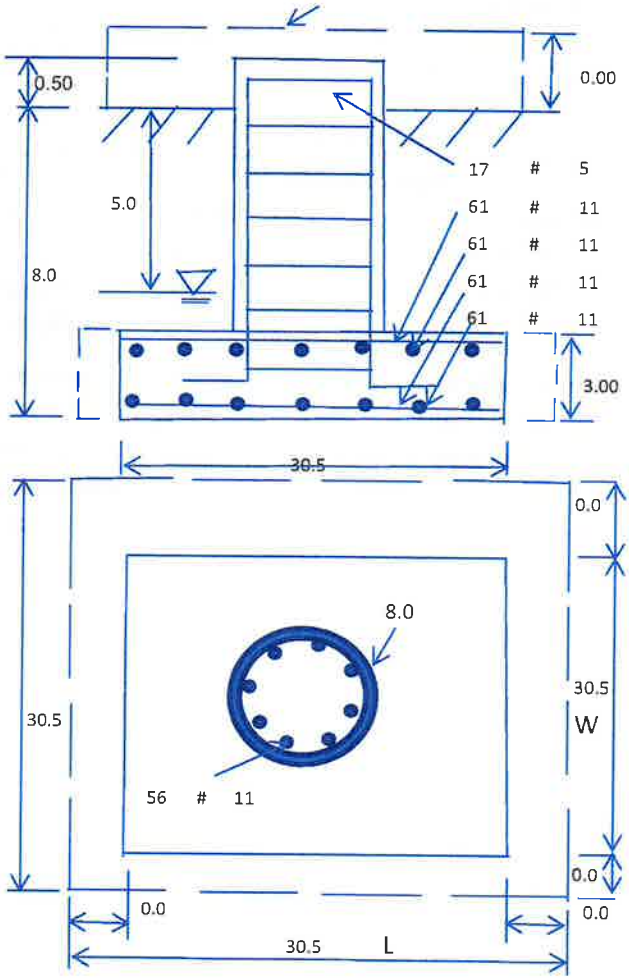
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	64.0	Shear Force (Kips):	34.5
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3554.7

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	8.0	Depth of Base BG (ft.):	8.0
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	3.00
Length of Pad (ft.):	30.5	Width of Pad (ft.):	30.5
Final Length of pad (ft)	30.5	Final width of pad (ft):	30.5



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 #:	11	Tie / Stirrup Size #:	5	
Qty. of Vertical Rebars:	56	Tie Spacing (in):	6.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	11	
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):	61	Qty. of Rebar in Pad (W):	61	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	61	Qty. of Rebar in Pad (W):	61	

Soil Design Parameters:

Soil Unit Weight (pcf):	125.0	Soil Buoyant Weight:	62.6	Pcf		
Water Table B.G.S. (ft):	5.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	16000	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):	No		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	No	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.):	4399.92	Total Dry Soil Weight (Kips):	549.99
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	549.99	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	276.46	Total Dry Concrete Weight (Kips):	41.47
Total Buoyant Concrete Volume (cu. Ft.):	2790.75	Total Buoyant Concrete Weight (Kips):	244.47
Total Effective Concrete Weight (Kips):	285.94	Total Vertical Load on Base (Kips):	899.93

Check Soil Capacities:

				Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	1590	<	Allowable Factored Soil Bearing (psf): 12000	0.13	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	12449.1	>	Design Factored Momont (kips-ft): 3847	0.31	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	3.24	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):	1.56		Tie / Stirrup Area (sq. in./each):	0.31		
Calculated Moment Capacity (Mn,Kips-Ft):	15495.8	>	Design Factored Moment (Mu, Kips-Ft	3744.1	0.24	OK!
Calculated Shear Capacity (Kips):	912.1	>	Design Factored Shear (Kips):	34.5	0.04	OK!
Calculated Tension Capacity (Tn, Kips):	4717.4	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	9482.1	>	Design Factored Axial Load (Pu Kips):	64.0	0.01	OK!
Moment & Axial Strength Combination:	0.24	OK!	Check Tie Spacing (Design/Required):		0.5	OK!
Pier Reinforcement Ratio:	0.012		Reinforcement Ratio is satisfied per ACI			
(2).Concrete Pad:						
One-Way Design Shear Capacity (L-Direction, Kips):	971.6	>	One-Way Factored Shear (L-D. Kips):	250.6	0.26	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	971.6	>	One-Way Factored Shear (W-D., Kips):	250.6	0.26	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	947.7	>	One-Way Factored Shear (C-C, Kips):	229.6	0.24	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0080	OK!	Lower Steel Pad Reinf. Ratio (W-Direct	0.0080		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	12527.0	>	Moment at Bottom (L-Dir. K-Ft):	1661.0	0.13	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	12527.0	>	Moment at Bottom (W-Dir. K-Ft):	1661.0	0.13	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	17294.1	>	Moment at Bottom (C-C Dir. K-Ft):	2349.0	0.14	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0080	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0080		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	12527.0	>	Moment at the top (L-Dir K-Ft):	581.8	0.05	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	12527.0	>	Moment at the top (W-Dir K-Ft):	581.8	0.05	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	17294.1	>	Moment at the top (C-C Dir. K-Ft):	544.7	0.03	OK!

(3).Check Punching Shear Capacity due to Moment in the Pier:

Moment transferred by punching shear:	1421.9	k-ft.	Max. factored shear stress v_{u_CD}:	1.2	Psi
Max. factored shear stress v_{u_AB}:	9.1	Psi	Factored shear Strength ϕv_n:	164.3	Psi
Max. factored shear stress v_u:	9.1	Psi	Check Usage of Punching Shear Capacity:	0.06	OK!

(4).Check Bending Capacity of the Pad Within the Effective Slab Width:

Overturning moment to be transferred by flexure:	1066.4	k-ft.	Effective Width for resisting OT moment:	17.0	ft.
Calculated number of Rebar in Effective width:	34		Actual number of Rebar in Effective width:	34	
Steel Pad Moment Capacity (L-Direc. Kips-ft):	6982.3	k-ft.	Check Usage of the Flexure Capacity:	0.15	OK!

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

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10210302
Colliers Engineering & Design CT, P.C. Project #: 23777294

September 27, 2023

Site Information	*Site ID:*	*5000382570-VZW / SOUTHFORD CT*
	Site Name:	*SOUTHFORD CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*106 Willenbrock Rd.* *Oxford, Connecticut 06478* *New Haven County*
	Latitude:	*41.465110°*
	Longitude:	*-73.146111°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*12.92-Ft Platform*

FUZE ID # 17136772

Analysis Results

Platform: **44.6% Pass***

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

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

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

Report Prepared By: Gianna Argentina

Digitally signed by Derek Hartzell
Date: 2023.09.27 13:37:06-07'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 675048, dated July 22, 2021*
Mount Mapping Report	*OnSight Services, LLC, Site ID: 467915, dated October 2, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21781060A, dated October 25, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21781060A, dated October 25, 2021*
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:	0.982
Seismic Parameters:	S_S:	0.199 g
	S_1:	0.054 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
135.50	137.00	3	Samsung	RF4439d-25A	Retained
		6	Commscope	NHH-65B-R2B	
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	RF4440d-13A	
		3	Amphenol Antel	BXA-70063-6CF	
		2	KAelus	KA-6030	Added

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
MOD Corner Angle	29.7%	Pass
MOD Support Rail	16.8%	Pass
Mount Pipe	38.2%	Pass
Platform Support	25.6%	Pass
Standoff	44.6%	Pass
Corner Angle	8.4%	Pass
Face Horizontal	42.4%	Pass
Mount Connection	10.3%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	44.6%

BASELINE mount weight per SBA agreement: 1704.08 lbs

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

The weights listed above include 3 sectors.

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

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	18.9	18.8	30.5	30.4
0.5	23.9	24.0	40.5	40.4
1	28.7	28.8	50.2	50.0

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 sectors.
- 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 verify modifications detailed in Construction Drawings by Maser Consulting Connecticut (Project #: 21781060A) dated October 25, 2021 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications**.

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

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

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

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MDG #: 5000382570 SMART Project #: 10210302 Fuze Project ID: 17136772

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

OR

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

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

Issue:

Contractor shall verify modifications detailed in Construction Drawings by Maser Consulting Connecticut (Project #: 21781060A) dated October 25, 2021 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications**.

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

Response:

Special Instruction Confirmation:

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

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

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

OR

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

Comments:

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

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

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

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

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

Structure: 5000382570-VZW - SOUTHFORD CT

Sector: A

Structure Type: Monopole

Mount Elev: 135.50

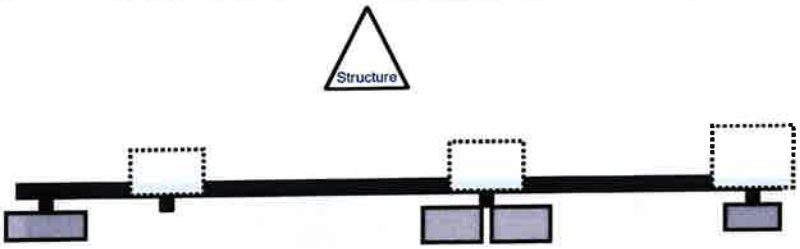
10210302

9/26/2023

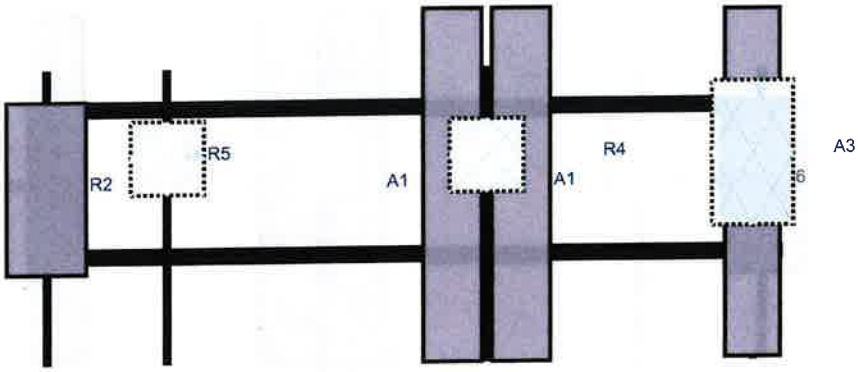
Page: 1

Colliers Engineering & Design

Plan View



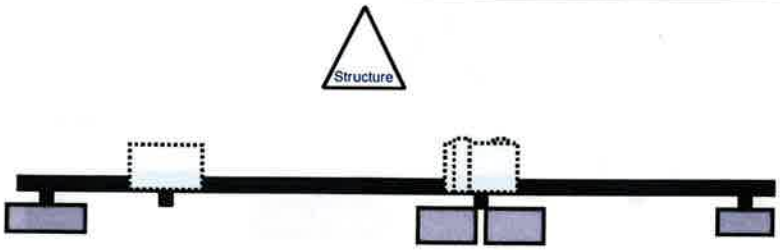
Front View - Looking at Structure



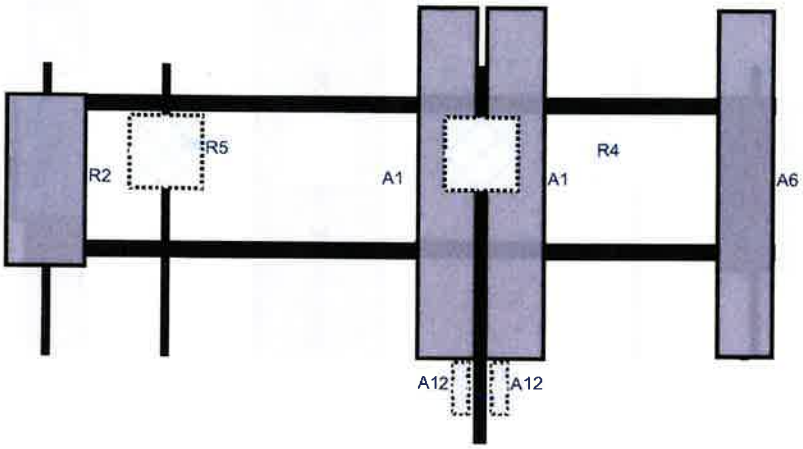
4 3 2 1

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	BXA-70063-6CF	71	11.2	149	1	a	Front	24	0	Retained	10/02/2021
A3	RVZDC-6627-PF-48	29.5	16.5	149	1	a	Behind	18	0	Retained	
A1	NHH-65B-R2B	72	11.9	95	2	a	Front	24	7	Retained	
A1	NHH-65B-R2B	72	11.9	95	2	b	Front	24	-7	Retained	
R4	RF4439d-25A	15	15	95	2	a	Behind	18	0	Retained	
R5	RF4440d-13A	15	15	30.5	3	a	Behind	18	0	Retained	
R2	MT6407-77A	35.1	16.1	6	4	a	Front	24	0	Retained	

Plan View

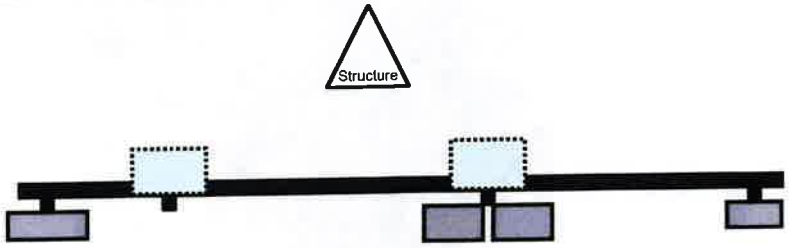


Front View - Looking at Structure

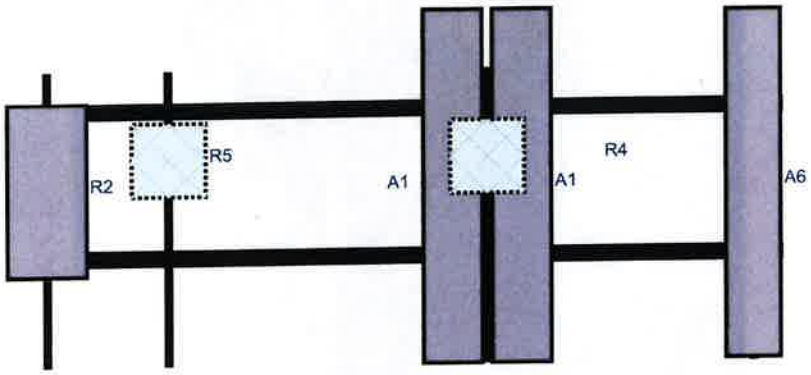


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	BXA-70063-6CF	71	11.2	149	1	a	Front	24	0	Retained	10/02/2021
A1	NHH-65B-R2B	72	11.9	95	2	a	Front	24	7	Retained	
A1	NHH-65B-R2B	72	11.9	95	2	b	Front	24	-7	Retained	
R4	RF4439d-25A	15	15	95	2	a	Behind	18	0	Retained	
A12	KA-6030	10.6	3.2	95	2	a	Behind	66	-4	Added	
A12	KA-6030	10.6	3.2	95	2	b	Behind	66	4	Added	
R5	RF4440d-13A	15	15	30.5	3	a	Behind	18	0	Retained	
R2	MT6407-77A	35.1	16.1	6	4	a	Front	24	0	Retained	

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
A6	BXA-70063-6CF	71	11.2	149	1	a	Front	24	0	Retained	10/02/2021
A1	NHH-65B-R2B	72	11.9	95	2	a	Front	24	7	Retained	
A1	NHH-65B-R2B	72	11.9	95	2	b	Front	24	-7	Retained	
R4	RF4439d-25A	15	15	95	2	a	Behind	18	0	Retained	
R5	RF4440d-13A	15	15	30.5	3	a	Behind	18	0	Retained	
R2	MT6407-77A	35.1	16.1	6	4	a	Front	24	0	Retained	


10/2/2021

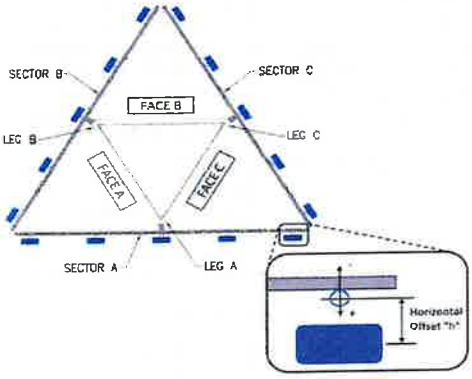
V4.0 Updated on 3-31-2021

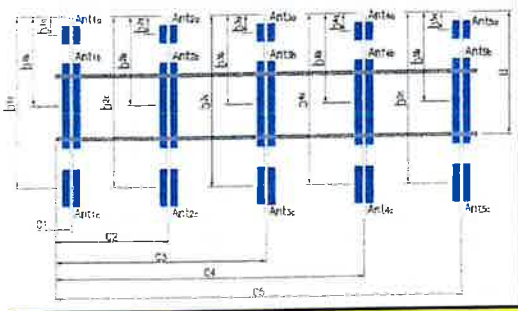
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	SBA	**Mapping Date:**	10/2/2021
Site Name:	Southford CT	**Tower Type:**	Monopole
Site Number or ID:	467915	**Tower Height (Ft.):**	
Mapping Contractor:	On Sight	**Mount Elevation (Ft.):**	130

Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."
A1	59-3/4" x 2.4" x 7/32"	38.00	6.00	C1	59-3/4" x 2.4" x 7/32"	38.00	6.00
A2	80-1/4" x 2.4" x 7/32"	47.38	54.00	C2	80-1/4" x 2.4" x 7/32"	47.38	54.00
A3	60" x 2.4" x 7/32"	38.75	124.50	C3	60" x 2.4" x 7/32"	38.75	124.00
A4	59-1/2" x 2.4" x 7/32"	38.00	149.00	C4	59-1/2" x 2.4" x 7/32"	38.00	149.00
A5				C5			
A6				C6			
B1	59-3/4" x 2.4" x 7/32"	38.00	6.00	D1			
B2	80-1/4" x 2.4" x 7/32"	47.38	54.00	D2			
B3	60" x 2.4" x 7/32"	38.75	124.50	D3			
B4	59-1/2" x 2.4" x 7/32"	38.00	149.00	D4			
B5				D5			
B6				D6			

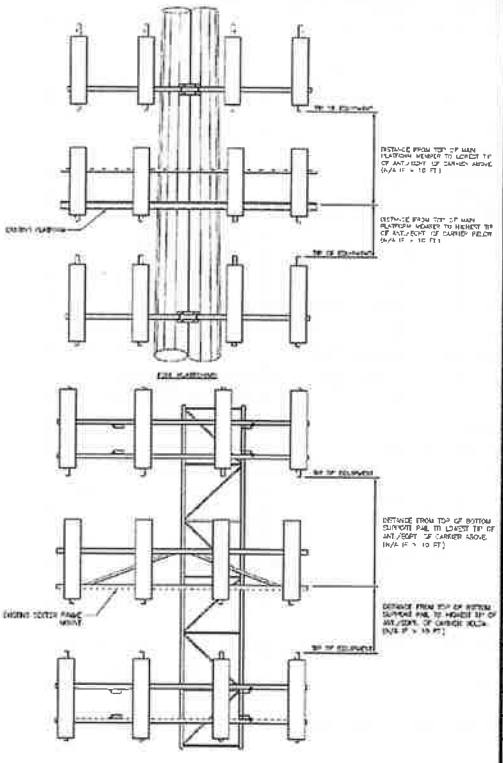
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	62.5
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	
Tower Face Width at Mount Elev. (ft.): 12.91 — Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.	

	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}										
Ant_{1b}	LPA-80063/6CF E-DIN					131.25	23.00	14.50	300.00	197
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN-2					131.115	34.00	10.50	300.00	1
Ant_{2c}		6.00	1.75	7.00			34.00	-2.50	300.00	204
Ant_{3a}										
Ant_{3b}	BXA-171063-8CF-EDIN-2					131.146	25.00	7.50	300.00	41
Ant_{3c}		6.00	1.75	7.00			34.00	-2.50	300.00	213
Ant_{4a}										
Ant_{4b}	LPA-80063/6CF E-DIN					131.25	23.00	15.00	300.00	41
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

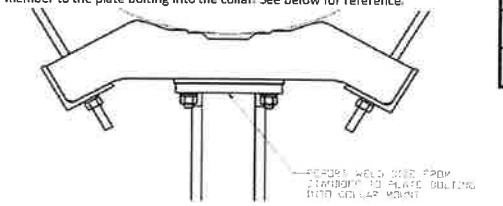
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	300.00	Deg	Leg A:		Deg
Sector B:	60.00	Deg	Leg B:		Deg
Sector C:	180.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	200.00	Deg	Other
Climbing Facility	Corrosion Type:		N/A
	Access:		N/A
	Condition:		N/A

Please insert a photo of the mount centerline measurement here.



For T-Arms/Platforms on monopoles, record the weld size from the main standoff member to the plate bolting into the collar. See below for reference.



Sector B											
Ant_{1a}											
Ant_{1b}	LPA-80063/6CF E-DIN					131.25	23.00	14.50	60.00	197
Ant_{1c}											
Ant_{2a}											
Ant_{2b}	BXA-70063-6CF-EDIN-2					131.115	34.00	10.50	60.00	1
Ant_{2c}		6.00	1.75	7.00			34.00	-2.50	60.00	204
Ant_{3a}										
Ant_{3b}	BXA-171063-8CF-EDIN-2					131.146	25.00	7.50	60.00	41
Ant_{3c}		6.00	1.75	7.00			34.00	-2.50	60.00	213
Ant_{4a}										
Ant_{4b}	LPA-80063/6CF E-DIN					131.25	23.00	15.00	60.00	41
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C											
Ant_{1a}											
Ant_{1b}	LPA-80063/6CF E-DIN					131.25	23.00	14.50	180.00	197
Ant_{1c}											
Ant_{2a}											
Ant_{2b}	BXA-70063-6CF-EDIN-2					131.115	34.00	10.50	180.00	1
Ant_{2c}		6.00	1.75	7.00			34.00	-2.50	180.00	204
Ant_{3a}										
Ant_{3b}	BXA-171063-8CF-EDIN-2					131.146	25.00	7.50	180.00	41
Ant_{3c}		6.00	1.75	7.00			34.00	-2.50	180.00	213
Ant_{4a}										
Ant_{4b}	LPA-80063/6CF E-DIN					131.25	23.00	15.00	180.00	41
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		

Observed Obstructions to Tower Lighting System					
If the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below.					Photo #
Description of Obstruction:					
Type of Light:		Photo #		Additional Comments:	
Lighting Technology:		Photo #			
Elevation (AGL) at base of light (Ft.):		Photo #			
Is a service loop available?		Photo #			
Is beacon installed on an extension?		Photo #			

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.

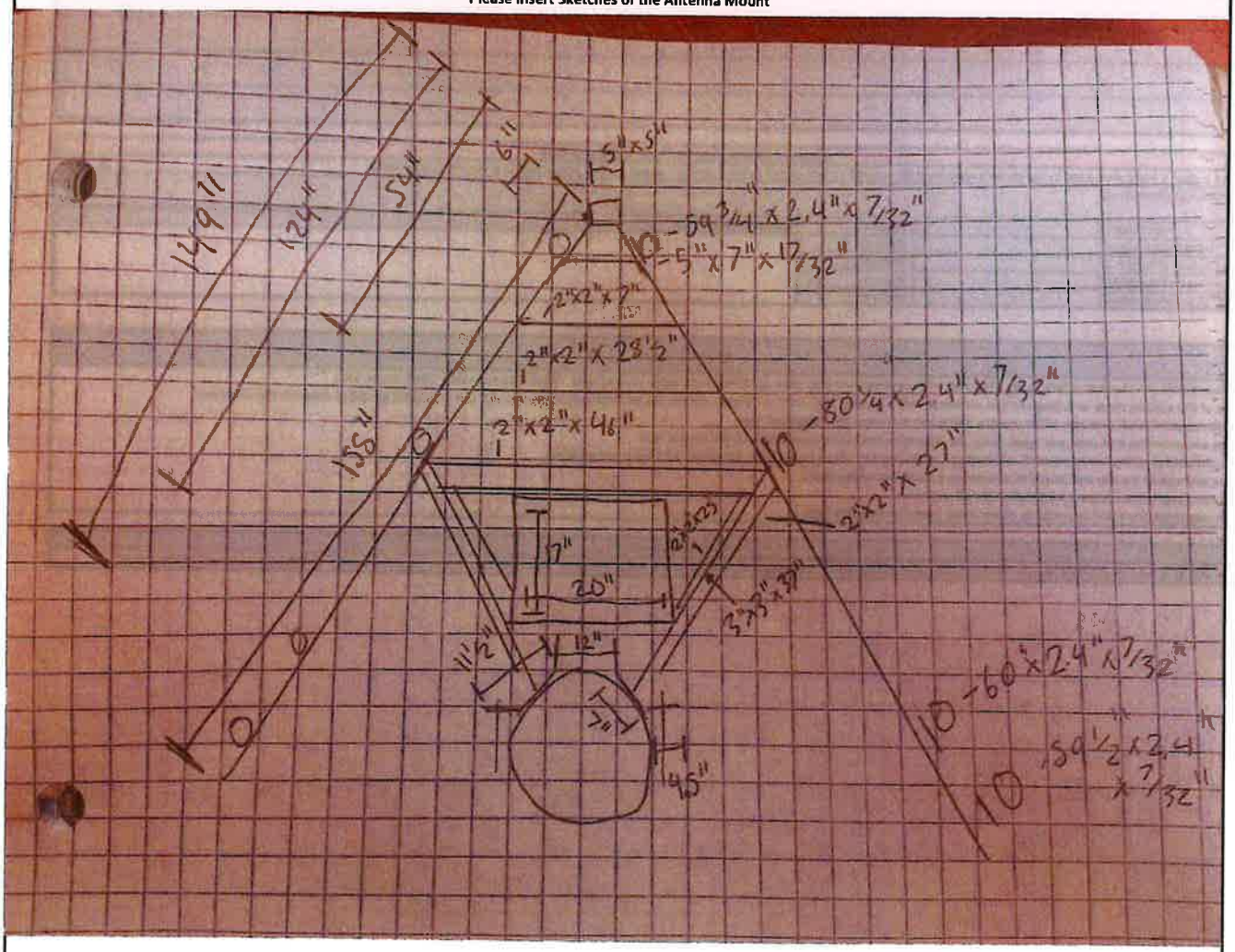
V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

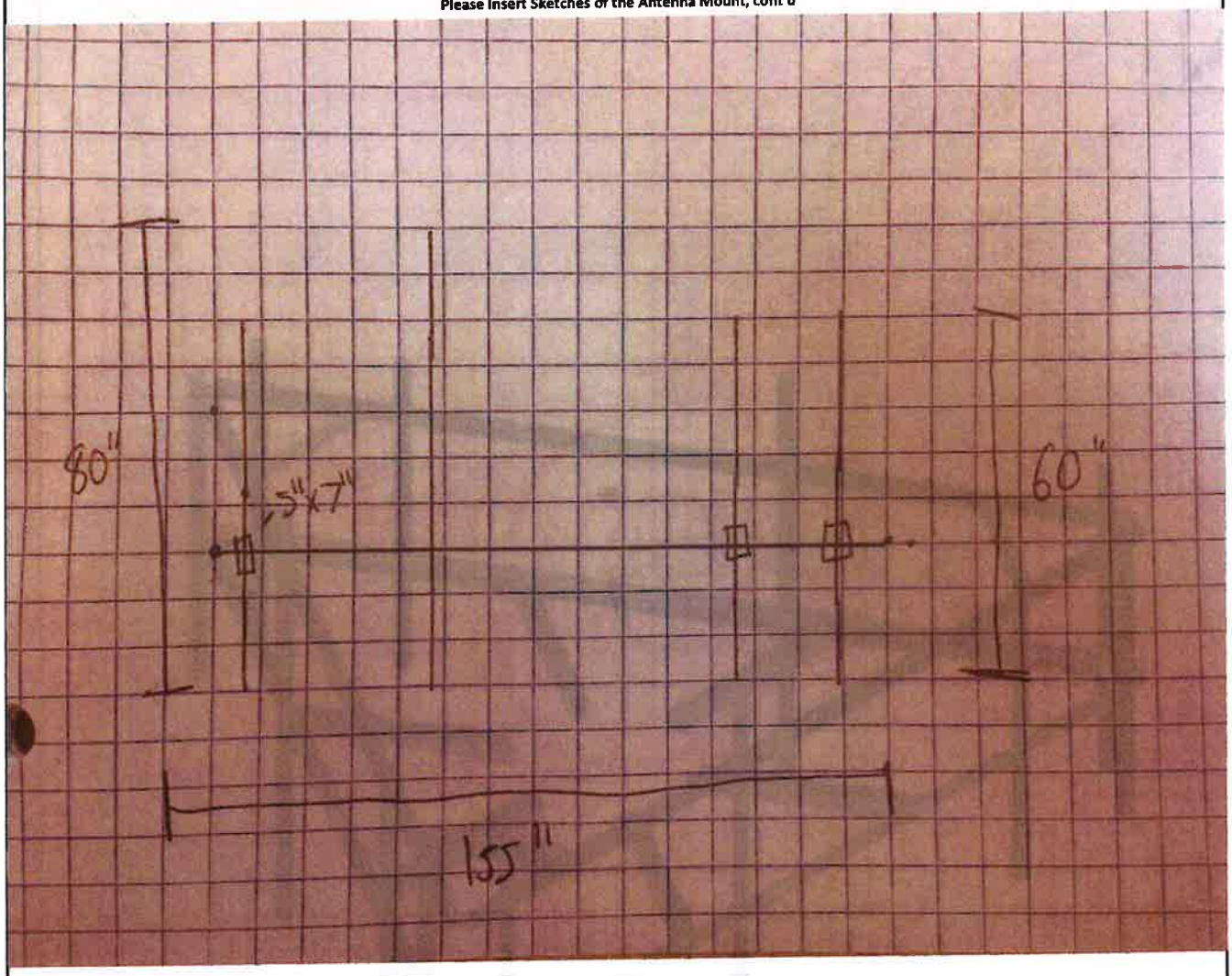
FCC #

Tower Owner:	SBA	Mapping Date:	10/2/2021
Site Name:	Southford CT	Tower Type:	Monopole
Site Number or ID:	467915	Tower Height (FL):	
Mapping Contractor:	Colliers	Mount Elevation (FL):	130

Please Insert Sketches of the Antenna Mount

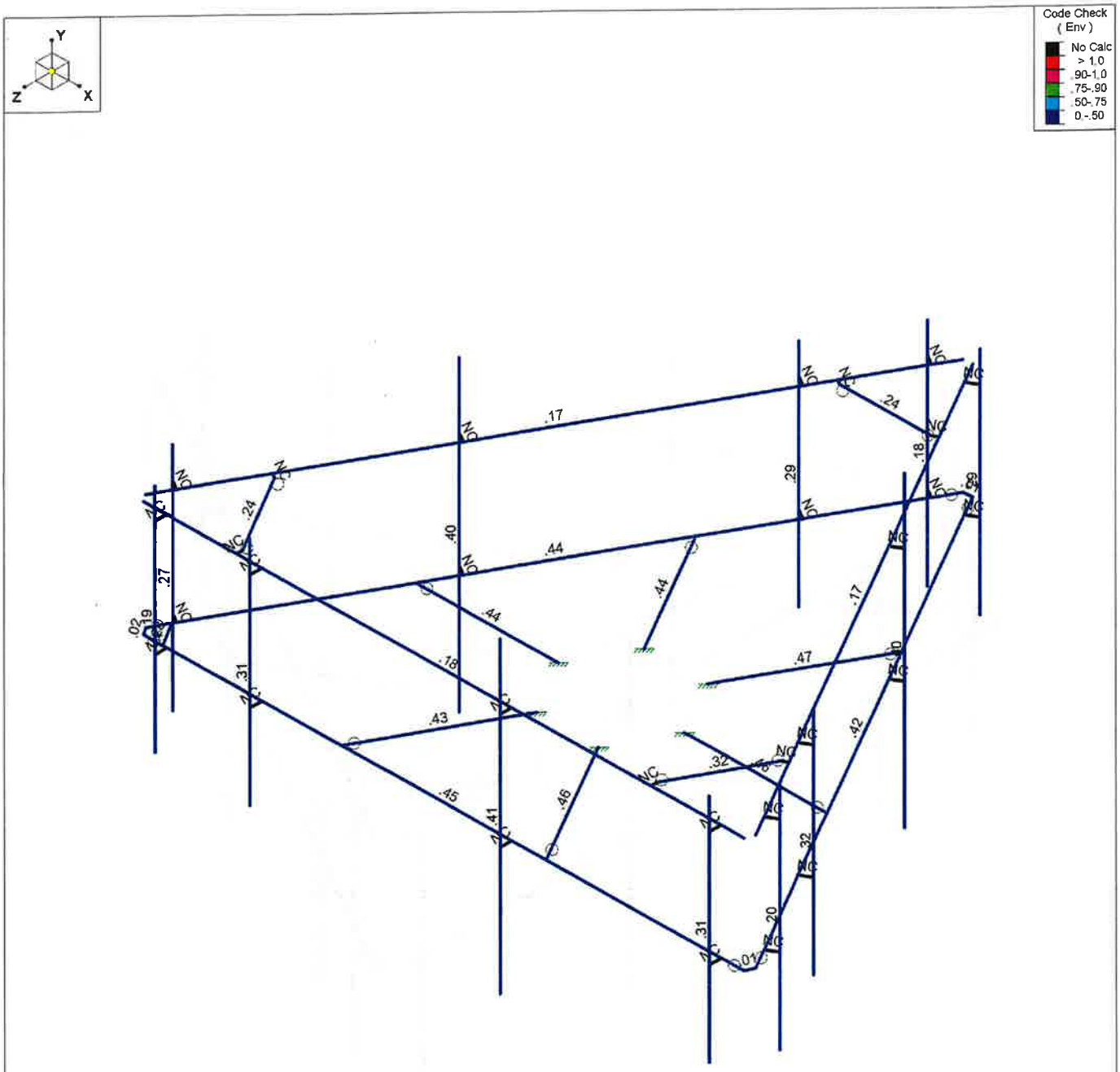


Please Insert Sketches of the Antenna Mount, cont'd



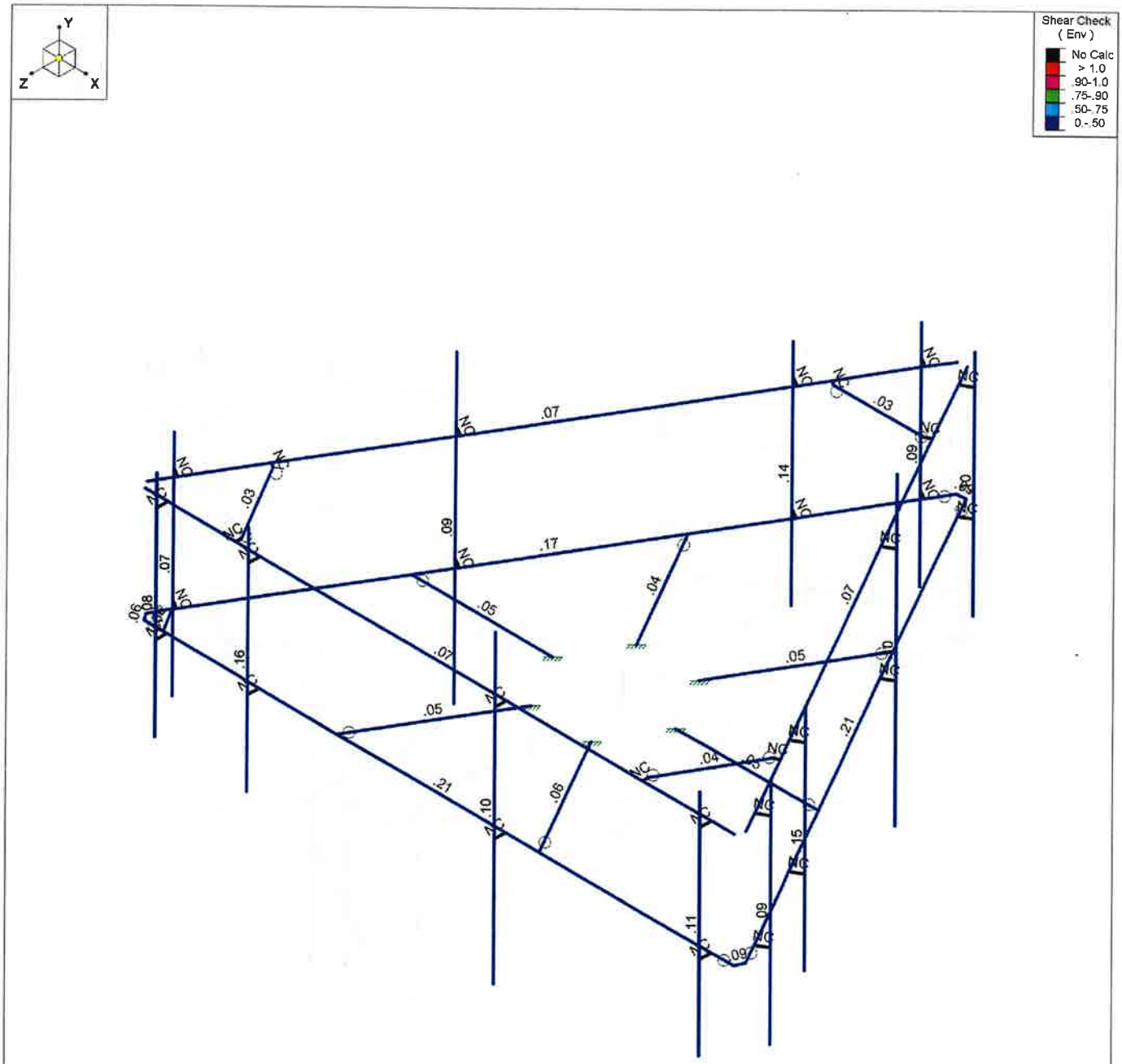
Envelope Only Solution

Colliers Engineering & Des...	5000382570-VZW_MT_LO_H	SK - 1
		Sept 26, 2023 at 11:04 AM
		5000382570-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & Des...	5000382570-VZW_MT_LO_H	SK - 2
		Sept 26, 2023 at 11:05 AM
		5000382570-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & Des...	5000382570-VZW_MT_LO_H	SK - 3
		Sept 26, 2023 at 11:05 AM
		5000382570-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					99			
2	Antenna Di	None					99			
3	Antenna Wo (0 Deg)	None					99			
4	Antenna Wo (30 Deg)	None					99			
5	Antenna Wo (60 Deg)	None					99			
6	Antenna Wo (90 Deg)	None					99			
7	Antenna Wo (120 Deg)	None					99			
8	Antenna Wo (150 Deg)	None					99			
9	Antenna Wo (180 Deg)	None					99			
10	Antenna Wo (210 Deg)	None					99			
11	Antenna Wo (240 Deg)	None					99			
12	Antenna Wo (270 Deg)	None					99			
13	Antenna Wo (300 Deg)	None					99			
14	Antenna Wo (330 Deg)	None					99			
15	Antenna Wi (0 Deg)	None					99			
16	Antenna Wi (30 Deg)	None					99			
17	Antenna Wi (60 Deg)	None					99			
18	Antenna Wi (90 Deg)	None					99			
19	Antenna Wi (120 Deg)	None					99			
20	Antenna Wi (150 Deg)	None					99			
21	Antenna Wi (180 Deg)	None					99			
22	Antenna Wi (210 Deg)	None					99			
23	Antenna Wi (240 Deg)	None					99			
24	Antenna Wi (270 Deg)	None					99			
25	Antenna Wi (300 Deg)	None					99			
26	Antenna Wi (330 Deg)	None					99			
27	Antenna Wm (0 Deg)	None					99			
28	Antenna Wm (30 Deg)	None					99			
29	Antenna Wm (60 Deg)	None					99			
30	Antenna Wm (90 Deg)	None					99			
31	Antenna Wm (120 De...	None					99			
32	Antenna Wm (150 De...	None					99			
33	Antenna Wm (180 De...	None					99			
34	Antenna Wm (210 De...	None					99			
35	Antenna Wm (240 De...	None					99			
36	Antenna Wm (270 De...	None					99			
37	Antenna Wm (300 De...	None					99			
38	Antenna Wm (330 De...	None					99			
39	Structure D	None		-1					9	
40	Structure Di	None						31	9	
41	Structure Wo (0 Deg)	None						62		
42	Structure Wo (30 Deg)	None						62		
43	Structure Wo (60 Deg)	None						62		
44	Structure Wo (90 Deg)	None						62		
45	Structure Wo (120 D...	None						62		
46	Structure Wo (150 D...	None						62		
47	Structure Wo (180 D...	None						62		
48	Structure Wo (210 D...	None						62		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
49	Structure Wo (240 D...	None						62		
50	Structure Wo (270 D...	None						62		
51	Structure Wo (300 D...	None						62		
52	Structure Wo (330 D...	None						62		
53	Structure Wi (0 Deg)	None						62		
54	Structure Wi (30 Deg)	None						62		
55	Structure Wi (60 Deg)	None						62		
56	Structure Wi (90 Deg)	None						62		
57	Structure Wi (120 De...	None						62		
58	Structure Wi (150 De...	None						62		
59	Structure Wi (180 De...	None						62		
60	Structure Wi (210 De...	None						62		
61	Structure Wi (240 De...	None						62		
62	Structure Wi (270 De...	None						62		
63	Structure Wi (300 De...	None						62		
64	Structure Wi (330 De...	None						62		
65	Structure Wm (0 Deg)	None						62		
66	Structure Wm (30 D...	None						62		
67	Structure Wm (60 D...	None						62		
68	Structure Wm (90 D...	None						62		
69	Structure Wm (120 ...	None						62		
70	Structure Wm (150 ...	None						62		
71	Structure Wm (180 ...	None						62		
72	Structure Wm (210 ...	None						62		
73	Structure Wm (240 ...	None						62		
74	Structure Wm (270 ...	None						62		
75	Structure Wm (300 ...	None						62		
76	Structure Wm (330 ...	None						62		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					99			
82	Antenna Eh (0 Deg)	None					66			
83	Antenna Eh (90 Deg)	None					66			
84	Structure Ev	ELY		-.042					9	
85	Structure Eh (0 Deg)	ELZ			-.106				9	
86	Structure Eh (90 Deg)	ELX	.106						9	
87	BLC 39 Transient Are...	None						49		
88	BLC 40 Transient Are...	None						49		
89	BLC 84 Transient Are...	None						49		
90	BLC 85 Transient Are...	None						49		
91	BLC 86 Transient Are...	None						49		

Load Combinations

	Description	SolveP...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.2D+1.0...	Yes	Y	1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0...	Yes	Y	1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0...	Yes	Y	1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0...	Yes	Y	1	1.2	39	1.2	6	1	44	1												

Load Combinations (Continued)

	Description	Solve	P...	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				

Load Combinations (Continued)

	Description	SolveP...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
57	1.2D + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	CP	-0.013947	0	-3.840949	0	
3	N3	6.458333	0	0	0	
4	N4	-6.458333	0	0	0	
5	N6	0.076273	0	-11.366583	0	
6	N7	6.534606	0	-0.180422	0	
7	N9	-6.576447	0	-0.156265	0	
8	N10	-0.118114	0	-11.342427	0	
9	N9A	-2.208333	0	0	0	
10	N10A	2.208333	0	0	0	
11	N12	4.409606	0	-3.86103	0	
12	N13	2.201273	0	-7.685975	0	
13	N15	-2.243114	0	-7.661819	0	
14	N16	-4.451447	0	-3.836873	0	
15	N15A	-0.678804	0	-2.677216	0	
16	N16A	0.664214	0	-2.668828	0	
17	N17	-1.368115	0	-3.839706	0	
18	N18	-0.689342	0	-4.998599	0	
19	N19	0.66206	0	-5.014315	0	
20	N20	1.326304	0	-3.847033	0	
21	N21	-6.041667	0	0	0	
22	N22	6.041667	0	0	0	
23	N24	6.326273	0	-0.541266	0	
24	N25	0.284606	0	-11.00574	0	
25	N27	-0.326447	0	-10.981583	0	
26	N28	-6.368114	0	-0.517109	0	
27	N27A	-4.291667	0	0	0	
28	N28A	4.291667	0	0	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
29	N30	5.451273	0	-2.05681	0	
30	N31	1.159606	0	-9.490195	0	
31	N33	-1.201447	0	-9.466038	0	
32	N34	-5.493114	0	-2.032653	0	
33	N39	3.967281	0	-3.859022	0	
34	N40	1.986496	0	-0.38342	0	
35	N39A	3.389655	0	-2.845486	0	
36	N40A	2.564414	0	-1.397469	0	
37	N41	1.874111	0	-3.720486	0	
38	N42	1.040791	0	-2.277133	0	
39	N43	1.948804	0	-3.849859	0	
40	N44	0.965894	0	-2.147409	0	
41	N45	-0.981489	0	-2.147409	0	
42	N47	0.961725	0	-5.534454	0	
43	N48	-0.991804	0	-5.517031	0	
44	N49	-1.983031	0	-3.839141	0	
45	N45A	-1.98928	0	-0.38342	0	
46	N47A	1.977982	0	-7.298404	0	
47	N48A	-2.010204	0	-7.262603	0	
48	N49A	-4.007854	0	-3.837281	0	
49	N49B	5.958333	0	0	0	
50	N50	5.958333	0	.25	0	
51	N51	5.958333	3.166667	.25	0	
52	N52	5.958333	-1.833333	.25	0	
53	N53	-3.916667	0	0	0	
54	N54	-3.916667	0	.25	0	
55	N55	-3.916667	3.166667	.25	0	
56	N56	-3.916667	-1.833333	.25	0	
57	N57	-5.958333	0	0	0	
58	N58	-5.958333	0	.25	0	
59	N59	-5.958333	3.166667	.25	0	
60	N60	-5.958333	-1.833333	.25	0	
61	N61	1.458333	0	0	0	
62	N62	1.458333	0	.25	0	
63	N63	1.458333	3.916667	.25	0	
64	N64	1.458333	-2.75	.25	0	
65	N66	0.326273	0	-10.933571	0	
66	N67	0.542779	0	-11.058571	0	
67	N68	0.542779	3.166667	-11.058571	0	
68	N69	0.542779	-1.833333	-11.058571	0	
69	N70	5.263773	0	-2.38157	0	
70	N71	5.480279	0	-2.50657	0	
71	N72	5.480279	3.166667	-2.50657	0	
72	N73	5.480279	-1.833333	-2.50657	0	
73	N74	6.284606	0	-0.613435	0	
74	N75	6.501112	0	-0.738435	0	
75	N76	6.501112	3.166667	-0.738435	0	
76	N77	6.501112	-1.833333	-0.738435	0	
77	N78	2.576273	0	-7.036456	0	
78	N79	2.792779	0	-7.161456	0	
79	N80	2.792779	3.916667	-7.161456	0	
80	N81	2.792779	-2.75	-7.161456	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
81	N83	-6.326447	0	-0.589278	0	
82	N84	-6.542953	0	-0.714278	0	
83	N85	-6.542953	3.166667	-0.714278	0	
84	N86	-6.542953	-1.833333	-0.714278	0	
85	N87	-1.388947	0	-9.141279	0	
86	N88	-1.605453	0	-9.266279	0	
87	N89	-1.605453	3.166667	-9.266279	0	
88	N90	-1.605453	-1.833333	-9.266279	0	
89	N91	-0.368114	0	-10.909414	0	
90	N92	-0.58462	0	-11.034414	0	
91	N93	-0.58462	3.166667	-11.034414	0	
92	N94	-0.58462	-1.833333	-11.034414	0	
93	N95	-4.076447	0	-4.486392	0	
94	N96	-4.292953	0	-4.611392	0	
95	N97	-4.292953	3.916667	-4.611392	0	
96	N98	-4.292953	-2.75	-4.611392	0	
97	N97A	6.458333	2.5	0	0	
98	N98A	-6.458333	2.5	0	0	
99	N99	0.076273	2.5	-11.366583	0	
100	N100	6.534606	2.5	-0.180422	0	
101	N101	-6.576447	2.5	-0.156265	0	
102	N102	-0.118114	2.5	-11.342427	0	
103	N103	5.958333	2.5	0	0	
104	N104	5.958333	2.5	.25	0	
105	N105	-3.916667	2.5	0	0	
106	N106	-3.916667	2.5	.25	0	
107	N107	-5.958333	2.5	0	0	
108	N108	-5.958333	2.5	.25	0	
109	N109	1.458333	2.5	0	0	
110	N110	1.458333	2.5	.25	0	
111	N111	0.326273	2.5	-10.933571	0	
112	N112	0.542779	2.5	-11.058571	0	
113	N113	5.263773	2.5	-2.38157	0	
114	N114	5.480279	2.5	-2.50657	0	
115	N115	6.284606	2.5	-0.613435	0	
116	N116	6.501112	2.5	-0.738435	0	
117	N117	2.576273	2.5	-7.036456	0	
118	N118	2.792779	2.5	-7.161456	0	
119	N119	-6.326447	2.5	-0.589278	0	
120	N120	-6.542953	2.5	-0.714278	0	
121	N121	-1.388947	2.5	-9.141279	0	
122	N122	-1.605453	2.5	-9.266279	0	
123	N123	-0.368114	2.5	-10.909414	0	
124	N124	-0.58462	2.5	-11.034414	0	
125	N125	-4.076447	2.5	-4.486392	0	
126	N126	-4.292953	2.5	-4.611392	0	
127	N127	-4.458333	2.5	0	0	
128	N128	4.458333	2.5	0	0	
129	N129	-4.458333	2.5	-.125	0	
130	N130	4.458333	2.5	-.125	0	
131	N132	5.534606	2.5	-1.912473	0	
132	N133	1.076273	2.5	-9.634533	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
133	N134	5.426353	2.5	-1.849973	0	
134	N135	0.968019	2.5	-9.572033	0	
135	N137	-1.118114	2.5	-9.610376	0	
136	N138	-5.576447	2.5	-1.888316	0	
137	N139	-1.00986	2.5	-9.547876	0	
138	N140	-5.468194	2.5	-1.825816	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Standoff	HSS3X3X4	Beam	Tube	A500 Gr. B 46	Typical	2.44	3.02	3.02	5.08
2	Platform Support	L2x2x3	Beam	Single An...	A36 Gr.36	Typical	.722	.271	.271	.009
3	Face Horizontal	L3X3X6	Beam	Single An...	A36 Gr.36	Typical	2.11	1.75	1.75	.101
4	Corner Angle	L5X5X5	Beam	Single An...	A36 Gr.36	Typical	3.07	7.44	7.44	.108
5	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
6	TES Face Horizontal	L7x5x8	Column	Pipe	A53 Gr. B	Typical	5.75	12.43	28.805	.453
7	MOD Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
8	MOD Corner Angle	L3X3X4	Beam	Single An...	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N4			Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
2	M2	N6	N7			Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
3	M3	N9	N10			Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
4	M4	N4	N9			Corner Angle	Beam	Single Angle	A36 Gr.36	Typical
5	M5	N7	N3			Corner Angle	Beam	Single Angle	A36 Gr.36	Typical
6	M6	N10	N6			Corner Angle	Beam	Single Angle	A36 Gr.36	Typical
7	M7	N9A	N15A			Standoff	Beam	Tube	A500 Gr. ...	Typical
8	M8	N10A	N16A			Standoff	Beam	Tube	A500 Gr. ...	Typical
9	M9	N16	N17			Standoff	Beam	Tube	A500 Gr. ...	Typical
10	M10	N15	N18			Standoff	Beam	Tube	A500 Gr. ...	Typical
11	M11	N13	N19			Standoff	Beam	Tube	A500 Gr. ...	Typical
12	M12	N12	N20			Standoff	Beam	Tube	A500 Gr. ...	Typical
13	M16	N21	N28		90	Platform Supp...	Beam	Single Angle	A36 Gr.36	Typical
14	M36	N49B	N50			RIGID	None	None	RIGID	Typical
15	MP1A	N51	N52			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
16	M38	N53	N54			RIGID	None	None	RIGID	Typical
17	MP3A	N55	N56			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
18	M40	N57	N58			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
19	MP4A	N59	N60			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
20	M42	N61	N62			RIGID	None	None	RIGID	Typical
21	MP2A	N63	N64			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
22	M44	N66	N67			RIGID	None	None	RIGID	Typical
23	MP1C	N68	N69			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
24	M46	N70	N71			RIGID	None	None	RIGID	Typical
25	MP3C	N72	N73			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
26	M48	N74	N75			RIGID	None	None	RIGID	Typical
27	MP4C	N76	N77			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
28	M50	N78	N79			RIGID	None	None	RIGID	Typical
29	MP2C	N80	N81			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
30	M52	N83	N84			RIGID	None	None	RIGID	Typical
31	MP1B	N85	N86			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
32	M54	N87	N88			RIGID	None	None	RIGID	Typical
33	MP3B	N89	N90			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
34	M56	N91	N92			RIGID	None	None	RIGID	Typical
35	MP4B	N93	N94			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
36	M58	N95	N96			RIGID	None	None	RIGID	Typical
37	MP2B	N97	N98			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
38	M60	N97A	N98A			MOD Support ...	Beam	Pipe	A53 Gr. B	Typical
39	M61	N99	N100			MOD Support ...	Beam	Pipe	A53 Gr. B	Typical
40	M62	N101	N102			MOD Support ...	Beam	Pipe	A53 Gr. B	Typical
41	M63	N103	N104			RIGID	None	None	RIGID	Typical
42	M64	N105	N106			RIGID	None	None	RIGID	Typical
43	M65	N107	N108			RIGID	None	None	RIGID	Typical
44	M66	N109	N110			RIGID	None	None	RIGID	Typical
45	M67	N111	N112			RIGID	None	None	RIGID	Typical
46	M68	N113	N114			RIGID	None	None	RIGID	Typical
47	M69	N115	N116			RIGID	None	None	RIGID	Typical
48	M70	N117	N118			RIGID	None	None	RIGID	Typical
49	M71	N119	N120			RIGID	None	None	RIGID	Typical
50	M72	N121	N122			RIGID	None	None	RIGID	Typical
51	M73	N123	N124			RIGID	None	None	RIGID	Typical
52	M74	N125	N126			RIGID	None	None	RIGID	Typical
53	M75	N129	N127			RIGID	None	None	RIGID	Typical
54	M76	N130	N128			RIGID	None	None	RIGID	Typical
55	M77	N134	N132			RIGID	None	None	RIGID	Typical
56	M78	N135	N133			RIGID	None	None	RIGID	Typical
57	M79	N139	N137			RIGID	None	None	RIGID	Typical
58	M80	N140	N138			RIGID	None	None	RIGID	Typical
59	M81	N129	N140		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical
60	M82	N134	N130		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical
61	M83	N139	N135		90	MOD Corner A...	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	M1	OOOOOX	OOOOOX				Yes				None
2	M2	OOOOOX	OOOOOX				Yes				None
3	M3	OOOOOX	OOOOOX				Yes				None
4	M4						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...
5	M5						Yes				None
6	M6						Yes				None
7	M7	BenPIN					Yes				None
8	M8	BenPIN					Yes				None
9	M9	BenPIN					Yes				None
10	M10	BenPIN					Yes				None
11	M11	BenPIN					Yes				None
12	M12	BenPIN					Yes				None
13	M16						Yes				None
14	M36						Yes	** NA **			None
15	MP1A						Yes	** NA **			None
16	M38						Yes	** NA **			None
17	MP3A						Yes	** NA **			None
18	M40						Yes	** NA **			None
19	MP4A						Yes	** NA **			None
20	M42						Yes	** NA **			None
21	MP2A						Yes	** NA **			None
22	M44						Yes	** NA **			None
23	MP1C						Yes	** NA **			None
24	M46						Yes	** NA **			None
25	MP3C						Yes	** NA **			None
26	M48						Yes	** NA **			None
27	MP4C						Yes	** NA **			None
28	M50						Yes	** NA **			None
29	MP2C						Yes	** NA **			None
30	M52						Yes	** NA **			None
31	MP1B						Yes	** NA **			None
32	M54						Yes	** NA **			None
33	MP3B						Yes	** NA **			None
34	M56						Yes	** NA **			None
35	MP4B						Yes	** NA **			None
36	M58						Yes	** NA **			None
37	MP2B						Yes	** NA **			None
38	M60						Yes				None
39	M61						Yes				None
40	M62						Yes				None
41	M63						Yes	** NA **			None
42	M64						Yes	** NA **			None
43	M65						Yes	** NA **			None
44	M66						Yes	** NA **			None
45	M67						Yes	** NA **			None
46	M68						Yes	** NA **			None
47	M69						Yes	** NA **			None
48	M70						Yes	** NA **			None
49	M71						Yes	** NA **			None
50	M72						Yes	** NA **			None
51	M73						Yes	** NA **			None
52	M74						Yes	** NA **			None
53	M75		OOOOOO				Yes	** NA **			None
54	M76		OOOOOO				Yes	** NA **			None
55	M77		OOOOOO				Yes	** NA **			None
56	M78		OOOOOO				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...
57	M79		OOOOOO				Yes	** NA **			None
58	M80		OOOOOO				Yes	** NA **			None
59	M81						Yes				None
60	M82						Yes				None
61	M83						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-74.7	2.5
2	MP2A	My	.037	2.5
3	MP2A	Mz	0	2.5
4	MP2B	Y	-74.7	2.5
5	MP2B	My	-.019	2.5
6	MP2B	Mz	.032	2.5
7	MP2C	Y	-74.7	2.5
8	MP2C	My	-.019	2.5
9	MP2C	Mz	-.032	2.5
10	MP2A	Y	-21.85	1.25
11	MP2A	My	-.011	1.25
12	MP2A	Mz	.013	1.25
13	MP2A	Y	-21.85	4.75
14	MP2A	My	-.011	4.75
15	MP2A	Mz	.013	4.75
16	MP2B	Y	-21.85	1.25
17	MP2B	My	-.006	1.25
18	MP2B	Mz	-.016	1.25
19	MP2B	Y	-21.85	4.75
20	MP2B	My	-.006	4.75
21	MP2B	Mz	-.016	4.75
22	MP2C	Y	-21.85	1.25
23	MP2C	My	.017	1.25
24	MP2C	Mz	.003	1.25
25	MP2C	Y	-21.85	4.75
26	MP2C	My	.017	4.75
27	MP2C	Mz	.003	4.75
28	MP2A	Y	-21.85	1.25
29	MP2A	My	-.011	1.25
30	MP2A	Mz	-.013	1.25
31	MP2A	Y	-21.85	4.75
32	MP2A	My	-.011	4.75
33	MP2A	Mz	-.013	4.75
34	MP2B	Y	-21.85	1.25
35	MP2B	My	.017	1.25
36	MP2B	Mz	-.003	1.25
37	MP2B	Y	-21.85	4.75
38	MP2B	My	.017	4.75
39	MP2B	Mz	-.003	4.75
40	MP2C	Y	-21.85	1.25
41	MP2C	My	-.006	1.25
42	MP2C	Mz	.016	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP2C	Y	-21.85	4.75
44	MP2C	My	-.006	4.75
45	MP2C	Mz	.016	4.75
46	MP2B	Y	-17.6	5.5
47	MP2B	My	-.004	5.5
48	MP2B	Mz	.018	5.5
49	MP2B	Y	-17.6	5.5
50	MP2B	My	-.014	5.5
51	MP2B	Mz	.012	5.5
52	MP4A	Y	-43.55	1.25
53	MP4A	My	-.022	1.25
54	MP4A	Mz	0	1.25
55	MP4A	Y	-43.55	2.75
56	MP4A	My	-.022	2.75
57	MP4A	Mz	0	2.75
58	MP4B	Y	-43.55	1.25
59	MP4B	My	.011	1.25
60	MP4B	Mz	-.019	1.25
61	MP4B	Y	-43.55	2.75
62	MP4B	My	.011	2.75
63	MP4B	Mz	-.019	2.75
64	MP4C	Y	-43.55	1.25
65	MP4C	My	.011	1.25
66	MP4C	Mz	.019	1.25
67	MP4C	Y	-43.55	2.75
68	MP4C	My	.011	2.75
69	MP4C	Mz	.019	2.75
70	MP1A	Y	-32	1.5
71	MP1A	My	.016	1.5
72	MP1A	Mz	0	1.5
73	MP3A	Y	-70.3	1.5
74	MP3A	My	.035	1.5
75	MP3A	Mz	0	1.5
76	MP3B	Y	-70.3	1.5
77	MP3B	My	-.018	1.5
78	MP3B	Mz	.03	1.5
79	MP3C	Y	-70.3	1.5
80	MP3C	My	-.018	1.5
81	MP3C	Mz	-.03	1.5
82	MP1A	Y	-8.5	.25
83	MP1A	My	-.004	.25
84	MP1A	Mz	0	.25
85	MP1A	Y	-8.5	3.75
86	MP1A	My	-.004	3.75
87	MP1A	Mz	0	3.75
88	MP1B	Y	-8.5	.25
89	MP1B	My	.002	.25
90	MP1B	Mz	-.004	.25
91	MP1B	Y	-8.5	3.75
92	MP1B	My	.002	3.75
93	MP1B	Mz	-.004	3.75
94	MP1C	Y	-8.5	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP1C	My	.002	.25
96	MP1C	Mz	.004	.25
97	MP1C	Y	-8.5	3.75
98	MP1C	My	.002	3.75
99	MP1C	Mz	.004	3.75

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-44.799	2.5
2	MP2A	My	.022	2.5
3	MP2A	Mz	0	2.5
4	MP2B	Y	-44.799	2.5
5	MP2B	My	-.011	2.5
6	MP2B	Mz	.019	2.5
7	MP2C	Y	-44.799	2.5
8	MP2C	My	-.011	2.5
9	MP2C	Mz	-.019	2.5
10	MP2A	Y	-60.461	1.25
11	MP2A	My	-.03	1.25
12	MP2A	Mz	.035	1.25
13	MP2A	Y	-60.461	4.75
14	MP2A	My	-.03	4.75
15	MP2A	Mz	.035	4.75
16	MP2B	Y	-60.461	1.25
17	MP2B	My	-.015	1.25
18	MP2B	Mz	-.044	1.25
19	MP2B	Y	-60.461	4.75
20	MP2B	My	-.015	4.75
21	MP2B	Mz	-.044	4.75
22	MP2C	Y	-60.461	1.25
23	MP2C	My	.046	1.25
24	MP2C	Mz	.009	1.25
25	MP2C	Y	-60.461	4.75
26	MP2C	My	.046	4.75
27	MP2C	Mz	.009	4.75
28	MP2A	Y	-60.461	1.25
29	MP2A	My	-.03	1.25
30	MP2A	Mz	-.035	1.25
31	MP2A	Y	-60.461	4.75
32	MP2A	My	-.03	4.75
33	MP2A	Mz	-.035	4.75
34	MP2B	Y	-60.461	1.25
35	MP2B	My	.046	1.25
36	MP2B	Mz	-.009	1.25
37	MP2B	Y	-60.461	4.75
38	MP2B	My	.046	4.75
39	MP2B	Mz	-.009	4.75
40	MP2C	Y	-60.461	1.25
41	MP2C	My	-.015	1.25
42	MP2C	Mz	.044	1.25
43	MP2C	Y	-60.461	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP2C	My	-.015	4.75
45	MP2C	Mz	.044	4.75
46	MP2B	Y	6.6	5.5
47	MP2B	My	.001	5.5
48	MP2B	Mz	-.007	5.5
49	MP2B	Y	6.6	5.5
50	MP2B	My	.005	5.5
51	MP2B	Mz	-.005	5.5
52	MP4A	Y	-35.535	1.25
53	MP4A	My	-.018	1.25
54	MP4A	Mz	0	1.25
55	MP4A	Y	-35.535	2.75
56	MP4A	My	-.018	2.75
57	MP4A	Mz	0	2.75
58	MP4B	Y	-35.535	1.25
59	MP4B	My	.009	1.25
60	MP4B	Mz	-.015	1.25
61	MP4B	Y	-35.535	2.75
62	MP4B	My	.009	2.75
63	MP4B	Mz	-.015	2.75
64	MP4C	Y	-35.535	1.25
65	MP4C	My	.009	1.25
66	MP4C	Mz	.015	1.25
67	MP4C	Y	-35.535	2.75
68	MP4C	My	.009	2.75
69	MP4C	Mz	.015	2.75
70	MP1A	Y	-87.722	1.5
71	MP1A	My	.044	1.5
72	MP1A	Mz	0	1.5
73	MP3A	Y	-42.662	1.5
74	MP3A	My	.021	1.5
75	MP3A	Mz	0	1.5
76	MP3B	Y	-42.662	1.5
77	MP3B	My	-.011	1.5
78	MP3B	Mz	.018	1.5
79	MP3C	Y	-42.662	1.5
80	MP3C	My	-.011	1.5
81	MP3C	Mz	-.018	1.5
82	MP1A	Y	-51.639	.25
83	MP1A	My	-.026	.25
84	MP1A	Mz	0	.25
85	MP1A	Y	-51.639	3.75
86	MP1A	My	-.026	3.75
87	MP1A	Mz	0	3.75
88	MP1B	Y	-51.639	.25
89	MP1B	My	.013	.25
90	MP1B	Mz	-.022	.25
91	MP1B	Y	-51.639	3.75
92	MP1B	My	.013	3.75
93	MP1B	Mz	-.022	3.75
94	MP1C	Y	-51.639	.25
95	MP1C	My	.013	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP1C	Mz	.022	.25
97	MP1C	Y	-51.639	3.75
98	MP1C	My	.013	3.75
99	MP1C	Mz	.022	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.5
2	MP2A	Z	-70.234	2.5
3	MP2A	Mx	0	2.5
4	MP2B	X	0	2.5
5	MP2B	Z	-52.902	2.5
6	MP2B	Mx	-.023	2.5
7	MP2C	X	0	2.5
8	MP2C	Z	-52.902	2.5
9	MP2C	Mx	.023	2.5
10	MP2A	X	0	1.25
11	MP2A	Z	-123.022	1.25
12	MP2A	Mx	-.072	1.25
13	MP2A	X	0	4.75
14	MP2A	Z	-123.022	4.75
15	MP2A	Mx	-.072	4.75
16	MP2B	X	0	1.25
17	MP2B	Z	-70.347	1.25
18	MP2B	Mx	.051	1.25
19	MP2B	X	0	4.75
20	MP2B	Z	-70.347	4.75
21	MP2B	Mx	.051	4.75
22	MP2C	X	0	1.25
23	MP2C	Z	-70.347	1.25
24	MP2C	Mx	-.01	1.25
25	MP2C	X	0	4.75
26	MP2C	Z	-70.347	4.75
27	MP2C	Mx	-.01	4.75
28	MP2A	X	0	1.25
29	MP2A	Z	-123.022	1.25
30	MP2A	Mx	.072	1.25
31	MP2A	X	0	4.75
32	MP2A	Z	-123.022	4.75
33	MP2A	Mx	.072	4.75
34	MP2B	X	0	1.25
35	MP2B	Z	-70.347	1.25
36	MP2B	Mx	.01	1.25
37	MP2B	X	0	4.75
38	MP2B	Z	-70.347	4.75
39	MP2B	Mx	.01	4.75
40	MP2C	X	0	1.25
41	MP2C	Z	-70.347	1.25
42	MP2C	Mx	-.051	1.25
43	MP2C	X	0	4.75
44	MP2C	Z	-70.347	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2C	Mx	-.051	4.75
46	MP2B	X	0	5.5
47	MP2B	Z	-43.596	5.5
48	MP2B	Mx	-.045	5.5
49	MP2B	X	0	5.5
50	MP2B	Z	-43.596	5.5
51	MP2B	Mx	-.03	5.5
52	MP4A	X	0	1.25
53	MP4A	Z	-88.812	1.25
54	MP4A	Mx	0	1.25
55	MP4A	X	0	2.75
56	MP4A	Z	-88.812	2.75
57	MP4A	Mx	0	2.75
58	MP4B	X	0	1.25
59	MP4B	Z	-45.142	1.25
60	MP4B	Mx	.02	1.25
61	MP4B	X	0	2.75
62	MP4B	Z	-45.142	2.75
63	MP4B	Mx	.02	2.75
64	MP4C	X	0	1.25
65	MP4C	Z	-45.142	1.25
66	MP4C	Mx	-.02	1.25
67	MP4C	X	0	2.75
68	MP4C	Z	-45.142	2.75
69	MP4C	Mx	-.02	2.75
70	MP1A	X	0	1.5
71	MP1A	Z	-143.639	1.5
72	MP1A	Mx	0	1.5
73	MP3A	X	0	1.5
74	MP3A	Z	-70.234	1.5
75	MP3A	Mx	0	1.5
76	MP3B	X	0	1.5
77	MP3B	Z	-49.503	1.5
78	MP3B	Mx	-.021	1.5
79	MP3C	X	0	1.5
80	MP3C	Z	-49.503	1.5
81	MP3C	Mx	.021	1.5
82	MP1A	X	0	.25
83	MP1A	Z	-171.506	.25
84	MP1A	Mx	0	.25
85	MP1A	X	0	3.75
86	MP1A	Z	-171.506	3.75
87	MP1A	Mx	0	3.75
88	MP1B	X	0	.25
89	MP1B	Z	-113.531	.25
90	MP1B	Mx	.049	.25
91	MP1B	X	0	3.75
92	MP1B	Z	-113.531	3.75
93	MP1B	Mx	.049	3.75
94	MP1C	X	0	.25
95	MP1C	Z	-113.531	.25
96	MP1C	Mx	-.049	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP1C	X	0	3.75
98	MP1C	Z	-113.531	3.75
99	MP1C	Mx	-.049	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	32.228	2.5
2	MP2A	Z	-55.821	2.5
3	MP2A	Mx	.016	2.5
4	MP2B	X	23.562	2.5
5	MP2B	Z	-40.811	2.5
6	MP2B	Mx	-.024	2.5
7	MP2C	X	32.228	2.5
8	MP2C	Z	-55.821	2.5
9	MP2C	Mx	.016	2.5
10	MP2A	X	52.732	1.25
11	MP2A	Z	-91.334	1.25
12	MP2A	Mx	-.08	1.25
13	MP2A	X	52.732	4.75
14	MP2A	Z	-91.334	4.75
15	MP2A	Mx	-.08	4.75
16	MP2B	X	26.394	1.25
17	MP2B	Z	-45.716	1.25
18	MP2B	Mx	.026	1.25
19	MP2B	X	26.394	4.75
20	MP2B	Z	-45.716	4.75
21	MP2B	Mx	.026	4.75
22	MP2C	X	52.732	1.25
23	MP2C	Z	-91.334	1.25
24	MP2C	Mx	.027	1.25
25	MP2C	X	52.732	4.75
26	MP2C	Z	-91.334	4.75
27	MP2C	Mx	.027	4.75
28	MP2A	X	52.732	1.25
29	MP2A	Z	-91.334	1.25
30	MP2A	Mx	.027	1.25
31	MP2A	X	52.732	4.75
32	MP2A	Z	-91.334	4.75
33	MP2A	Mx	.027	4.75
34	MP2B	X	26.394	1.25
35	MP2B	Z	-45.716	1.25
36	MP2B	Mx	.026	1.25
37	MP2B	X	26.394	4.75
38	MP2B	Z	-45.716	4.75
39	MP2B	Mx	.026	4.75
40	MP2C	X	52.732	1.25
41	MP2C	Z	-91.334	1.25
42	MP2C	Mx	-.08	1.25
43	MP2C	X	52.732	4.75
44	MP2C	Z	-91.334	4.75
45	MP2C	Mx	-.08	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	21.814	5.5
47	MP2B	Z	-37.783	5.5
48	MP2B	Mx	-.044	5.5
49	MP2B	X	21.814	5.5
50	MP2B	Z	-37.783	5.5
51	MP2B	Mx	-.044	5.5
52	MP4A	X	37.128	1.25
53	MP4A	Z	-64.307	1.25
54	MP4A	Mx	-.019	1.25
55	MP4A	X	37.128	2.75
56	MP4A	Z	-64.307	2.75
57	MP4A	Mx	-.019	2.75
58	MP4B	X	15.293	1.25
59	MP4B	Z	-26.488	1.25
60	MP4B	Mx	.015	1.25
61	MP4B	X	15.293	2.75
62	MP4B	Z	-26.488	2.75
63	MP4B	Mx	.015	2.75
64	MP4C	X	37.128	1.25
65	MP4C	Z	-64.307	1.25
66	MP4C	Mx	-.019	1.25
67	MP4C	X	37.128	2.75
68	MP4C	Z	-64.307	2.75
69	MP4C	Mx	-.019	2.75
70	MP1A	X	67.515	1.5
71	MP1A	Z	-116.939	1.5
72	MP1A	Mx	.034	1.5
73	MP3A	X	31.662	1.5
74	MP3A	Z	-54.84	1.5
75	MP3A	Mx	.016	1.5
76	MP3B	X	21.297	1.5
77	MP3B	Z	-36.887	1.5
78	MP3B	Mx	-.021	1.5
79	MP3C	X	31.662	1.5
80	MP3C	Z	-54.84	1.5
81	MP3C	Mx	.016	1.5
82	MP1A	X	76.091	.25
83	MP1A	Z	-131.793	.25
84	MP1A	Mx	-.038	.25
85	MP1A	X	76.091	3.75
86	MP1A	Z	-131.793	3.75
87	MP1A	Mx	-.038	3.75
88	MP1B	X	47.103	.25
89	MP1B	Z	-81.585	.25
90	MP1B	Mx	.047	.25
91	MP1B	X	47.103	3.75
92	MP1B	Z	-81.585	3.75
93	MP1B	Mx	.047	3.75
94	MP1C	X	76.091	.25
95	MP1C	Z	-131.793	.25
96	MP1C	Mx	-.038	.25
97	MP1C	X	76.091	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP1C	Z	-131.793	3.75
99	MP1C	Mx	-.038	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	45.814	2.5
2	MP2A	Z	-26.451	2.5
3	MP2A	Mx	.023	2.5
4	MP2B	X	45.814	2.5
5	MP2B	Z	-26.451	2.5
6	MP2B	Mx	-.023	2.5
7	MP2C	X	60.824	2.5
8	MP2C	Z	-35.117	2.5
9	MP2C	Mx	0	2.5
10	MP2A	X	60.922	1.25
11	MP2A	Z	-35.173	1.25
12	MP2A	Mx	-.051	1.25
13	MP2A	X	60.922	4.75
14	MP2A	Z	-35.173	4.75
15	MP2A	Mx	-.051	4.75
16	MP2B	X	60.922	1.25
17	MP2B	Z	-35.173	1.25
18	MP2B	Mx	.01	1.25
19	MP2B	X	60.922	4.75
20	MP2B	Z	-35.173	4.75
21	MP2B	Mx	.01	4.75
22	MP2C	X	106.54	1.25
23	MP2C	Z	-61.511	1.25
24	MP2C	Mx	.072	1.25
25	MP2C	X	106.54	4.75
26	MP2C	Z	-61.511	4.75
27	MP2C	Mx	.072	4.75
28	MP2A	X	60.922	1.25
29	MP2A	Z	-35.173	1.25
30	MP2A	Mx	-.01	1.25
31	MP2A	X	60.922	4.75
32	MP2A	Z	-35.173	4.75
33	MP2A	Mx	-.01	4.75
34	MP2B	X	60.922	1.25
35	MP2B	Z	-35.173	1.25
36	MP2B	Mx	.051	1.25
37	MP2B	X	60.922	4.75
38	MP2B	Z	-35.173	4.75
39	MP2B	Mx	.051	4.75
40	MP2C	X	106.54	1.25
41	MP2C	Z	-61.511	1.25
42	MP2C	Mx	-.072	1.25
43	MP2C	X	106.54	4.75
44	MP2C	Z	-61.511	4.75
45	MP2C	Mx	-.072	4.75
46	MP2B	X	37.755	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP2B	Z	-21.798	5.5
48	MP2B	Mx	-.03	5.5
49	MP2B	X	37.755	5.5
50	MP2B	Z	-21.798	5.5
51	MP2B	Mx	-.045	5.5
52	MP4A	X	39.094	1.25
53	MP4A	Z	-22.571	1.25
54	MP4A	Mx	-.02	1.25
55	MP4A	X	39.094	2.75
56	MP4A	Z	-22.571	2.75
57	MP4A	Mx	-.02	2.75
58	MP4B	X	39.094	1.25
59	MP4B	Z	-22.571	1.25
60	MP4B	Mx	.02	1.25
61	MP4B	X	39.094	2.75
62	MP4B	Z	-22.571	2.75
63	MP4B	Mx	.02	2.75
64	MP4C	X	76.913	1.25
65	MP4C	Z	-44.406	1.25
66	MP4C	Mx	0	1.25
67	MP4C	X	76.913	2.75
68	MP4C	Z	-44.406	2.75
69	MP4C	Mx	0	2.75
70	MP1A	X	102.028	1.5
71	MP1A	Z	-58.906	1.5
72	MP1A	Mx	.051	1.5
73	MP3A	X	42.871	1.5
74	MP3A	Z	-24.752	1.5
75	MP3A	Mx	.021	1.5
76	MP3B	X	42.871	1.5
77	MP3B	Z	-24.752	1.5
78	MP3B	Mx	-.021	1.5
79	MP3C	X	60.824	1.5
80	MP3C	Z	-35.117	1.5
81	MP3C	Mx	0	1.5
82	MP1A	X	98.321	.25
83	MP1A	Z	-56.766	.25
84	MP1A	Mx	-.049	.25
85	MP1A	X	98.321	3.75
86	MP1A	Z	-56.766	3.75
87	MP1A	Mx	-.049	3.75
88	MP1B	X	98.321	.25
89	MP1B	Z	-56.766	.25
90	MP1B	Mx	.049	.25
91	MP1B	X	98.321	3.75
92	MP1B	Z	-56.766	3.75
93	MP1B	Mx	.049	3.75
94	MP1C	X	148.529	.25
95	MP1C	Z	-85.753	.25
96	MP1C	Mx	0	.25
97	MP1C	X	148.529	3.75
98	MP1C	Z	-85.753	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP1C	Mx	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	47.125	2.5
2	MP2A	Z	0	2.5
3	MP2A	Mx	.024	2.5
4	MP2B	X	64.456	2.5
5	MP2B	Z	0	2.5
6	MP2B	Mx	-.016	2.5
7	MP2C	X	64.456	2.5
8	MP2C	Z	0	2.5
9	MP2C	Mx	-.016	2.5
10	MP2A	X	52.789	1.25
11	MP2A	Z	0	1.25
12	MP2A	Mx	-.026	1.25
13	MP2A	X	52.789	4.75
14	MP2A	Z	0	4.75
15	MP2A	Mx	-.026	4.75
16	MP2B	X	105.464	1.25
17	MP2B	Z	0	1.25
18	MP2B	Mx	-.027	1.25
19	MP2B	X	105.464	4.75
20	MP2B	Z	0	4.75
21	MP2B	Mx	-.027	4.75
22	MP2C	X	105.464	1.25
23	MP2C	Z	0	1.25
24	MP2C	Mx	.08	1.25
25	MP2C	X	105.464	4.75
26	MP2C	Z	0	4.75
27	MP2C	Mx	.08	4.75
28	MP2A	X	52.789	1.25
29	MP2A	Z	0	1.25
30	MP2A	Mx	-.026	1.25
31	MP2A	X	52.789	4.75
32	MP2A	Z	0	4.75
33	MP2A	Mx	-.026	4.75
34	MP2B	X	105.464	1.25
35	MP2B	Z	0	1.25
36	MP2B	Mx	.08	1.25
37	MP2B	X	105.464	4.75
38	MP2B	Z	0	4.75
39	MP2B	Mx	.08	4.75
40	MP2C	X	105.464	1.25
41	MP2C	Z	0	1.25
42	MP2C	Mx	-.027	1.25
43	MP2C	X	105.464	4.75
44	MP2C	Z	0	4.75
45	MP2C	Mx	-.027	4.75
46	MP2B	X	43.532	5.5
47	MP2B	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	-.009	5.5
49	MP2B	X	43.532	5.5
50	MP2B	Z	0	5.5
51	MP2B	Mx	-.034	5.5
52	MP4A	X	30.586	1.25
53	MP4A	Z	0	1.25
54	MP4A	Mx	-.015	1.25
55	MP4A	X	30.586	2.75
56	MP4A	Z	0	2.75
57	MP4A	Mx	-.015	2.75
58	MP4B	X	74.255	1.25
59	MP4B	Z	0	1.25
60	MP4B	Mx	.019	1.25
61	MP4B	X	74.255	2.75
62	MP4B	Z	0	2.75
63	MP4B	Mx	.019	2.75
64	MP4C	X	74.255	1.25
65	MP4C	Z	0	1.25
66	MP4C	Mx	.019	1.25
67	MP4C	X	74.255	2.75
68	MP4C	Z	0	2.75
69	MP4C	Mx	.019	2.75
70	MP1A	X	109.202	1.5
71	MP1A	Z	0	1.5
72	MP1A	Mx	.055	1.5
73	MP3A	X	42.593	1.5
74	MP3A	Z	0	1.5
75	MP3A	Mx	.021	1.5
76	MP3B	X	63.324	1.5
77	MP3B	Z	0	1.5
78	MP3B	Mx	-.016	1.5
79	MP3C	X	63.324	1.5
80	MP3C	Z	0	1.5
81	MP3C	Mx	-.016	1.5
82	MP1A	X	94.206	.25
83	MP1A	Z	0	.25
84	MP1A	Mx	-.047	.25
85	MP1A	X	94.206	3.75
86	MP1A	Z	0	3.75
87	MP1A	Mx	-.047	3.75
88	MP1B	X	152.181	.25
89	MP1B	Z	0	.25
90	MP1B	Mx	.038	.25
91	MP1B	X	152.181	3.75
92	MP1B	Z	0	3.75
93	MP1B	Mx	.038	3.75
94	MP1C	X	152.181	.25
95	MP1C	Z	0	.25
96	MP1C	Mx	.038	.25
97	MP1C	X	152.181	3.75
98	MP1C	Z	0	3.75
99	MP1C	Mx	.038	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	45.814	2.5
2	MP2A	Z	26.451	2.5
3	MP2A	Mx	.023	2.5
4	MP2B	X	60.824	2.5
5	MP2B	Z	35.117	2.5
6	MP2B	Mx	0	2.5
7	MP2C	X	45.814	2.5
8	MP2C	Z	26.451	2.5
9	MP2C	Mx	-.023	2.5
10	MP2A	X	60.922	1.25
11	MP2A	Z	35.173	1.25
12	MP2A	Mx	-.01	1.25
13	MP2A	X	60.922	4.75
14	MP2A	Z	35.173	4.75
15	MP2A	Mx	-.01	4.75
16	MP2B	X	106.54	1.25
17	MP2B	Z	61.511	1.25
18	MP2B	Mx	-.072	1.25
19	MP2B	X	106.54	4.75
20	MP2B	Z	61.511	4.75
21	MP2B	Mx	-.072	4.75
22	MP2C	X	60.922	1.25
23	MP2C	Z	35.173	1.25
24	MP2C	Mx	.051	1.25
25	MP2C	X	60.922	4.75
26	MP2C	Z	35.173	4.75
27	MP2C	Mx	.051	4.75
28	MP2A	X	60.922	1.25
29	MP2A	Z	35.173	1.25
30	MP2A	Mx	-.051	1.25
31	MP2A	X	60.922	4.75
32	MP2A	Z	35.173	4.75
33	MP2A	Mx	-.051	4.75
34	MP2B	X	106.54	1.25
35	MP2B	Z	61.511	1.25
36	MP2B	Mx	.072	1.25
37	MP2B	X	106.54	4.75
38	MP2B	Z	61.511	4.75
39	MP2B	Mx	.072	4.75
40	MP2C	X	60.922	1.25
41	MP2C	Z	35.173	1.25
42	MP2C	Mx	.01	1.25
43	MP2C	X	60.922	4.75
44	MP2C	Z	35.173	4.75
45	MP2C	Mx	.01	4.75
46	MP2B	X	37.672	5.5
47	MP2B	Z	21.75	5.5
48	MP2B	Mx	.015	5.5
49	MP2B	X	37.672	5.5
50	MP2B	Z	21.75	5.5
51	MP2B	Mx	-.015	5.5
52	MP4A	X	39.094	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4A	Z	22.571	1.25
54	MP4A	Mx	-.02	1.25
55	MP4A	X	39.094	2.75
56	MP4A	Z	22.571	2.75
57	MP4A	Mx	-.02	2.75
58	MP4B	X	76.913	1.25
59	MP4B	Z	44.406	1.25
60	MP4B	Mx	0	1.25
61	MP4B	X	76.913	2.75
62	MP4B	Z	44.406	2.75
63	MP4B	Mx	0	2.75
64	MP4C	X	39.094	1.25
65	MP4C	Z	22.571	1.25
66	MP4C	Mx	.02	1.25
67	MP4C	X	39.094	2.75
68	MP4C	Z	22.571	2.75
69	MP4C	Mx	.02	2.75
70	MP1A	X	102.028	1.5
71	MP1A	Z	58.906	1.5
72	MP1A	Mx	.051	1.5
73	MP3A	X	42.871	1.5
74	MP3A	Z	24.752	1.5
75	MP3A	Mx	.021	1.5
76	MP3B	X	60.824	1.5
77	MP3B	Z	35.117	1.5
78	MP3B	Mx	0	1.5
79	MP3C	X	42.871	1.5
80	MP3C	Z	24.752	1.5
81	MP3C	Mx	-.021	1.5
82	MP1A	X	98.321	.25
83	MP1A	Z	56.766	.25
84	MP1A	Mx	-.049	.25
85	MP1A	X	98.321	3.75
86	MP1A	Z	56.766	3.75
87	MP1A	Mx	-.049	3.75
88	MP1B	X	148.529	.25
89	MP1B	Z	85.753	.25
90	MP1B	Mx	0	.25
91	MP1B	X	148.529	3.75
92	MP1B	Z	85.753	3.75
93	MP1B	Mx	0	3.75
94	MP1C	X	98.321	.25
95	MP1C	Z	56.766	.25
96	MP1C	Mx	.049	.25
97	MP1C	X	98.321	3.75
98	MP1C	Z	56.766	3.75
99	MP1C	Mx	.049	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	32.228	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	55.821	2.5
3	MP2A	Mx	.016	2.5
4	MP2B	X	32.228	2.5
5	MP2B	Z	55.821	2.5
6	MP2B	Mx	.016	2.5
7	MP2C	X	23.562	2.5
8	MP2C	Z	40.811	2.5
9	MP2C	Mx	-.024	2.5
10	MP2A	X	52.732	1.25
11	MP2A	Z	91.334	1.25
12	MP2A	Mx	.027	1.25
13	MP2A	X	52.732	4.75
14	MP2A	Z	91.334	4.75
15	MP2A	Mx	.027	4.75
16	MP2B	X	52.732	1.25
17	MP2B	Z	91.334	1.25
18	MP2B	Mx	-.08	1.25
19	MP2B	X	52.732	4.75
20	MP2B	Z	91.334	4.75
21	MP2B	Mx	-.08	4.75
22	MP2C	X	26.394	1.25
23	MP2C	Z	45.716	1.25
24	MP2C	Mx	.026	1.25
25	MP2C	X	26.394	4.75
26	MP2C	Z	45.716	4.75
27	MP2C	Mx	.026	4.75
28	MP2A	X	52.732	1.25
29	MP2A	Z	91.334	1.25
30	MP2A	Mx	-.08	1.25
31	MP2A	X	52.732	4.75
32	MP2A	Z	91.334	4.75
33	MP2A	Mx	-.08	4.75
34	MP2B	X	52.732	1.25
35	MP2B	Z	91.334	1.25
36	MP2B	Mx	.027	1.25
37	MP2B	X	52.732	4.75
38	MP2B	Z	91.334	4.75
39	MP2B	Mx	.027	4.75
40	MP2C	X	26.394	1.25
41	MP2C	Z	45.716	1.25
42	MP2C	Mx	.026	1.25
43	MP2C	X	26.394	4.75
44	MP2C	Z	45.716	4.75
45	MP2C	Mx	.026	4.75
46	MP2B	X	21.766	5.5
47	MP2B	Z	37.7	5.5
48	MP2B	Mx	.034	5.5
49	MP2B	X	21.766	5.5
50	MP2B	Z	37.7	5.5
51	MP2B	Mx	.009	5.5
52	MP4A	X	37.128	1.25
53	MP4A	Z	64.307	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP4A	Mx	-.019	1.25
55	MP4A	X	37.128	2.75
56	MP4A	Z	64.307	2.75
57	MP4A	Mx	-.019	2.75
58	MP4B	X	37.128	1.25
59	MP4B	Z	64.307	1.25
60	MP4B	Mx	-.019	1.25
61	MP4B	X	37.128	2.75
62	MP4B	Z	64.307	2.75
63	MP4B	Mx	-.019	2.75
64	MP4C	X	15.293	1.25
65	MP4C	Z	26.488	1.25
66	MP4C	Mx	.015	1.25
67	MP4C	X	15.293	2.75
68	MP4C	Z	26.488	2.75
69	MP4C	Mx	.015	2.75
70	MP1A	X	67.515	1.5
71	MP1A	Z	116.939	1.5
72	MP1A	Mx	.034	1.5
73	MP3A	X	31.662	1.5
74	MP3A	Z	54.84	1.5
75	MP3A	Mx	.016	1.5
76	MP3B	X	31.662	1.5
77	MP3B	Z	54.84	1.5
78	MP3B	Mx	.016	1.5
79	MP3C	X	21.297	1.5
80	MP3C	Z	36.887	1.5
81	MP3C	Mx	-.021	1.5
82	MP1A	X	76.091	.25
83	MP1A	Z	131.793	.25
84	MP1A	Mx	-.038	.25
85	MP1A	X	76.091	3.75
86	MP1A	Z	131.793	3.75
87	MP1A	Mx	-.038	3.75
88	MP1B	X	76.091	.25
89	MP1B	Z	131.793	.25
90	MP1B	Mx	-.038	.25
91	MP1B	X	76.091	3.75
92	MP1B	Z	131.793	3.75
93	MP1B	Mx	-.038	3.75
94	MP1C	X	47.103	.25
95	MP1C	Z	81.585	.25
96	MP1C	Mx	.047	.25
97	MP1C	X	47.103	3.75
98	MP1C	Z	81.585	3.75
99	MP1C	Mx	.047	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.5
2	MP2A	Z	70.234	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	0	2.5
4	MP2B	X	0	2.5
5	MP2B	Z	52.902	2.5
6	MP2B	Mx	.023	2.5
7	MP2C	X	0	2.5
8	MP2C	Z	52.902	2.5
9	MP2C	Mx	-.023	2.5
10	MP2A	X	0	1.25
11	MP2A	Z	123.022	1.25
12	MP2A	Mx	.072	1.25
13	MP2A	X	0	4.75
14	MP2A	Z	123.022	4.75
15	MP2A	Mx	.072	4.75
16	MP2B	X	0	1.25
17	MP2B	Z	70.347	1.25
18	MP2B	Mx	-.051	1.25
19	MP2B	X	0	4.75
20	MP2B	Z	70.347	4.75
21	MP2B	Mx	-.051	4.75
22	MP2C	X	0	1.25
23	MP2C	Z	70.347	1.25
24	MP2C	Mx	.01	1.25
25	MP2C	X	0	4.75
26	MP2C	Z	70.347	4.75
27	MP2C	Mx	.01	4.75
28	MP2A	X	0	1.25
29	MP2A	Z	123.022	1.25
30	MP2A	Mx	-.072	1.25
31	MP2A	X	0	4.75
32	MP2A	Z	123.022	4.75
33	MP2A	Mx	-.072	4.75
34	MP2B	X	0	1.25
35	MP2B	Z	70.347	1.25
36	MP2B	Mx	-.01	1.25
37	MP2B	X	0	4.75
38	MP2B	Z	70.347	4.75
39	MP2B	Mx	-.01	4.75
40	MP2C	X	0	1.25
41	MP2C	Z	70.347	1.25
42	MP2C	Mx	.051	1.25
43	MP2C	X	0	4.75
44	MP2C	Z	70.347	4.75
45	MP2C	Mx	.051	4.75
46	MP2B	X	0	5.5
47	MP2B	Z	43.596	5.5
48	MP2B	Mx	.045	5.5
49	MP2B	X	0	5.5
50	MP2B	Z	43.596	5.5
51	MP2B	Mx	.03	5.5
52	MP4A	X	0	1.25
53	MP4A	Z	88.812	1.25
54	MP4A	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP4A	X	0	2.75
56	MP4A	Z	88.812	2.75
57	MP4A	Mx	0	2.75
58	MP4B	X	0	1.25
59	MP4B	Z	45.142	1.25
60	MP4B	Mx	-.02	1.25
61	MP4B	X	0	2.75
62	MP4B	Z	45.142	2.75
63	MP4B	Mx	-.02	2.75
64	MP4C	X	0	1.25
65	MP4C	Z	45.142	1.25
66	MP4C	Mx	.02	1.25
67	MP4C	X	0	2.75
68	MP4C	Z	45.142	2.75
69	MP4C	Mx	.02	2.75
70	MP1A	X	0	1.5
71	MP1A	Z	143.639	1.5
72	MP1A	Mx	0	1.5
73	MP3A	X	0	1.5
74	MP3A	Z	70.234	1.5
75	MP3A	Mx	0	1.5
76	MP3B	X	0	1.5
77	MP3B	Z	49.503	1.5
78	MP3B	Mx	.021	1.5
79	MP3C	X	0	1.5
80	MP3C	Z	49.503	1.5
81	MP3C	Mx	-.021	1.5
82	MP1A	X	0	.25
83	MP1A	Z	171.506	.25
84	MP1A	Mx	0	.25
85	MP1A	X	0	3.75
86	MP1A	Z	171.506	3.75
87	MP1A	Mx	0	3.75
88	MP1B	X	0	.25
89	MP1B	Z	113.531	.25
90	MP1B	Mx	-.049	.25
91	MP1B	X	0	3.75
92	MP1B	Z	113.531	3.75
93	MP1B	Mx	-.049	3.75
94	MP1C	X	0	.25
95	MP1C	Z	113.531	.25
96	MP1C	Mx	.049	.25
97	MP1C	X	0	3.75
98	MP1C	Z	113.531	3.75
99	MP1C	Mx	.049	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-32.228	2.5
2	MP2A	Z	55.821	2.5
3	MP2A	Mx	-.016	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2B	X	-23.562	2.5
5	MP2B	Z	40.811	2.5
6	MP2B	Mx	.024	2.5
7	MP2C	X	-32.228	2.5
8	MP2C	Z	55.821	2.5
9	MP2C	Mx	-.016	2.5
10	MP2A	X	-52.732	1.25
11	MP2A	Z	91.334	1.25
12	MP2A	Mx	.08	1.25
13	MP2A	X	-52.732	4.75
14	MP2A	Z	91.334	4.75
15	MP2A	Mx	.08	4.75
16	MP2B	X	-26.394	1.25
17	MP2B	Z	45.716	1.25
18	MP2B	Mx	-.026	1.25
19	MP2B	X	-26.394	4.75
20	MP2B	Z	45.716	4.75
21	MP2B	Mx	-.026	4.75
22	MP2C	X	-52.732	1.25
23	MP2C	Z	91.334	1.25
24	MP2C	Mx	-.027	1.25
25	MP2C	X	-52.732	4.75
26	MP2C	Z	91.334	4.75
27	MP2C	Mx	-.027	4.75
28	MP2A	X	-52.732	1.25
29	MP2A	Z	91.334	1.25
30	MP2A	Mx	-.027	1.25
31	MP2A	X	-52.732	4.75
32	MP2A	Z	91.334	4.75
33	MP2A	Mx	-.027	4.75
34	MP2B	X	-26.394	1.25
35	MP2B	Z	45.716	1.25
36	MP2B	Mx	-.026	1.25
37	MP2B	X	-26.394	4.75
38	MP2B	Z	45.716	4.75
39	MP2B	Mx	-.026	4.75
40	MP2C	X	-52.732	1.25
41	MP2C	Z	91.334	1.25
42	MP2C	Mx	.08	1.25
43	MP2C	X	-52.732	4.75
44	MP2C	Z	91.334	4.75
45	MP2C	Mx	.08	4.75
46	MP2B	X	-21.814	5.5
47	MP2B	Z	37.783	5.5
48	MP2B	Mx	.044	5.5
49	MP2B	X	-21.814	5.5
50	MP2B	Z	37.783	5.5
51	MP2B	Mx	.044	5.5
52	MP4A	X	-37.128	1.25
53	MP4A	Z	64.307	1.25
54	MP4A	Mx	.019	1.25
55	MP4A	X	-37.128	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
56	MP4A	Z	64.307	2.75
57	MP4A	Mx	.019	2.75
58	MP4B	X	-15.293	1.25
59	MP4B	Z	26.488	1.25
60	MP4B	Mx	-.015	1.25
61	MP4B	X	-15.293	2.75
62	MP4B	Z	26.488	2.75
63	MP4B	Mx	-.015	2.75
64	MP4C	X	-37.128	1.25
65	MP4C	Z	64.307	1.25
66	MP4C	Mx	.019	1.25
67	MP4C	X	-37.128	2.75
68	MP4C	Z	64.307	2.75
69	MP4C	Mx	.019	2.75
70	MP1A	X	-67.515	1.5
71	MP1A	Z	116.939	1.5
72	MP1A	Mx	-.034	1.5
73	MP3A	X	-31.662	1.5
74	MP3A	Z	54.84	1.5
75	MP3A	Mx	-.016	1.5
76	MP3B	X	-21.297	1.5
77	MP3B	Z	36.887	1.5
78	MP3B	Mx	.021	1.5
79	MP3C	X	-31.662	1.5
80	MP3C	Z	54.84	1.5
81	MP3C	Mx	-.016	1.5
82	MP1A	X	-76.091	.25
83	MP1A	Z	131.793	.25
84	MP1A	Mx	.038	.25
85	MP1A	X	-76.091	3.75
86	MP1A	Z	131.793	3.75
87	MP1A	Mx	.038	3.75
88	MP1B	X	-47.103	.25
89	MP1B	Z	81.585	.25
90	MP1B	Mx	-.047	.25
91	MP1B	X	-47.103	3.75
92	MP1B	Z	81.585	3.75
93	MP1B	Mx	-.047	3.75
94	MP1C	X	-76.091	.25
95	MP1C	Z	131.793	.25
96	MP1C	Mx	.038	.25
97	MP1C	X	-76.091	3.75
98	MP1C	Z	131.793	3.75
99	MP1C	Mx	.038	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-45.814	2.5
2	MP2A	Z	26.451	2.5
3	MP2A	Mx	-.023	2.5
4	MP2B	X	-45.814	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2B	Z	26.451	2.5
6	MP2B	Mx	.023	2.5
7	MP2C	X	-60.824	2.5
8	MP2C	Z	35.117	2.5
9	MP2C	Mx	0	2.5
10	MP2A	X	-60.922	1.25
11	MP2A	Z	35.173	1.25
12	MP2A	Mx	.051	1.25
13	MP2A	X	-60.922	4.75
14	MP2A	Z	35.173	4.75
15	MP2A	Mx	.051	4.75
16	MP2B	X	-60.922	1.25
17	MP2B	Z	35.173	1.25
18	MP2B	Mx	-.01	1.25
19	MP2B	X	-60.922	4.75
20	MP2B	Z	35.173	4.75
21	MP2B	Mx	-.01	4.75
22	MP2C	X	-106.54	1.25
23	MP2C	Z	61.511	1.25
24	MP2C	Mx	-.072	1.25
25	MP2C	X	-106.54	4.75
26	MP2C	Z	61.511	4.75
27	MP2C	Mx	-.072	4.75
28	MP2A	X	-60.922	1.25
29	MP2A	Z	35.173	1.25
30	MP2A	Mx	.01	1.25
31	MP2A	X	-60.922	4.75
32	MP2A	Z	35.173	4.75
33	MP2A	Mx	.01	4.75
34	MP2B	X	-60.922	1.25
35	MP2B	Z	35.173	1.25
36	MP2B	Mx	-.051	1.25
37	MP2B	X	-60.922	4.75
38	MP2B	Z	35.173	4.75
39	MP2B	Mx	-.051	4.75
40	MP2C	X	-106.54	1.25
41	MP2C	Z	61.511	1.25
42	MP2C	Mx	.072	1.25
43	MP2C	X	-106.54	4.75
44	MP2C	Z	61.511	4.75
45	MP2C	Mx	.072	4.75
46	MP2B	X	-37.755	5.5
47	MP2B	Z	21.798	5.5
48	MP2B	Mx	.03	5.5
49	MP2B	X	-37.755	5.5
50	MP2B	Z	21.798	5.5
51	MP2B	Mx	.045	5.5
52	MP4A	X	-39.094	1.25
53	MP4A	Z	22.571	1.25
54	MP4A	Mx	.02	1.25
55	MP4A	X	-39.094	2.75
56	MP4A	Z	22.571	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP4A	Mx	.02	2.75
58	MP4B	X	-39.094	1.25
59	MP4B	Z	22.571	1.25
60	MP4B	Mx	-.02	1.25
61	MP4B	X	-39.094	2.75
62	MP4B	Z	22.571	2.75
63	MP4B	Mx	-.02	2.75
64	MP4C	X	-76.913	1.25
65	MP4C	Z	44.406	1.25
66	MP4C	Mx	0	1.25
67	MP4C	X	-76.913	2.75
68	MP4C	Z	44.406	2.75
69	MP4C	Mx	0	2.75
70	MP1A	X	-102.028	1.5
71	MP1A	Z	58.906	1.5
72	MP1A	Mx	-.051	1.5
73	MP3A	X	-42.871	1.5
74	MP3A	Z	24.752	1.5
75	MP3A	Mx	-.021	1.5
76	MP3B	X	-42.871	1.5
77	MP3B	Z	24.752	1.5
78	MP3B	Mx	.021	1.5
79	MP3C	X	-60.824	1.5
80	MP3C	Z	35.117	1.5
81	MP3C	Mx	0	1.5
82	MP1A	X	-98.321	.25
83	MP1A	Z	56.766	.25
84	MP1A	Mx	.049	.25
85	MP1A	X	-98.321	3.75
86	MP1A	Z	56.766	3.75
87	MP1A	Mx	.049	3.75
88	MP1B	X	-98.321	.25
89	MP1B	Z	56.766	.25
90	MP1B	Mx	-.049	.25
91	MP1B	X	-98.321	3.75
92	MP1B	Z	56.766	3.75
93	MP1B	Mx	-.049	3.75
94	MP1C	X	-148.529	.25
95	MP1C	Z	85.753	.25
96	MP1C	Mx	0	.25
97	MP1C	X	-148.529	3.75
98	MP1C	Z	85.753	3.75
99	MP1C	Mx	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-47.125	2.5
2	MP2A	Z	0	2.5
3	MP2A	Mx	-.024	2.5
4	MP2B	X	-64.456	2.5
5	MP2B	Z	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2B	Mx	.016	2.5
7	MP2C	X	-64.456	2.5
8	MP2C	Z	0	2.5
9	MP2C	Mx	.016	2.5
10	MP2A	X	-52.789	1.25
11	MP2A	Z	0	1.25
12	MP2A	Mx	.026	1.25
13	MP2A	X	-52.789	4.75
14	MP2A	Z	0	4.75
15	MP2A	Mx	.026	4.75
16	MP2B	X	-105.464	1.25
17	MP2B	Z	0	1.25
18	MP2B	Mx	.027	1.25
19	MP2B	X	-105.464	4.75
20	MP2B	Z	0	4.75
21	MP2B	Mx	.027	4.75
22	MP2C	X	-105.464	1.25
23	MP2C	Z	0	1.25
24	MP2C	Mx	-.08	1.25
25	MP2C	X	-105.464	4.75
26	MP2C	Z	0	4.75
27	MP2C	Mx	-.08	4.75
28	MP2A	X	-52.789	1.25
29	MP2A	Z	0	1.25
30	MP2A	Mx	.026	1.25
31	MP2A	X	-52.789	4.75
32	MP2A	Z	0	4.75
33	MP2A	Mx	.026	4.75
34	MP2B	X	-105.464	1.25
35	MP2B	Z	0	1.25
36	MP2B	Mx	-.08	1.25
37	MP2B	X	-105.464	4.75
38	MP2B	Z	0	4.75
39	MP2B	Mx	-.08	4.75
40	MP2C	X	-105.464	1.25
41	MP2C	Z	0	1.25
42	MP2C	Mx	.027	1.25
43	MP2C	X	-105.464	4.75
44	MP2C	Z	0	4.75
45	MP2C	Mx	.027	4.75
46	MP2B	X	-43.532	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.009	5.5
49	MP2B	X	-43.532	5.5
50	MP2B	Z	0	5.5
51	MP2B	Mx	.034	5.5
52	MP4A	X	-30.586	1.25
53	MP4A	Z	0	1.25
54	MP4A	Mx	.015	1.25
55	MP4A	X	-30.586	2.75
56	MP4A	Z	0	2.75
57	MP4A	Mx	.015	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4B	X	-74.255	1.25
59	MP4B	Z	0	1.25
60	MP4B	Mx	-.019	1.25
61	MP4B	X	-74.255	2.75
62	MP4B	Z	0	2.75
63	MP4B	Mx	-.019	2.75
64	MP4C	X	-74.255	1.25
65	MP4C	Z	0	1.25
66	MP4C	Mx	-.019	1.25
67	MP4C	X	-74.255	2.75
68	MP4C	Z	0	2.75
69	MP4C	Mx	-.019	2.75
70	MP1A	X	-109.202	1.5
71	MP1A	Z	0	1.5
72	MP1A	Mx	-.055	1.5
73	MP3A	X	-42.593	1.5
74	MP3A	Z	0	1.5
75	MP3A	Mx	-.021	1.5
76	MP3B	X	-63.324	1.5
77	MP3B	Z	0	1.5
78	MP3B	Mx	.016	1.5
79	MP3C	X	-63.324	1.5
80	MP3C	Z	0	1.5
81	MP3C	Mx	.016	1.5
82	MP1A	X	-94.206	.25
83	MP1A	Z	0	.25
84	MP1A	Mx	.047	.25
85	MP1A	X	-94.206	3.75
86	MP1A	Z	0	3.75
87	MP1A	Mx	.047	3.75
88	MP1B	X	-152.181	.25
89	MP1B	Z	0	.25
90	MP1B	Mx	-.038	.25
91	MP1B	X	-152.181	3.75
92	MP1B	Z	0	3.75
93	MP1B	Mx	-.038	3.75
94	MP1C	X	-152.181	.25
95	MP1C	Z	0	.25
96	MP1C	Mx	-.038	.25
97	MP1C	X	-152.181	3.75
98	MP1C	Z	0	3.75
99	MP1C	Mx	-.038	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-45.814	2.5
2	MP2A	Z	-26.451	2.5
3	MP2A	Mx	-.023	2.5
4	MP2B	X	-60.824	2.5
5	MP2B	Z	-35.117	2.5
6	MP2B	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2C	X	-45.814	2.5
8	MP2C	Z	-26.451	2.5
9	MP2C	Mx	.023	2.5
10	MP2A	X	-60.922	1.25
11	MP2A	Z	-35.173	1.25
12	MP2A	Mx	.01	1.25
13	MP2A	X	-60.922	4.75
14	MP2A	Z	-35.173	4.75
15	MP2A	Mx	.01	4.75
16	MP2B	X	-106.54	1.25
17	MP2B	Z	-61.511	1.25
18	MP2B	Mx	.072	1.25
19	MP2B	X	-106.54	4.75
20	MP2B	Z	-61.511	4.75
21	MP2B	Mx	.072	4.75
22	MP2C	X	-60.922	1.25
23	MP2C	Z	-35.173	1.25
24	MP2C	Mx	-.051	1.25
25	MP2C	X	-60.922	4.75
26	MP2C	Z	-35.173	4.75
27	MP2C	Mx	-.051	4.75
28	MP2A	X	-60.922	1.25
29	MP2A	Z	-35.173	1.25
30	MP2A	Mx	.051	1.25
31	MP2A	X	-60.922	4.75
32	MP2A	Z	-35.173	4.75
33	MP2A	Mx	.051	4.75
34	MP2B	X	-106.54	1.25
35	MP2B	Z	-61.511	1.25
36	MP2B	Mx	-.072	1.25
37	MP2B	X	-106.54	4.75
38	MP2B	Z	-61.511	4.75
39	MP2B	Mx	-.072	4.75
40	MP2C	X	-60.922	1.25
41	MP2C	Z	-35.173	1.25
42	MP2C	Mx	-.01	1.25
43	MP2C	X	-60.922	4.75
44	MP2C	Z	-35.173	4.75
45	MP2C	Mx	-.01	4.75
46	MP2B	X	-37.672	5.5
47	MP2B	Z	-21.75	5.5
48	MP2B	Mx	-.015	5.5
49	MP2B	X	-37.672	5.5
50	MP2B	Z	-21.75	5.5
51	MP2B	Mx	.015	5.5
52	MP4A	X	-39.094	1.25
53	MP4A	Z	-22.571	1.25
54	MP4A	Mx	.02	1.25
55	MP4A	X	-39.094	2.75
56	MP4A	Z	-22.571	2.75
57	MP4A	Mx	.02	2.75
58	MP4B	X	-76.913	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP4B	Z	-44.406	1.25
60	MP4B	Mx	0	1.25
61	MP4B	X	-76.913	2.75
62	MP4B	Z	-44.406	2.75
63	MP4B	Mx	0	2.75
64	MP4C	X	-39.094	1.25
65	MP4C	Z	-22.571	1.25
66	MP4C	Mx	-.02	1.25
67	MP4C	X	-39.094	2.75
68	MP4C	Z	-22.571	2.75
69	MP4C	Mx	-.02	2.75
70	MP1A	X	-102.028	1.5
71	MP1A	Z	-58.906	1.5
72	MP1A	Mx	-.051	1.5
73	MP3A	X	-42.871	1.5
74	MP3A	Z	-24.752	1.5
75	MP3A	Mx	-.021	1.5
76	MP3B	X	-60.824	1.5
77	MP3B	Z	-35.117	1.5
78	MP3B	Mx	0	1.5
79	MP3C	X	-42.871	1.5
80	MP3C	Z	-24.752	1.5
81	MP3C	Mx	.021	1.5
82	MP1A	X	-98.321	.25
83	MP1A	Z	-56.766	.25
84	MP1A	Mx	.049	.25
85	MP1A	X	-98.321	3.75
86	MP1A	Z	-56.766	3.75
87	MP1A	Mx	.049	3.75
88	MP1B	X	-148.529	.25
89	MP1B	Z	-85.753	.25
90	MP1B	Mx	0	.25
91	MP1B	X	-148.529	3.75
92	MP1B	Z	-85.753	3.75
93	MP1B	Mx	0	3.75
94	MP1C	X	-98.321	.25
95	MP1C	Z	-56.766	.25
96	MP1C	Mx	-.049	.25
97	MP1C	X	-98.321	3.75
98	MP1C	Z	-56.766	3.75
99	MP1C	Mx	-.049	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-32.228	2.5
2	MP2A	Z	-55.821	2.5
3	MP2A	Mx	-.016	2.5
4	MP2B	X	-32.228	2.5
5	MP2B	Z	-55.821	2.5
6	MP2B	Mx	-.016	2.5
7	MP2C	X	-23.562	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2C	Z	-40.811	2.5
9	MP2C	Mx	.024	2.5
10	MP2A	X	-52.732	1.25
11	MP2A	Z	-91.334	1.25
12	MP2A	Mx	-.027	1.25
13	MP2A	X	-52.732	4.75
14	MP2A	Z	-91.334	4.75
15	MP2A	Mx	-.027	4.75
16	MP2B	X	-52.732	1.25
17	MP2B	Z	-91.334	1.25
18	MP2B	Mx	.08	1.25
19	MP2B	X	-52.732	4.75
20	MP2B	Z	-91.334	4.75
21	MP2B	Mx	.08	4.75
22	MP2C	X	-26.394	1.25
23	MP2C	Z	-45.716	1.25
24	MP2C	Mx	-.026	1.25
25	MP2C	X	-26.394	4.75
26	MP2C	Z	-45.716	4.75
27	MP2C	Mx	-.026	4.75
28	MP2A	X	-52.732	1.25
29	MP2A	Z	-91.334	1.25
30	MP2A	Mx	.08	1.25
31	MP2A	X	-52.732	4.75
32	MP2A	Z	-91.334	4.75
33	MP2A	Mx	.08	4.75
34	MP2B	X	-52.732	1.25
35	MP2B	Z	-91.334	1.25
36	MP2B	Mx	-.027	1.25
37	MP2B	X	-52.732	4.75
38	MP2B	Z	-91.334	4.75
39	MP2B	Mx	-.027	4.75
40	MP2C	X	-26.394	1.25
41	MP2C	Z	-45.716	1.25
42	MP2C	Mx	-.026	1.25
43	MP2C	X	-26.394	4.75
44	MP2C	Z	-45.716	4.75
45	MP2C	Mx	-.026	4.75
46	MP2B	X	-21.766	5.5
47	MP2B	Z	-37.7	5.5
48	MP2B	Mx	-.034	5.5
49	MP2B	X	-21.766	5.5
50	MP2B	Z	-37.7	5.5
51	MP2B	Mx	-.009	5.5
52	MP4A	X	-37.128	1.25
53	MP4A	Z	-64.307	1.25
54	MP4A	Mx	.019	1.25
55	MP4A	X	-37.128	2.75
56	MP4A	Z	-64.307	2.75
57	MP4A	Mx	.019	2.75
58	MP4B	X	-37.128	1.25
59	MP4B	Z	-64.307	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP4B	Mx	.019	1.25
61	MP4B	X	-37.128	2.75
62	MP4B	Z	-64.307	2.75
63	MP4B	Mx	.019	2.75
64	MP4C	X	-15.293	1.25
65	MP4C	Z	-26.488	1.25
66	MP4C	Mx	-.015	1.25
67	MP4C	X	-15.293	2.75
68	MP4C	Z	-26.488	2.75
69	MP4C	Mx	-.015	2.75
70	MP1A	X	-67.515	1.5
71	MP1A	Z	-116.939	1.5
72	MP1A	Mx	-.034	1.5
73	MP3A	X	-31.662	1.5
74	MP3A	Z	-54.84	1.5
75	MP3A	Mx	-.016	1.5
76	MP3B	X	-31.662	1.5
77	MP3B	Z	-54.84	1.5
78	MP3B	Mx	-.016	1.5
79	MP3C	X	-21.297	1.5
80	MP3C	Z	-36.887	1.5
81	MP3C	Mx	.021	1.5
82	MP1A	X	-76.091	.25
83	MP1A	Z	-131.793	.25
84	MP1A	Mx	.038	.25
85	MP1A	X	-76.091	3.75
86	MP1A	Z	-131.793	3.75
87	MP1A	Mx	.038	3.75
88	MP1B	X	-76.091	.25
89	MP1B	Z	-131.793	.25
90	MP1B	Mx	.038	.25
91	MP1B	X	-76.091	3.75
92	MP1B	Z	-131.793	3.75
93	MP1B	Mx	.038	3.75
94	MP1C	X	-47.103	.25
95	MP1C	Z	-81.585	.25
96	MP1C	Mx	-.047	.25
97	MP1C	X	-47.103	3.75
98	MP1C	Z	-81.585	3.75
99	MP1C	Mx	-.047	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.5
2	MP2A	Z	-16.216	2.5
3	MP2A	Mx	0	2.5
4	MP2B	X	0	2.5
5	MP2B	Z	-12.513	2.5
6	MP2B	Mx	-.005	2.5
7	MP2C	X	0	2.5
8	MP2C	Z	-12.513	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2C	Mx	.005	2.5
10	MP2A	X	0	1.25
11	MP2A	Z	-32.303	1.25
12	MP2A	Mx	-.019	1.25
13	MP2A	X	0	4.75
14	MP2A	Z	-32.303	4.75
15	MP2A	Mx	-.019	4.75
16	MP2B	X	0	1.25
17	MP2B	Z	-24.781	1.25
18	MP2B	Mx	.018	1.25
19	MP2B	X	0	4.75
20	MP2B	Z	-24.781	4.75
21	MP2B	Mx	.018	4.75
22	MP2C	X	0	1.25
23	MP2C	Z	-24.781	1.25
24	MP2C	Mx	-.004	1.25
25	MP2C	X	0	4.75
26	MP2C	Z	-24.781	4.75
27	MP2C	Mx	-.004	4.75
28	MP2A	X	0	1.25
29	MP2A	Z	-32.303	1.25
30	MP2A	Mx	.019	1.25
31	MP2A	X	0	4.75
32	MP2A	Z	-32.303	4.75
33	MP2A	Mx	.019	4.75
34	MP2B	X	0	1.25
35	MP2B	Z	-24.781	1.25
36	MP2B	Mx	.004	1.25
37	MP2B	X	0	4.75
38	MP2B	Z	-24.781	4.75
39	MP2B	Mx	.004	4.75
40	MP2C	X	0	1.25
41	MP2C	Z	-24.781	1.25
42	MP2C	Mx	-.018	1.25
43	MP2C	X	0	4.75
44	MP2C	Z	-24.781	4.75
45	MP2C	Mx	-.018	4.75
46	MP2B	X	0	5.5
47	MP2B	Z	-7.524	5.5
48	MP2B	Mx	-.008	5.5
49	MP2B	X	0	5.5
50	MP2B	Z	-7.524	5.5
51	MP2B	Mx	-.005	5.5
52	MP4A	X	0	1.25
53	MP4A	Z	-19.243	1.25
54	MP4A	Mx	0	1.25
55	MP4A	X	0	2.75
56	MP4A	Z	-19.243	2.75
57	MP4A	Mx	0	2.75
58	MP4B	X	0	1.25
59	MP4B	Z	-10.957	1.25
60	MP4B	Mx	.005	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP4B	X	0	2.75
62	MP4B	Z	-10.957	2.75
63	MP4B	Mx	.005	2.75
64	MP4C	X	0	1.25
65	MP4C	Z	-10.957	1.25
66	MP4C	Mx	-.005	1.25
67	MP4C	X	0	2.75
68	MP4C	Z	-10.957	2.75
69	MP4C	Mx	-.005	2.75
70	MP1A	X	0	1.5
71	MP1A	Z	-33.329	1.5
72	MP1A	Mx	0	1.5
73	MP3A	X	0	1.5
74	MP3A	Z	-16.216	1.5
75	MP3A	Mx	0	1.5
76	MP3B	X	0	1.5
77	MP3B	Z	-11.847	1.5
78	MP3B	Mx	-.005	1.5
79	MP3C	X	0	1.5
80	MP3C	Z	-11.847	1.5
81	MP3C	Mx	.005	1.5
82	MP1A	X	0	.25
83	MP1A	Z	-30.376	.25
84	MP1A	Mx	0	.25
85	MP1A	X	0	3.75
86	MP1A	Z	-30.376	3.75
87	MP1A	Mx	0	3.75
88	MP1B	X	0	.25
89	MP1B	Z	-20.937	.25
90	MP1B	Mx	.009	.25
91	MP1B	X	0	3.75
92	MP1B	Z	-20.937	3.75
93	MP1B	Mx	.009	3.75
94	MP1C	X	0	.25
95	MP1C	Z	-20.937	.25
96	MP1C	Mx	-.009	.25
97	MP1C	X	0	3.75
98	MP1C	Z	-20.937	3.75
99	MP1C	Mx	-.009	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.491	2.5
2	MP2A	Z	-12.975	2.5
3	MP2A	Mx	.004	2.5
4	MP2B	X	5.639	2.5
5	MP2B	Z	-9.768	2.5
6	MP2B	Mx	-.006	2.5
7	MP2C	X	7.491	2.5
8	MP2C	Z	-12.975	2.5
9	MP2C	Mx	.004	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2A	X	14.898	1.25
11	MP2A	Z	-25.804	1.25
12	MP2A	Mx	-.023	1.25
13	MP2A	X	14.898	4.75
14	MP2A	Z	-25.804	4.75
15	MP2A	Mx	-.023	4.75
16	MP2B	X	11.137	1.25
17	MP2B	Z	-19.289	1.25
18	MP2B	Mx	.011	1.25
19	MP2B	X	11.137	4.75
20	MP2B	Z	-19.289	4.75
21	MP2B	Mx	.011	4.75
22	MP2C	X	14.898	1.25
23	MP2C	Z	-25.804	1.25
24	MP2C	Mx	.008	1.25
25	MP2C	X	14.898	4.75
26	MP2C	Z	-25.804	4.75
27	MP2C	Mx	.008	4.75
28	MP2A	X	14.898	1.25
29	MP2A	Z	-25.804	1.25
30	MP2A	Mx	.008	1.25
31	MP2A	X	14.898	4.75
32	MP2A	Z	-25.804	4.75
33	MP2A	Mx	.008	4.75
34	MP2B	X	11.137	1.25
35	MP2B	Z	-19.289	1.25
36	MP2B	Mx	.011	1.25
37	MP2B	X	11.137	4.75
38	MP2B	Z	-19.289	4.75
39	MP2B	Mx	.011	4.75
40	MP2C	X	14.898	1.25
41	MP2C	Z	-25.804	1.25
42	MP2C	Mx	-.023	1.25
43	MP2C	X	14.898	4.75
44	MP2C	Z	-25.804	4.75
45	MP2C	Mx	-.023	4.75
46	MP2B	X	4.456	5.5
47	MP2B	Z	-7.719	5.5
48	MP2B	Mx	-.009	5.5
49	MP2B	X	4.456	5.5
50	MP2B	Z	-7.719	5.5
51	MP2B	Mx	-.009	5.5
52	MP4A	X	8.24	1.25
53	MP4A	Z	-14.273	1.25
54	MP4A	Mx	-.004	1.25
55	MP4A	X	8.24	2.75
56	MP4A	Z	-14.273	2.75
57	MP4A	Mx	-.004	2.75
58	MP4B	X	4.098	1.25
59	MP4B	Z	-7.097	1.25
60	MP4B	Mx	.004	1.25
61	MP4B	X	4.098	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP4B	Z	-7.097	2.75
63	MP4B	Mx	.004	2.75
64	MP4C	X	8.24	1.25
65	MP4C	Z	-14.273	1.25
66	MP4C	Mx	-.004	1.25
67	MP4C	X	8.24	2.75
68	MP4C	Z	-14.273	2.75
69	MP4C	Mx	-.004	2.75
70	MP1A	X	15.756	1.5
71	MP1A	Z	-27.29	1.5
72	MP1A	Mx	.008	1.5
73	MP3A	X	7.38	1.5
74	MP3A	Z	-12.782	1.5
75	MP3A	Mx	.004	1.5
76	MP3B	X	5.195	1.5
77	MP3B	Z	-8.998	1.5
78	MP3B	Mx	-.005	1.5
79	MP3C	X	7.38	1.5
80	MP3C	Z	-12.782	1.5
81	MP3C	Mx	.004	1.5
82	MP1A	X	13.615	.25
83	MP1A	Z	-23.582	.25
84	MP1A	Mx	-.007	.25
85	MP1A	X	13.615	3.75
86	MP1A	Z	-23.582	3.75
87	MP1A	Mx	-.007	3.75
88	MP1B	X	8.896	.25
89	MP1B	Z	-15.408	.25
90	MP1B	Mx	.009	.25
91	MP1B	X	8.896	3.75
92	MP1B	Z	-15.408	3.75
93	MP1B	Mx	.009	3.75
94	MP1C	X	13.615	.25
95	MP1C	Z	-23.582	.25
96	MP1C	Mx	-.007	.25
97	MP1C	X	13.615	3.75
98	MP1C	Z	-23.582	3.75
99	MP1C	Mx	-.007	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	10.837	2.5
2	MP2A	Z	-6.257	2.5
3	MP2A	Mx	.005	2.5
4	MP2B	X	10.837	2.5
5	MP2B	Z	-6.257	2.5
6	MP2B	Mx	-.005	2.5
7	MP2C	X	14.043	2.5
8	MP2C	Z	-8.108	2.5
9	MP2C	Mx	0	2.5
10	MP2A	X	21.461	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2A	Z	-12.39	1.25
12	MP2A	Mx	-.018	1.25
13	MP2A	X	21.461	4.75
14	MP2A	Z	-12.39	4.75
15	MP2A	Mx	-.018	4.75
16	MP2B	X	21.461	1.25
17	MP2B	Z	-12.39	1.25
18	MP2B	Mx	.004	1.25
19	MP2B	X	21.461	4.75
20	MP2B	Z	-12.39	4.75
21	MP2B	Mx	.004	4.75
22	MP2C	X	27.975	1.25
23	MP2C	Z	-16.151	1.25
24	MP2C	Mx	.019	1.25
25	MP2C	X	27.975	4.75
26	MP2C	Z	-16.151	4.75
27	MP2C	Mx	.019	4.75
28	MP2A	X	21.461	1.25
29	MP2A	Z	-12.39	1.25
30	MP2A	Mx	-.004	1.25
31	MP2A	X	21.461	4.75
32	MP2A	Z	-12.39	4.75
33	MP2A	Mx	-.004	4.75
34	MP2B	X	21.461	1.25
35	MP2B	Z	-12.39	1.25
36	MP2B	Mx	.018	1.25
37	MP2B	X	21.461	4.75
38	MP2B	Z	-12.39	4.75
39	MP2B	Mx	.018	4.75
40	MP2C	X	27.975	1.25
41	MP2C	Z	-16.151	1.25
42	MP2C	Mx	-.019	1.25
43	MP2C	X	27.975	4.75
44	MP2C	Z	-16.151	4.75
45	MP2C	Mx	-.019	4.75
46	MP2B	X	6.516	5.5
47	MP2B	Z	-3.762	5.5
48	MP2B	Mx	-.005	5.5
49	MP2B	X	6.516	5.5
50	MP2B	Z	-3.762	5.5
51	MP2B	Mx	-.008	5.5
52	MP4A	X	9.489	1.25
53	MP4A	Z	-5.478	1.25
54	MP4A	Mx	-.005	1.25
55	MP4A	X	9.489	2.75
56	MP4A	Z	-5.478	2.75
57	MP4A	Mx	-.005	2.75
58	MP4B	X	9.489	1.25
59	MP4B	Z	-5.478	1.25
60	MP4B	Mx	.005	1.25
61	MP4B	X	9.489	2.75
62	MP4B	Z	-5.478	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4B	Mx	.005	2.75
64	MP4C	X	16.665	1.25
65	MP4C	Z	-9.621	1.25
66	MP4C	Mx	0	1.25
67	MP4C	X	16.665	2.75
68	MP4C	Z	-9.621	2.75
69	MP4C	Mx	0	2.75
70	MP1A	X	24.143	1.5
71	MP1A	Z	-13.939	1.5
72	MP1A	Mx	.012	1.5
73	MP3A	X	10.259	1.5
74	MP3A	Z	-5.923	1.5
75	MP3A	Mx	.005	1.5
76	MP3B	X	10.259	1.5
77	MP3B	Z	-5.923	1.5
78	MP3B	Mx	-.005	1.5
79	MP3C	X	14.043	1.5
80	MP3C	Z	-8.108	1.5
81	MP3C	Mx	0	1.5
82	MP1A	X	18.132	.25
83	MP1A	Z	-10.469	.25
84	MP1A	Mx	-.009	.25
85	MP1A	X	18.132	3.75
86	MP1A	Z	-10.469	3.75
87	MP1A	Mx	-.009	3.75
88	MP1B	X	18.132	.25
89	MP1B	Z	-10.469	.25
90	MP1B	Mx	.009	.25
91	MP1B	X	18.132	3.75
92	MP1B	Z	-10.469	3.75
93	MP1B	Mx	.009	3.75
94	MP1C	X	26.306	.25
95	MP1C	Z	-15.188	.25
96	MP1C	Mx	0	.25
97	MP1C	X	26.306	3.75
98	MP1C	Z	-15.188	3.75
99	MP1C	Mx	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	11.279	2.5
2	MP2A	Z	0	2.5
3	MP2A	Mx	.006	2.5
4	MP2B	X	14.982	2.5
5	MP2B	Z	0	2.5
6	MP2B	Mx	-.004	2.5
7	MP2C	X	14.982	2.5
8	MP2C	Z	0	2.5
9	MP2C	Mx	-.004	2.5
10	MP2A	X	22.274	1.25
11	MP2A	Z	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2A	Mx	-.011	1.25
13	MP2A	X	22.274	4.75
14	MP2A	Z	0	4.75
15	MP2A	Mx	-.011	4.75
16	MP2B	X	29.796	1.25
17	MP2B	Z	0	1.25
18	MP2B	Mx	-.008	1.25
19	MP2B	X	29.796	4.75
20	MP2B	Z	0	4.75
21	MP2B	Mx	-.008	4.75
22	MP2C	X	29.796	1.25
23	MP2C	Z	0	1.25
24	MP2C	Mx	.023	1.25
25	MP2C	X	29.796	4.75
26	MP2C	Z	0	4.75
27	MP2C	Mx	.023	4.75
28	MP2A	X	22.274	1.25
29	MP2A	Z	0	1.25
30	MP2A	Mx	-.011	1.25
31	MP2A	X	22.274	4.75
32	MP2A	Z	0	4.75
33	MP2A	Mx	-.011	4.75
34	MP2B	X	29.796	1.25
35	MP2B	Z	0	1.25
36	MP2B	Mx	.023	1.25
37	MP2B	X	29.796	4.75
38	MP2B	Z	0	4.75
39	MP2B	Mx	.023	4.75
40	MP2C	X	29.796	1.25
41	MP2C	Z	0	1.25
42	MP2C	Mx	-.008	1.25
43	MP2C	X	29.796	4.75
44	MP2C	Z	0	4.75
45	MP2C	Mx	-.008	4.75
46	MP2B	X	4.746	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	-.001	5.5
49	MP2B	X	4.746	5.5
50	MP2B	Z	0	5.5
51	MP2B	Mx	-.004	5.5
52	MP4A	X	8.195	1.25
53	MP4A	Z	0	1.25
54	MP4A	Mx	-.004	1.25
55	MP4A	X	8.195	2.75
56	MP4A	Z	0	2.75
57	MP4A	Mx	-.004	2.75
58	MP4B	X	16.481	1.25
59	MP4B	Z	0	1.25
60	MP4B	Mx	.004	1.25
61	MP4B	X	16.481	2.75
62	MP4B	Z	0	2.75
63	MP4B	Mx	.004	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP4C	X	16.481	1.25
65	MP4C	Z	0	1.25
66	MP4C	Mx	.004	1.25
67	MP4C	X	16.481	2.75
68	MP4C	Z	0	2.75
69	MP4C	Mx	.004	2.75
70	MP1A	X	26.061	1.5
71	MP1A	Z	0	1.5
72	MP1A	Mx	.013	1.5
73	MP3A	X	10.39	1.5
74	MP3A	Z	0	1.5
75	MP3A	Mx	.005	1.5
76	MP3B	X	14.76	1.5
77	MP3B	Z	0	1.5
78	MP3B	Mx	-.004	1.5
79	MP3C	X	14.76	1.5
80	MP3C	Z	0	1.5
81	MP3C	Mx	-.004	1.5
82	MP1A	X	17.791	.25
83	MP1A	Z	0	.25
84	MP1A	Mx	-.009	.25
85	MP1A	X	17.791	3.75
86	MP1A	Z	0	3.75
87	MP1A	Mx	-.009	3.75
88	MP1B	X	27.23	.25
89	MP1B	Z	0	.25
90	MP1B	Mx	.007	.25
91	MP1B	X	27.23	3.75
92	MP1B	Z	0	3.75
93	MP1B	Mx	.007	3.75
94	MP1C	X	27.23	.25
95	MP1C	Z	0	.25
96	MP1C	Mx	.007	.25
97	MP1C	X	27.23	3.75
98	MP1C	Z	0	3.75
99	MP1C	Mx	.007	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	10.837	2.5
2	MP2A	Z	6.257	2.5
3	MP2A	Mx	.005	2.5
4	MP2B	X	14.043	2.5
5	MP2B	Z	8.108	2.5
6	MP2B	Mx	0	2.5
7	MP2C	X	10.837	2.5
8	MP2C	Z	6.257	2.5
9	MP2C	Mx	-.005	2.5
10	MP2A	X	21.461	1.25
11	MP2A	Z	12.39	1.25
12	MP2A	Mx	-.004	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2A	X	21.461	4.75
14	MP2A	Z	12.39	4.75
15	MP2A	Mx	-.004	4.75
16	MP2B	X	27.975	1.25
17	MP2B	Z	16.151	1.25
18	MP2B	Mx	-.019	1.25
19	MP2B	X	27.975	4.75
20	MP2B	Z	16.151	4.75
21	MP2B	Mx	-.019	4.75
22	MP2C	X	21.461	1.25
23	MP2C	Z	12.39	1.25
24	MP2C	Mx	.018	1.25
25	MP2C	X	21.461	4.75
26	MP2C	Z	12.39	4.75
27	MP2C	Mx	.018	4.75
28	MP2A	X	21.461	1.25
29	MP2A	Z	12.39	1.25
30	MP2A	Mx	-.018	1.25
31	MP2A	X	21.461	4.75
32	MP2A	Z	12.39	4.75
33	MP2A	Mx	-.018	4.75
34	MP2B	X	27.975	1.25
35	MP2B	Z	16.151	1.25
36	MP2B	Mx	.019	1.25
37	MP2B	X	27.975	4.75
38	MP2B	Z	16.151	4.75
39	MP2B	Mx	.019	4.75
40	MP2C	X	21.461	1.25
41	MP2C	Z	12.39	1.25
42	MP2C	Mx	.004	1.25
43	MP2C	X	21.461	4.75
44	MP2C	Z	12.39	4.75
45	MP2C	Mx	.004	4.75
46	MP2B	X	2.907	5.5
47	MP2B	Z	1.678	5.5
48	MP2B	Mx	.001	5.5
49	MP2B	X	2.907	5.5
50	MP2B	Z	1.678	5.5
51	MP2B	Mx	-.001	5.5
52	MP4A	X	9.489	1.25
53	MP4A	Z	5.478	1.25
54	MP4A	Mx	-.005	1.25
55	MP4A	X	9.489	2.75
56	MP4A	Z	5.478	2.75
57	MP4A	Mx	-.005	2.75
58	MP4B	X	16.665	1.25
59	MP4B	Z	9.621	1.25
60	MP4B	Mx	0	1.25
61	MP4B	X	16.665	2.75
62	MP4B	Z	9.621	2.75
63	MP4B	Mx	0	2.75
64	MP4C	X	9.489	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP4C	Z	5.478	1.25
66	MP4C	Mx	.005	1.25
67	MP4C	X	9.489	2.75
68	MP4C	Z	5.478	2.75
69	MP4C	Mx	.005	2.75
70	MP1A	X	24.143	1.5
71	MP1A	Z	13.939	1.5
72	MP1A	Mx	.012	1.5
73	MP3A	X	10.259	1.5
74	MP3A	Z	5.923	1.5
75	MP3A	Mx	.005	1.5
76	MP3B	X	14.043	1.5
77	MP3B	Z	8.108	1.5
78	MP3B	Mx	0	1.5
79	MP3C	X	10.259	1.5
80	MP3C	Z	5.923	1.5
81	MP3C	Mx	-.005	1.5
82	MP1A	X	18.132	.25
83	MP1A	Z	10.469	.25
84	MP1A	Mx	-.009	.25
85	MP1A	X	18.132	3.75
86	MP1A	Z	10.469	3.75
87	MP1A	Mx	-.009	3.75
88	MP1B	X	26.306	.25
89	MP1B	Z	15.188	.25
90	MP1B	Mx	0	.25
91	MP1B	X	26.306	3.75
92	MP1B	Z	15.188	3.75
93	MP1B	Mx	0	3.75
94	MP1C	X	18.132	.25
95	MP1C	Z	10.469	.25
96	MP1C	Mx	.009	.25
97	MP1C	X	18.132	3.75
98	MP1C	Z	10.469	3.75
99	MP1C	Mx	.009	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.491	2.5
2	MP2A	Z	12.975	2.5
3	MP2A	Mx	.004	2.5
4	MP2B	X	7.491	2.5
5	MP2B	Z	12.975	2.5
6	MP2B	Mx	.004	2.5
7	MP2C	X	5.639	2.5
8	MP2C	Z	9.768	2.5
9	MP2C	Mx	-.006	2.5
10	MP2A	X	14.898	1.25
11	MP2A	Z	25.804	1.25
12	MP2A	Mx	.008	1.25
13	MP2A	X	14.898	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP2A	Z	25.804	4.75
15	MP2A	Mx	.008	4.75
16	MP2B	X	14.898	1.25
17	MP2B	Z	25.804	1.25
18	MP2B	Mx	-.023	1.25
19	MP2B	X	14.898	4.75
20	MP2B	Z	25.804	4.75
21	MP2B	Mx	-.023	4.75
22	MP2C	X	11.137	1.25
23	MP2C	Z	19.289	1.25
24	MP2C	Mx	.011	1.25
25	MP2C	X	11.137	4.75
26	MP2C	Z	19.289	4.75
27	MP2C	Mx	.011	4.75
28	MP2A	X	14.898	1.25
29	MP2A	Z	25.804	1.25
30	MP2A	Mx	-.023	1.25
31	MP2A	X	14.898	4.75
32	MP2A	Z	25.804	4.75
33	MP2A	Mx	-.023	4.75
34	MP2B	X	14.898	1.25
35	MP2B	Z	25.804	1.25
36	MP2B	Mx	.008	1.25
37	MP2B	X	14.898	4.75
38	MP2B	Z	25.804	4.75
39	MP2B	Mx	.008	4.75
40	MP2C	X	11.137	1.25
41	MP2C	Z	19.289	1.25
42	MP2C	Mx	.011	1.25
43	MP2C	X	11.137	4.75
44	MP2C	Z	19.289	4.75
45	MP2C	Mx	.011	4.75
46	MP2B	X	2.373	5.5
47	MP2B	Z	4.11	5.5
48	MP2B	Mx	.004	5.5
49	MP2B	X	2.373	5.5
50	MP2B	Z	4.11	5.5
51	MP2B	Mx	.001	5.5
52	MP4A	X	8.24	1.25
53	MP4A	Z	14.273	1.25
54	MP4A	Mx	-.004	1.25
55	MP4A	X	8.24	2.75
56	MP4A	Z	14.273	2.75
57	MP4A	Mx	-.004	2.75
58	MP4B	X	8.24	1.25
59	MP4B	Z	14.273	1.25
60	MP4B	Mx	-.004	1.25
61	MP4B	X	8.24	2.75
62	MP4B	Z	14.273	2.75
63	MP4B	Mx	-.004	2.75
64	MP4C	X	4.098	1.25
65	MP4C	Z	7.097	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP4C	Mx	.004	1.25
67	MP4C	X	4.098	2.75
68	MP4C	Z	7.097	2.75
69	MP4C	Mx	.004	2.75
70	MP1A	X	15.756	1.5
71	MP1A	Z	27.29	1.5
72	MP1A	Mx	.008	1.5
73	MP3A	X	7.38	1.5
74	MP3A	Z	12.782	1.5
75	MP3A	Mx	.004	1.5
76	MP3B	X	7.38	1.5
77	MP3B	Z	12.782	1.5
78	MP3B	Mx	.004	1.5
79	MP3C	X	5.195	1.5
80	MP3C	Z	8.998	1.5
81	MP3C	Mx	-.005	1.5
82	MP1A	X	13.615	.25
83	MP1A	Z	23.582	.25
84	MP1A	Mx	-.007	.25
85	MP1A	X	13.615	3.75
86	MP1A	Z	23.582	3.75
87	MP1A	Mx	-.007	3.75
88	MP1B	X	13.615	.25
89	MP1B	Z	23.582	.25
90	MP1B	Mx	-.007	.25
91	MP1B	X	13.615	3.75
92	MP1B	Z	23.582	3.75
93	MP1B	Mx	-.007	3.75
94	MP1C	X	8.896	.25
95	MP1C	Z	15.408	.25
96	MP1C	Mx	.009	.25
97	MP1C	X	8.896	3.75
98	MP1C	Z	15.408	3.75
99	MP1C	Mx	.009	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.5
2	MP2A	Z	16.216	2.5
3	MP2A	Mx	0	2.5
4	MP2B	X	0	2.5
5	MP2B	Z	12.513	2.5
6	MP2B	Mx	.005	2.5
7	MP2C	X	0	2.5
8	MP2C	Z	12.513	2.5
9	MP2C	Mx	-.005	2.5
10	MP2A	X	0	1.25
11	MP2A	Z	32.303	1.25
12	MP2A	Mx	.019	1.25
13	MP2A	X	0	4.75
14	MP2A	Z	32.303	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2A	Mx	.019	4.75
16	MP2B	X	0	1.25
17	MP2B	Z	24.781	1.25
18	MP2B	Mx	-.018	1.25
19	MP2B	X	0	4.75
20	MP2B	Z	24.781	4.75
21	MP2B	Mx	-.018	4.75
22	MP2C	X	0	1.25
23	MP2C	Z	24.781	1.25
24	MP2C	Mx	.004	1.25
25	MP2C	X	0	4.75
26	MP2C	Z	24.781	4.75
27	MP2C	Mx	.004	4.75
28	MP2A	X	0	1.25
29	MP2A	Z	32.303	1.25
30	MP2A	Mx	-.019	1.25
31	MP2A	X	0	4.75
32	MP2A	Z	32.303	4.75
33	MP2A	Mx	-.019	4.75
34	MP2B	X	0	1.25
35	MP2B	Z	24.781	1.25
36	MP2B	Mx	-.004	1.25
37	MP2B	X	0	4.75
38	MP2B	Z	24.781	4.75
39	MP2B	Mx	-.004	4.75
40	MP2C	X	0	1.25
41	MP2C	Z	24.781	1.25
42	MP2C	Mx	.018	1.25
43	MP2C	X	0	4.75
44	MP2C	Z	24.781	4.75
45	MP2C	Mx	.018	4.75
46	MP2B	X	0	5.5
47	MP2B	Z	7.524	5.5
48	MP2B	Mx	.008	5.5
49	MP2B	X	0	5.5
50	MP2B	Z	7.524	5.5
51	MP2B	Mx	.005	5.5
52	MP4A	X	0	1.25
53	MP4A	Z	19.243	1.25
54	MP4A	Mx	0	1.25
55	MP4A	X	0	2.75
56	MP4A	Z	19.243	2.75
57	MP4A	Mx	0	2.75
58	MP4B	X	0	1.25
59	MP4B	Z	10.957	1.25
60	MP4B	Mx	-.005	1.25
61	MP4B	X	0	2.75
62	MP4B	Z	10.957	2.75
63	MP4B	Mx	-.005	2.75
64	MP4C	X	0	1.25
65	MP4C	Z	10.957	1.25
66	MP4C	Mx	.005	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP4C	X	0	2.75
68	MP4C	Z	10.957	2.75
69	MP4C	Mx	.005	2.75
70	MP1A	X	0	1.5
71	MP1A	Z	33.329	1.5
72	MP1A	Mx	0	1.5
73	MP3A	X	0	1.5
74	MP3A	Z	16.216	1.5
75	MP3A	Mx	0	1.5
76	MP3B	X	0	1.5
77	MP3B	Z	11.847	1.5
78	MP3B	Mx	.005	1.5
79	MP3C	X	0	1.5
80	MP3C	Z	11.847	1.5
81	MP3C	Mx	-.005	1.5
82	MP1A	X	0	.25
83	MP1A	Z	30.376	.25
84	MP1A	Mx	0	.25
85	MP1A	X	0	3.75
86	MP1A	Z	30.376	3.75
87	MP1A	Mx	0	3.75
88	MP1B	X	0	.25
89	MP1B	Z	20.937	.25
90	MP1B	Mx	-.009	.25
91	MP1B	X	0	3.75
92	MP1B	Z	20.937	3.75
93	MP1B	Mx	-.009	3.75
94	MP1C	X	0	.25
95	MP1C	Z	20.937	.25
96	MP1C	Mx	.009	.25
97	MP1C	X	0	3.75
98	MP1C	Z	20.937	3.75
99	MP1C	Mx	.009	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.491	2.5
2	MP2A	Z	12.975	2.5
3	MP2A	Mx	-.004	2.5
4	MP2B	X	-5.639	2.5
5	MP2B	Z	9.768	2.5
6	MP2B	Mx	.006	2.5
7	MP2C	X	-7.491	2.5
8	MP2C	Z	12.975	2.5
9	MP2C	Mx	-.004	2.5
10	MP2A	X	-14.898	1.25
11	MP2A	Z	25.804	1.25
12	MP2A	Mx	.023	1.25
13	MP2A	X	-14.898	4.75
14	MP2A	Z	25.804	4.75
15	MP2A	Mx	.023	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2B	X	-11.137	1.25
17	MP2B	Z	19.289	1.25
18	MP2B	Mx	-.011	1.25
19	MP2B	X	-11.137	4.75
20	MP2B	Z	19.289	4.75
21	MP2B	Mx	-.011	4.75
22	MP2C	X	-14.898	1.25
23	MP2C	Z	25.804	1.25
24	MP2C	Mx	-.008	1.25
25	MP2C	X	-14.898	4.75
26	MP2C	Z	25.804	4.75
27	MP2C	Mx	-.008	4.75
28	MP2A	X	-14.898	1.25
29	MP2A	Z	25.804	1.25
30	MP2A	Mx	-.008	1.25
31	MP2A	X	-14.898	4.75
32	MP2A	Z	25.804	4.75
33	MP2A	Mx	-.008	4.75
34	MP2B	X	-11.137	1.25
35	MP2B	Z	19.289	1.25
36	MP2B	Mx	-.011	1.25
37	MP2B	X	-11.137	4.75
38	MP2B	Z	19.289	4.75
39	MP2B	Mx	-.011	4.75
40	MP2C	X	-14.898	1.25
41	MP2C	Z	25.804	1.25
42	MP2C	Mx	.023	1.25
43	MP2C	X	-14.898	4.75
44	MP2C	Z	25.804	4.75
45	MP2C	Mx	.023	4.75
46	MP2B	X	-4.456	5.5
47	MP2B	Z	7.719	5.5
48	MP2B	Mx	.009	5.5
49	MP2B	X	-4.456	5.5
50	MP2B	Z	7.719	5.5
51	MP2B	Mx	.009	5.5
52	MP4A	X	-8.24	1.25
53	MP4A	Z	14.273	1.25
54	MP4A	Mx	.004	1.25
55	MP4A	X	-8.24	2.75
56	MP4A	Z	14.273	2.75
57	MP4A	Mx	.004	2.75
58	MP4B	X	-4.098	1.25
59	MP4B	Z	7.097	1.25
60	MP4B	Mx	-.004	1.25
61	MP4B	X	-4.098	2.75
62	MP4B	Z	7.097	2.75
63	MP4B	Mx	-.004	2.75
64	MP4C	X	-8.24	1.25
65	MP4C	Z	14.273	1.25
66	MP4C	Mx	.004	1.25
67	MP4C	X	-8.24	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP4C	Z	14.273	2.75
69	MP4C	Mx	.004	2.75
70	MP1A	X	-15.756	1.5
71	MP1A	Z	27.29	1.5
72	MP1A	Mx	-.008	1.5
73	MP3A	X	-7.38	1.5
74	MP3A	Z	12.782	1.5
75	MP3A	Mx	-.004	1.5
76	MP3B	X	-5.195	1.5
77	MP3B	Z	8.998	1.5
78	MP3B	Mx	.005	1.5
79	MP3C	X	-7.38	1.5
80	MP3C	Z	12.782	1.5
81	MP3C	Mx	-.004	1.5
82	MP1A	X	-13.615	.25
83	MP1A	Z	23.582	.25
84	MP1A	Mx	.007	.25
85	MP1A	X	-13.615	3.75
86	MP1A	Z	23.582	3.75
87	MP1A	Mx	.007	3.75
88	MP1B	X	-8.896	.25
89	MP1B	Z	15.408	.25
90	MP1B	Mx	-.009	.25
91	MP1B	X	-8.896	3.75
92	MP1B	Z	15.408	3.75
93	MP1B	Mx	-.009	3.75
94	MP1C	X	-13.615	.25
95	MP1C	Z	23.582	.25
96	MP1C	Mx	.007	.25
97	MP1C	X	-13.615	3.75
98	MP1C	Z	23.582	3.75
99	MP1C	Mx	.007	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-10.837	2.5
2	MP2A	Z	6.257	2.5
3	MP2A	Mx	-.005	2.5
4	MP2B	X	-10.837	2.5
5	MP2B	Z	6.257	2.5
6	MP2B	Mx	.005	2.5
7	MP2C	X	-14.043	2.5
8	MP2C	Z	8.108	2.5
9	MP2C	Mx	0	2.5
10	MP2A	X	-21.461	1.25
11	MP2A	Z	12.39	1.25
12	MP2A	Mx	.018	1.25
13	MP2A	X	-21.461	4.75
14	MP2A	Z	12.39	4.75
15	MP2A	Mx	.018	4.75
16	MP2B	X	-21.461	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2B	Z	12.39	1.25
18	MP2B	Mx	-.004	1.25
19	MP2B	X	-21.461	4.75
20	MP2B	Z	12.39	4.75
21	MP2B	Mx	-.004	4.75
22	MP2C	X	-27.975	1.25
23	MP2C	Z	16.151	1.25
24	MP2C	Mx	-.019	1.25
25	MP2C	X	-27.975	4.75
26	MP2C	Z	16.151	4.75
27	MP2C	Mx	-.019	4.75
28	MP2A	X	-21.461	1.25
29	MP2A	Z	12.39	1.25
30	MP2A	Mx	.004	1.25
31	MP2A	X	-21.461	4.75
32	MP2A	Z	12.39	4.75
33	MP2A	Mx	.004	4.75
34	MP2B	X	-21.461	1.25
35	MP2B	Z	12.39	1.25
36	MP2B	Mx	-.018	1.25
37	MP2B	X	-21.461	4.75
38	MP2B	Z	12.39	4.75
39	MP2B	Mx	-.018	4.75
40	MP2C	X	-27.975	1.25
41	MP2C	Z	16.151	1.25
42	MP2C	Mx	.019	1.25
43	MP2C	X	-27.975	4.75
44	MP2C	Z	16.151	4.75
45	MP2C	Mx	.019	4.75
46	MP2B	X	-6.516	5.5
47	MP2B	Z	3.762	5.5
48	MP2B	Mx	.005	5.5
49	MP2B	X	-6.516	5.5
50	MP2B	Z	3.762	5.5
51	MP2B	Mx	.008	5.5
52	MP4A	X	-9.489	1.25
53	MP4A	Z	5.478	1.25
54	MP4A	Mx	.005	1.25
55	MP4A	X	-9.489	2.75
56	MP4A	Z	5.478	2.75
57	MP4A	Mx	.005	2.75
58	MP4B	X	-9.489	1.25
59	MP4B	Z	5.478	1.25
60	MP4B	Mx	-.005	1.25
61	MP4B	X	-9.489	2.75
62	MP4B	Z	5.478	2.75
63	MP4B	Mx	-.005	2.75
64	MP4C	X	-16.665	1.25
65	MP4C	Z	9.621	1.25
66	MP4C	Mx	0	1.25
67	MP4C	X	-16.665	2.75
68	MP4C	Z	9.621	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP4C	Mx	0	2.75
70	MP1A	X	-24.143	1.5
71	MP1A	Z	13.939	1.5
72	MP1A	Mx	-.012	1.5
73	MP3A	X	-10.259	1.5
74	MP3A	Z	5.923	1.5
75	MP3A	Mx	-.005	1.5
76	MP3B	X	-10.259	1.5
77	MP3B	Z	5.923	1.5
78	MP3B	Mx	.005	1.5
79	MP3C	X	-14.043	1.5
80	MP3C	Z	8.108	1.5
81	MP3C	Mx	0	1.5
82	MP1A	X	-18.132	.25
83	MP1A	Z	10.469	.25
84	MP1A	Mx	.009	.25
85	MP1A	X	-18.132	3.75
86	MP1A	Z	10.469	3.75
87	MP1A	Mx	.009	3.75
88	MP1B	X	-18.132	.25
89	MP1B	Z	10.469	.25
90	MP1B	Mx	-.009	.25
91	MP1B	X	-18.132	3.75
92	MP1B	Z	10.469	3.75
93	MP1B	Mx	-.009	3.75
94	MP1C	X	-26.306	.25
95	MP1C	Z	15.188	.25
96	MP1C	Mx	0	.25
97	MP1C	X	-26.306	3.75
98	MP1C	Z	15.188	3.75
99	MP1C	Mx	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-11.279	2.5
2	MP2A	Z	0	2.5
3	MP2A	Mx	-.006	2.5
4	MP2B	X	-14.982	2.5
5	MP2B	Z	0	2.5
6	MP2B	Mx	.004	2.5
7	MP2C	X	-14.982	2.5
8	MP2C	Z	0	2.5
9	MP2C	Mx	.004	2.5
10	MP2A	X	-22.274	1.25
11	MP2A	Z	0	1.25
12	MP2A	Mx	.011	1.25
13	MP2A	X	-22.274	4.75
14	MP2A	Z	0	4.75
15	MP2A	Mx	.011	4.75
16	MP2B	X	-29.796	1.25
17	MP2B	Z	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2B	Mx	.008	1.25
19	MP2B	X	-29.796	4.75
20	MP2B	Z	0	4.75
21	MP2B	Mx	.008	4.75
22	MP2C	X	-29.796	1.25
23	MP2C	Z	0	1.25
24	MP2C	Mx	-.023	1.25
25	MP2C	X	-29.796	4.75
26	MP2C	Z	0	4.75
27	MP2C	Mx	-.023	4.75
28	MP2A	X	-22.274	1.25
29	MP2A	Z	0	1.25
30	MP2A	Mx	.011	1.25
31	MP2A	X	-22.274	4.75
32	MP2A	Z	0	4.75
33	MP2A	Mx	.011	4.75
34	MP2B	X	-29.796	1.25
35	MP2B	Z	0	1.25
36	MP2B	Mx	-.023	1.25
37	MP2B	X	-29.796	4.75
38	MP2B	Z	0	4.75
39	MP2B	Mx	-.023	4.75
40	MP2C	X	-29.796	1.25
41	MP2C	Z	0	1.25
42	MP2C	Mx	.008	1.25
43	MP2C	X	-29.796	4.75
44	MP2C	Z	0	4.75
45	MP2C	Mx	.008	4.75
46	MP2B	X	-4.746	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.001	5.5
49	MP2B	X	-4.746	5.5
50	MP2B	Z	0	5.5
51	MP2B	Mx	.004	5.5
52	MP4A	X	-8.195	1.25
53	MP4A	Z	0	1.25
54	MP4A	Mx	.004	1.25
55	MP4A	X	-8.195	2.75
56	MP4A	Z	0	2.75
57	MP4A	Mx	.004	2.75
58	MP4B	X	-16.481	1.25
59	MP4B	Z	0	1.25
60	MP4B	Mx	-.004	1.25
61	MP4B	X	-16.481	2.75
62	MP4B	Z	0	2.75
63	MP4B	Mx	-.004	2.75
64	MP4C	X	-16.481	1.25
65	MP4C	Z	0	1.25
66	MP4C	Mx	-.004	1.25
67	MP4C	X	-16.481	2.75
68	MP4C	Z	0	2.75
69	MP4C	Mx	-.004	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1A	X	-26.061	1.5
71	MP1A	Z	0	1.5
72	MP1A	Mx	-.013	1.5
73	MP3A	X	-10.39	1.5
74	MP3A	Z	0	1.5
75	MP3A	Mx	-.005	1.5
76	MP3B	X	-14.76	1.5
77	MP3B	Z	0	1.5
78	MP3B	Mx	.004	1.5
79	MP3C	X	-14.76	1.5
80	MP3C	Z	0	1.5
81	MP3C	Mx	.004	1.5
82	MP1A	X	-17.791	.25
83	MP1A	Z	0	.25
84	MP1A	Mx	.009	.25
85	MP1A	X	-17.791	3.75
86	MP1A	Z	0	3.75
87	MP1A	Mx	.009	3.75
88	MP1B	X	-27.23	.25
89	MP1B	Z	0	.25
90	MP1B	Mx	-.007	.25
91	MP1B	X	-27.23	3.75
92	MP1B	Z	0	3.75
93	MP1B	Mx	-.007	3.75
94	MP1C	X	-27.23	.25
95	MP1C	Z	0	.25
96	MP1C	Mx	-.007	.25
97	MP1C	X	-27.23	3.75
98	MP1C	Z	0	3.75
99	MP1C	Mx	-.007	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-10.837	2.5
2	MP2A	Z	-6.257	2.5
3	MP2A	Mx	-.005	2.5
4	MP2B	X	-14.043	2.5
5	MP2B	Z	-8.108	2.5
6	MP2B	Mx	0	2.5
7	MP2C	X	-10.837	2.5
8	MP2C	Z	-6.257	2.5
9	MP2C	Mx	.005	2.5
10	MP2A	X	-21.461	1.25
11	MP2A	Z	-12.39	1.25
12	MP2A	Mx	.004	1.25
13	MP2A	X	-21.461	4.75
14	MP2A	Z	-12.39	4.75
15	MP2A	Mx	.004	4.75
16	MP2B	X	-27.975	1.25
17	MP2B	Z	-16.151	1.25
18	MP2B	Mx	.019	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2B	X	-27.975	4.75
20	MP2B	Z	-16.151	4.75
21	MP2B	Mx	.019	4.75
22	MP2C	X	-21.461	1.25
23	MP2C	Z	-12.39	1.25
24	MP2C	Mx	-.018	1.25
25	MP2C	X	-21.461	4.75
26	MP2C	Z	-12.39	4.75
27	MP2C	Mx	-.018	4.75
28	MP2A	X	-21.461	1.25
29	MP2A	Z	-12.39	1.25
30	MP2A	Mx	.018	1.25
31	MP2A	X	-21.461	4.75
32	MP2A	Z	-12.39	4.75
33	MP2A	Mx	.018	4.75
34	MP2B	X	-27.975	1.25
35	MP2B	Z	-16.151	1.25
36	MP2B	Mx	-.019	1.25
37	MP2B	X	-27.975	4.75
38	MP2B	Z	-16.151	4.75
39	MP2B	Mx	-.019	4.75
40	MP2C	X	-21.461	1.25
41	MP2C	Z	-12.39	1.25
42	MP2C	Mx	-.004	1.25
43	MP2C	X	-21.461	4.75
44	MP2C	Z	-12.39	4.75
45	MP2C	Mx	-.004	4.75
46	MP2B	X	-2.907	5.5
47	MP2B	Z	-1.678	5.5
48	MP2B	Mx	-.001	5.5
49	MP2B	X	-2.907	5.5
50	MP2B	Z	-1.678	5.5
51	MP2B	Mx	.001	5.5
52	MP4A	X	-9.489	1.25
53	MP4A	Z	-5.478	1.25
54	MP4A	Mx	.005	1.25
55	MP4A	X	-9.489	2.75
56	MP4A	Z	-5.478	2.75
57	MP4A	Mx	.005	2.75
58	MP4B	X	-16.665	1.25
59	MP4B	Z	-9.621	1.25
60	MP4B	Mx	0	1.25
61	MP4B	X	-16.665	2.75
62	MP4B	Z	-9.621	2.75
63	MP4B	Mx	0	2.75
64	MP4C	X	-9.489	1.25
65	MP4C	Z	-5.478	1.25
66	MP4C	Mx	-.005	1.25
67	MP4C	X	-9.489	2.75
68	MP4C	Z	-5.478	2.75
69	MP4C	Mx	-.005	2.75
70	MP1A	X	-24.143	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP1A	Z	-13.939	1.5
72	MP1A	Mx	-.012	1.5
73	MP3A	X	-10.259	1.5
74	MP3A	Z	-5.923	1.5
75	MP3A	Mx	-.005	1.5
76	MP3B	X	-14.043	1.5
77	MP3B	Z	-8.108	1.5
78	MP3B	Mx	0	1.5
79	MP3C	X	-10.259	1.5
80	MP3C	Z	-5.923	1.5
81	MP3C	Mx	.005	1.5
82	MP1A	X	-18.132	.25
83	MP1A	Z	-10.469	.25
84	MP1A	Mx	.009	.25
85	MP1A	X	-18.132	3.75
86	MP1A	Z	-10.469	3.75
87	MP1A	Mx	.009	3.75
88	MP1B	X	-26.306	.25
89	MP1B	Z	-15.188	.25
90	MP1B	Mx	0	.25
91	MP1B	X	-26.306	3.75
92	MP1B	Z	-15.188	3.75
93	MP1B	Mx	0	3.75
94	MP1C	X	-18.132	.25
95	MP1C	Z	-10.469	.25
96	MP1C	Mx	-.009	.25
97	MP1C	X	-18.132	3.75
98	MP1C	Z	-10.469	3.75
99	MP1C	Mx	-.009	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.491	2.5
2	MP2A	Z	-12.975	2.5
3	MP2A	Mx	-.004	2.5
4	MP2B	X	-7.491	2.5
5	MP2B	Z	-12.975	2.5
6	MP2B	Mx	-.004	2.5
7	MP2C	X	-5.639	2.5
8	MP2C	Z	-9.768	2.5
9	MP2C	Mx	.006	2.5
10	MP2A	X	-14.898	1.25
11	MP2A	Z	-25.804	1.25
12	MP2A	Mx	-.008	1.25
13	MP2A	X	-14.898	4.75
14	MP2A	Z	-25.804	4.75
15	MP2A	Mx	-.008	4.75
16	MP2B	X	-14.898	1.25
17	MP2B	Z	-25.804	1.25
18	MP2B	Mx	.023	1.25
19	MP2B	X	-14.898	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2B	Z	-25.804	4.75
21	MP2B	Mx	.023	4.75
22	MP2C	X	-11.137	1.25
23	MP2C	Z	-19.289	1.25
24	MP2C	Mx	-.011	1.25
25	MP2C	X	-11.137	4.75
26	MP2C	Z	-19.289	4.75
27	MP2C	Mx	-.011	4.75
28	MP2A	X	-14.898	1.25
29	MP2A	Z	-25.804	1.25
30	MP2A	Mx	.023	1.25
31	MP2A	X	-14.898	4.75
32	MP2A	Z	-25.804	4.75
33	MP2A	Mx	.023	4.75
34	MP2B	X	-14.898	1.25
35	MP2B	Z	-25.804	1.25
36	MP2B	Mx	-.008	1.25
37	MP2B	X	-14.898	4.75
38	MP2B	Z	-25.804	4.75
39	MP2B	Mx	-.008	4.75
40	MP2C	X	-11.137	1.25
41	MP2C	Z	-19.289	1.25
42	MP2C	Mx	-.011	1.25
43	MP2C	X	-11.137	4.75
44	MP2C	Z	-19.289	4.75
45	MP2C	Mx	-.011	4.75
46	MP2B	X	-2.373	5.5
47	MP2B	Z	-4.11	5.5
48	MP2B	Mx	-.004	5.5
49	MP2B	X	-2.373	5.5
50	MP2B	Z	-4.11	5.5
51	MP2B	Mx	-.001	5.5
52	MP4A	X	-8.24	1.25
53	MP4A	Z	-14.273	1.25
54	MP4A	Mx	.004	1.25
55	MP4A	X	-8.24	2.75
56	MP4A	Z	-14.273	2.75
57	MP4A	Mx	.004	2.75
58	MP4B	X	-8.24	1.25
59	MP4B	Z	-14.273	1.25
60	MP4B	Mx	.004	1.25
61	MP4B	X	-8.24	2.75
62	MP4B	Z	-14.273	2.75
63	MP4B	Mx	.004	2.75
64	MP4C	X	-4.098	1.25
65	MP4C	Z	-7.097	1.25
66	MP4C	Mx	-.004	1.25
67	MP4C	X	-4.098	2.75
68	MP4C	Z	-7.097	2.75
69	MP4C	Mx	-.004	2.75
70	MP1A	X	-15.756	1.5
71	MP1A	Z	-27.29	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP1A	Mx	-.008	1.5
73	MP3A	X	-7.38	1.5
74	MP3A	Z	-12.782	1.5
75	MP3A	Mx	-.004	1.5
76	MP3B	X	-7.38	1.5
77	MP3B	Z	-12.782	1.5
78	MP3B	Mx	-.004	1.5
79	MP3C	X	-5.195	1.5
80	MP3C	Z	-8.998	1.5
81	MP3C	Mx	.005	1.5
82	MP1A	X	-13.615	.25
83	MP1A	Z	-23.582	.25
84	MP1A	Mx	.007	.25
85	MP1A	X	-13.615	3.75
86	MP1A	Z	-23.582	3.75
87	MP1A	Mx	.007	3.75
88	MP1B	X	-13.615	.25
89	MP1B	Z	-23.582	.25
90	MP1B	Mx	.007	.25
91	MP1B	X	-13.615	3.75
92	MP1B	Z	-23.582	3.75
93	MP1B	Mx	.007	3.75
94	MP1C	X	-8.896	.25
95	MP1C	Z	-15.408	.25
96	MP1C	Mx	-.009	.25
97	MP1C	X	-8.896	3.75
98	MP1C	Z	-15.408	3.75
99	MP1C	Mx	-.009	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.5
2	MP2A	Z	-4.045	2.5
3	MP2A	Mx	0	2.5
4	MP2B	X	0	2.5
5	MP2B	Z	-3.047	2.5
6	MP2B	Mx	-.001	2.5
7	MP2C	X	0	2.5
8	MP2C	Z	-3.047	2.5
9	MP2C	Mx	.001	2.5
10	MP2A	X	0	1.25
11	MP2A	Z	-7.086	1.25
12	MP2A	Mx	-.004	1.25
13	MP2A	X	0	4.75
14	MP2A	Z	-7.086	4.75
15	MP2A	Mx	-.004	4.75
16	MP2B	X	0	1.25
17	MP2B	Z	-4.052	1.25
18	MP2B	Mx	.003	1.25
19	MP2B	X	0	4.75
20	MP2B	Z	-4.052	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2B	Mx	.003	4.75
22	MP2C	X	0	1.25
23	MP2C	Z	-4.052	1.25
24	MP2C	Mx	-.000573	1.25
25	MP2C	X	0	4.75
26	MP2C	Z	-4.052	4.75
27	MP2C	Mx	-.000573	4.75
28	MP2A	X	0	1.25
29	MP2A	Z	-7.086	1.25
30	MP2A	Mx	.004	1.25
31	MP2A	X	0	4.75
32	MP2A	Z	-7.086	4.75
33	MP2A	Mx	.004	4.75
34	MP2B	X	0	1.25
35	MP2B	Z	-4.052	1.25
36	MP2B	Mx	.000573	1.25
37	MP2B	X	0	4.75
38	MP2B	Z	-4.052	4.75
39	MP2B	Mx	.000573	4.75
40	MP2C	X	0	1.25
41	MP2C	Z	-4.052	1.25
42	MP2C	Mx	-.003	1.25
43	MP2C	X	0	4.75
44	MP2C	Z	-4.052	4.75
45	MP2C	Mx	-.003	4.75
46	MP2B	X	0	5.5
47	MP2B	Z	-2.511	5.5
48	MP2B	Mx	-.003	5.5
49	MP2B	X	0	5.5
50	MP2B	Z	-2.511	5.5
51	MP2B	Mx	-.002	5.5
52	MP4A	X	0	1.25
53	MP4A	Z	-5.116	1.25
54	MP4A	Mx	0	1.25
55	MP4A	X	0	2.75
56	MP4A	Z	-5.116	2.75
57	MP4A	Mx	0	2.75
58	MP4B	X	0	1.25
59	MP4B	Z	-2.6	1.25
60	MP4B	Mx	.001	1.25
61	MP4B	X	0	2.75
62	MP4B	Z	-2.6	2.75
63	MP4B	Mx	.001	2.75
64	MP4C	X	0	1.25
65	MP4C	Z	-2.6	1.25
66	MP4C	Mx	-.001	1.25
67	MP4C	X	0	2.75
68	MP4C	Z	-2.6	2.75
69	MP4C	Mx	-.001	2.75
70	MP1A	X	0	1.5
71	MP1A	Z	-8.274	1.5
72	MP1A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP3A	X	0	1.5
74	MP3A	Z	-4.045	1.5
75	MP3A	Mx	0	1.5
76	MP3B	X	0	1.5
77	MP3B	Z	-2.851	1.5
78	MP3B	Mx	-.001	1.5
79	MP3C	X	0	1.5
80	MP3C	Z	-2.851	1.5
81	MP3C	Mx	.001	1.5
82	MP1A	X	0	.25
83	MP1A	Z	-9.879	.25
84	MP1A	Mx	0	.25
85	MP1A	X	0	3.75
86	MP1A	Z	-9.879	3.75
87	MP1A	Mx	0	3.75
88	MP1B	X	0	.25
89	MP1B	Z	-6.539	.25
90	MP1B	Mx	.003	.25
91	MP1B	X	0	3.75
92	MP1B	Z	-6.539	3.75
93	MP1B	Mx	.003	3.75
94	MP1C	X	0	.25
95	MP1C	Z	-6.539	.25
96	MP1C	Mx	-.003	.25
97	MP1C	X	0	3.75
98	MP1C	Z	-6.539	3.75
99	MP1C	Mx	-.003	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.856	2.5
2	MP2A	Z	-3.215	2.5
3	MP2A	Mx	.000928	2.5
4	MP2B	X	1.357	2.5
5	MP2B	Z	-2.351	2.5
6	MP2B	Mx	-.001	2.5
7	MP2C	X	1.856	2.5
8	MP2C	Z	-3.215	2.5
9	MP2C	Mx	.000928	2.5
10	MP2A	X	3.037	1.25
11	MP2A	Z	-5.261	1.25
12	MP2A	Mx	-.005	1.25
13	MP2A	X	3.037	4.75
14	MP2A	Z	-5.261	4.75
15	MP2A	Mx	-.005	4.75
16	MP2B	X	1.52	1.25
17	MP2B	Z	-2.633	1.25
18	MP2B	Mx	.002	1.25
19	MP2B	X	1.52	4.75
20	MP2B	Z	-2.633	4.75
21	MP2B	Mx	.002	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2C	X	3.037	1.25
23	MP2C	Z	-5.261	1.25
24	MP2C	Mx	.002	1.25
25	MP2C	X	3.037	4.75
26	MP2C	Z	-5.261	4.75
27	MP2C	Mx	.002	4.75
28	MP2A	X	3.037	1.25
29	MP2A	Z	-5.261	1.25
30	MP2A	Mx	.002	1.25
31	MP2A	X	3.037	4.75
32	MP2A	Z	-5.261	4.75
33	MP2A	Mx	.002	4.75
34	MP2B	X	1.52	1.25
35	MP2B	Z	-2.633	1.25
36	MP2B	Mx	.002	1.25
37	MP2B	X	1.52	4.75
38	MP2B	Z	-2.633	4.75
39	MP2B	Mx	.002	4.75
40	MP2C	X	3.037	1.25
41	MP2C	Z	-5.261	1.25
42	MP2C	Mx	-.005	1.25
43	MP2C	X	3.037	4.75
44	MP2C	Z	-5.261	4.75
45	MP2C	Mx	-.005	4.75
46	MP2B	X	1.256	5.5
47	MP2B	Z	-2.176	5.5
48	MP2B	Mx	-.003	5.5
49	MP2B	X	1.256	5.5
50	MP2B	Z	-2.176	5.5
51	MP2B	Mx	-.003	5.5
52	MP4A	X	2.139	1.25
53	MP4A	Z	-3.704	1.25
54	MP4A	Mx	-.001	1.25
55	MP4A	X	2.139	2.75
56	MP4A	Z	-3.704	2.75
57	MP4A	Mx	-.001	2.75
58	MP4B	X	.881	1.25
59	MP4B	Z	-1.526	1.25
60	MP4B	Mx	.000881	1.25
61	MP4B	X	.881	2.75
62	MP4B	Z	-1.526	2.75
63	MP4B	Mx	.000881	2.75
64	MP4C	X	2.139	1.25
65	MP4C	Z	-3.704	1.25
66	MP4C	Mx	-.001	1.25
67	MP4C	X	2.139	2.75
68	MP4C	Z	-3.704	2.75
69	MP4C	Mx	-.001	2.75
70	MP1A	X	3.889	1.5
71	MP1A	Z	-6.736	1.5
72	MP1A	Mx	.002	1.5
73	MP3A	X	1.824	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3A	Z	-3.159	1.5
75	MP3A	Mx	.000912	1.5
76	MP3B	X	1.227	1.5
77	MP3B	Z	-2.125	1.5
78	MP3B	Mx	-.001	1.5
79	MP3C	X	1.824	1.5
80	MP3C	Z	-3.159	1.5
81	MP3C	Mx	.000912	1.5
82	MP1A	X	4.383	.25
83	MP1A	Z	-7.591	.25
84	MP1A	Mx	-.002	.25
85	MP1A	X	4.383	3.75
86	MP1A	Z	-7.591	3.75
87	MP1A	Mx	-.002	3.75
88	MP1B	X	2.713	.25
89	MP1B	Z	-4.699	.25
90	MP1B	Mx	.003	.25
91	MP1B	X	2.713	3.75
92	MP1B	Z	-4.699	3.75
93	MP1B	Mx	.003	3.75
94	MP1C	X	4.383	.25
95	MP1C	Z	-7.591	.25
96	MP1C	Mx	-.002	.25
97	MP1C	X	4.383	3.75
98	MP1C	Z	-7.591	3.75
99	MP1C	Mx	-.002	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.639	2.5
2	MP2A	Z	-1.524	2.5
3	MP2A	Mx	.001	2.5
4	MP2B	X	2.639	2.5
5	MP2B	Z	-1.524	2.5
6	MP2B	Mx	-.001	2.5
7	MP2C	X	3.503	2.5
8	MP2C	Z	-2.023	2.5
9	MP2C	Mx	0	2.5
10	MP2A	X	3.509	1.25
11	MP2A	Z	-2.026	1.25
12	MP2A	Mx	-.003	1.25
13	MP2A	X	3.509	4.75
14	MP2A	Z	-2.026	4.75
15	MP2A	Mx	-.003	4.75
16	MP2B	X	3.509	1.25
17	MP2B	Z	-2.026	1.25
18	MP2B	Mx	.000573	1.25
19	MP2B	X	3.509	4.75
20	MP2B	Z	-2.026	4.75
21	MP2B	Mx	.000573	4.75
22	MP2C	X	6.137	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2C	Z	-3.543	1.25
24	MP2C	Mx	.004	1.25
25	MP2C	X	6.137	4.75
26	MP2C	Z	-3.543	4.75
27	MP2C	Mx	.004	4.75
28	MP2A	X	3.509	1.25
29	MP2A	Z	-2.026	1.25
30	MP2A	Mx	-.000573	1.25
31	MP2A	X	3.509	4.75
32	MP2A	Z	-2.026	4.75
33	MP2A	Mx	-.000573	4.75
34	MP2B	X	3.509	1.25
35	MP2B	Z	-2.026	1.25
36	MP2B	Mx	.003	1.25
37	MP2B	X	3.509	4.75
38	MP2B	Z	-2.026	4.75
39	MP2B	Mx	.003	4.75
40	MP2C	X	6.137	1.25
41	MP2C	Z	-3.543	1.25
42	MP2C	Mx	-.004	1.25
43	MP2C	X	6.137	4.75
44	MP2C	Z	-3.543	4.75
45	MP2C	Mx	-.004	4.75
46	MP2B	X	2.175	5.5
47	MP2B	Z	-1.256	5.5
48	MP2B	Mx	-.002	5.5
49	MP2B	X	2.175	5.5
50	MP2B	Z	-1.256	5.5
51	MP2B	Mx	-.003	5.5
52	MP4A	X	2.252	1.25
53	MP4A	Z	-1.3	1.25
54	MP4A	Mx	-.001	1.25
55	MP4A	X	2.252	2.75
56	MP4A	Z	-1.3	2.75
57	MP4A	Mx	-.001	2.75
58	MP4B	X	2.252	1.25
59	MP4B	Z	-1.3	1.25
60	MP4B	Mx	.001	1.25
61	MP4B	X	2.252	2.75
62	MP4B	Z	-1.3	2.75
63	MP4B	Mx	.001	2.75
64	MP4C	X	4.43	1.25
65	MP4C	Z	-2.558	1.25
66	MP4C	Mx	0	1.25
67	MP4C	X	4.43	2.75
68	MP4C	Z	-2.558	2.75
69	MP4C	Mx	0	2.75
70	MP1A	X	5.877	1.5
71	MP1A	Z	-3.393	1.5
72	MP1A	Mx	.003	1.5
73	MP3A	X	2.469	1.5
74	MP3A	Z	-1.426	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	.001	1.5
76	MP3B	X	2.469	1.5
77	MP3B	Z	-1.426	1.5
78	MP3B	Mx	-.001	1.5
79	MP3C	X	3.503	1.5
80	MP3C	Z	-2.023	1.5
81	MP3C	Mx	0	1.5
82	MP1A	X	5.663	.25
83	MP1A	Z	-3.27	.25
84	MP1A	Mx	-.003	.25
85	MP1A	X	5.663	3.75
86	MP1A	Z	-3.27	3.75
87	MP1A	Mx	-.003	3.75
88	MP1B	X	5.663	.25
89	MP1B	Z	-3.27	.25
90	MP1B	Mx	.003	.25
91	MP1B	X	5.663	3.75
92	MP1B	Z	-3.27	3.75
93	MP1B	Mx	.003	3.75
94	MP1C	X	8.555	.25
95	MP1C	Z	-4.939	.25
96	MP1C	Mx	0	.25
97	MP1C	X	8.555	3.75
98	MP1C	Z	-4.939	3.75
99	MP1C	Mx	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.714	2.5
2	MP2A	Z	0	2.5
3	MP2A	Mx	.001	2.5
4	MP2B	X	3.713	2.5
5	MP2B	Z	0	2.5
6	MP2B	Mx	-.000928	2.5
7	MP2C	X	3.713	2.5
8	MP2C	Z	0	2.5
9	MP2C	Mx	-.000928	2.5
10	MP2A	X	3.041	1.25
11	MP2A	Z	0	1.25
12	MP2A	Mx	-.002	1.25
13	MP2A	X	3.041	4.75
14	MP2A	Z	0	4.75
15	MP2A	Mx	-.002	4.75
16	MP2B	X	6.075	1.25
17	MP2B	Z	0	1.25
18	MP2B	Mx	-.002	1.25
19	MP2B	X	6.075	4.75
20	MP2B	Z	0	4.75
21	MP2B	Mx	-.002	4.75
22	MP2C	X	6.075	1.25
23	MP2C	Z	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2C	Mx	.005	1.25
25	MP2C	X	6.075	4.75
26	MP2C	Z	0	4.75
27	MP2C	Mx	.005	4.75
28	MP2A	X	3.041	1.25
29	MP2A	Z	0	1.25
30	MP2A	Mx	-.002	1.25
31	MP2A	X	3.041	4.75
32	MP2A	Z	0	4.75
33	MP2A	Mx	-.002	4.75
34	MP2B	X	6.075	1.25
35	MP2B	Z	0	1.25
36	MP2B	Mx	.005	1.25
37	MP2B	X	6.075	4.75
38	MP2B	Z	0	4.75
39	MP2B	Mx	.005	4.75
40	MP2C	X	6.075	1.25
41	MP2C	Z	0	1.25
42	MP2C	Mx	-.002	1.25
43	MP2C	X	6.075	4.75
44	MP2C	Z	0	4.75
45	MP2C	Mx	-.002	4.75
46	MP2B	X	2.507	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	-.00053	5.5
49	MP2B	X	2.507	5.5
50	MP2B	Z	0	5.5
51	MP2B	Mx	-.002	5.5
52	MP4A	X	1.762	1.25
53	MP4A	Z	0	1.25
54	MP4A	Mx	-.000881	1.25
55	MP4A	X	1.762	2.75
56	MP4A	Z	0	2.75
57	MP4A	Mx	-.000881	2.75
58	MP4B	X	4.277	1.25
59	MP4B	Z	0	1.25
60	MP4B	Mx	.001	1.25
61	MP4B	X	4.277	2.75
62	MP4B	Z	0	2.75
63	MP4B	Mx	.001	2.75
64	MP4C	X	4.277	1.25
65	MP4C	Z	0	1.25
66	MP4C	Mx	.001	1.25
67	MP4C	X	4.277	2.75
68	MP4C	Z	0	2.75
69	MP4C	Mx	.001	2.75
70	MP1A	X	6.29	1.5
71	MP1A	Z	0	1.5
72	MP1A	Mx	.003	1.5
73	MP3A	X	2.453	1.5
74	MP3A	Z	0	1.5
75	MP3A	Mx	.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP3B	X	3.647	1.5
77	MP3B	Z	0	1.5
78	MP3B	Mx	-.000912	1.5
79	MP3C	X	3.647	1.5
80	MP3C	Z	0	1.5
81	MP3C	Mx	-.000912	1.5
82	MP1A	X	5.426	.25
83	MP1A	Z	0	.25
84	MP1A	Mx	-.003	.25
85	MP1A	X	5.426	3.75
86	MP1A	Z	0	3.75
87	MP1A	Mx	-.003	3.75
88	MP1B	X	8.766	.25
89	MP1B	Z	0	.25
90	MP1B	Mx	.002	.25
91	MP1B	X	8.766	3.75
92	MP1B	Z	0	3.75
93	MP1B	Mx	.002	3.75
94	MP1C	X	8.766	.25
95	MP1C	Z	0	.25
96	MP1C	Mx	.002	.25
97	MP1C	X	8.766	3.75
98	MP1C	Z	0	3.75
99	MP1C	Mx	.002	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.639	2.5
2	MP2A	Z	1.524	2.5
3	MP2A	Mx	.001	2.5
4	MP2B	X	3.503	2.5
5	MP2B	Z	2.023	2.5
6	MP2B	Mx	0	2.5
7	MP2C	X	2.639	2.5
8	MP2C	Z	1.524	2.5
9	MP2C	Mx	-.001	2.5
10	MP2A	X	3.509	1.25
11	MP2A	Z	2.026	1.25
12	MP2A	Mx	-.000573	1.25
13	MP2A	X	3.509	4.75
14	MP2A	Z	2.026	4.75
15	MP2A	Mx	-.000573	4.75
16	MP2B	X	6.137	1.25
17	MP2B	Z	3.543	1.25
18	MP2B	Mx	-.004	1.25
19	MP2B	X	6.137	4.75
20	MP2B	Z	3.543	4.75
21	MP2B	Mx	-.004	4.75
22	MP2C	X	3.509	1.25
23	MP2C	Z	2.026	1.25
24	MP2C	Mx	.003	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2C	X	3.509	4.75
26	MP2C	Z	2.026	4.75
27	MP2C	Mx	.003	4.75
28	MP2A	X	3.509	1.25
29	MP2A	Z	2.026	1.25
30	MP2A	Mx	-.003	1.25
31	MP2A	X	3.509	4.75
32	MP2A	Z	2.026	4.75
33	MP2A	Mx	-.003	4.75
34	MP2B	X	6.137	1.25
35	MP2B	Z	3.543	1.25
36	MP2B	Mx	.004	1.25
37	MP2B	X	6.137	4.75
38	MP2B	Z	3.543	4.75
39	MP2B	Mx	.004	4.75
40	MP2C	X	3.509	1.25
41	MP2C	Z	2.026	1.25
42	MP2C	Mx	.000573	1.25
43	MP2C	X	3.509	4.75
44	MP2C	Z	2.026	4.75
45	MP2C	Mx	.000573	4.75
46	MP2B	X	2.17	5.5
47	MP2B	Z	1.253	5.5
48	MP2B	Mx	.000835	5.5
49	MP2B	X	2.17	5.5
50	MP2B	Z	1.253	5.5
51	MP2B	Mx	-.000835	5.5
52	MP4A	X	2.252	1.25
53	MP4A	Z	1.3	1.25
54	MP4A	Mx	-.001	1.25
55	MP4A	X	2.252	2.75
56	MP4A	Z	1.3	2.75
57	MP4A	Mx	-.001	2.75
58	MP4B	X	4.43	1.25
59	MP4B	Z	2.558	1.25
60	MP4B	Mx	0	1.25
61	MP4B	X	4.43	2.75
62	MP4B	Z	2.558	2.75
63	MP4B	Mx	0	2.75
64	MP4C	X	2.252	1.25
65	MP4C	Z	1.3	1.25
66	MP4C	Mx	.001	1.25
67	MP4C	X	2.252	2.75
68	MP4C	Z	1.3	2.75
69	MP4C	Mx	.001	2.75
70	MP1A	X	5.877	1.5
71	MP1A	Z	3.393	1.5
72	MP1A	Mx	.003	1.5
73	MP3A	X	2.469	1.5
74	MP3A	Z	1.426	1.5
75	MP3A	Mx	.001	1.5
76	MP3B	X	3.503	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP3B	Z	2.023	1.5
78	MP3B	Mx	0	1.5
79	MP3C	X	2.469	1.5
80	MP3C	Z	1.426	1.5
81	MP3C	Mx	-.001	1.5
82	MP1A	X	5.663	.25
83	MP1A	Z	3.27	.25
84	MP1A	Mx	-.003	.25
85	MP1A	X	5.663	3.75
86	MP1A	Z	3.27	3.75
87	MP1A	Mx	-.003	3.75
88	MP1B	X	8.555	.25
89	MP1B	Z	4.939	.25
90	MP1B	Mx	0	.25
91	MP1B	X	8.555	3.75
92	MP1B	Z	4.939	3.75
93	MP1B	Mx	0	3.75
94	MP1C	X	5.663	.25
95	MP1C	Z	3.27	.25
96	MP1C	Mx	.003	.25
97	MP1C	X	5.663	3.75
98	MP1C	Z	3.27	3.75
99	MP1C	Mx	.003	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.856	2.5
2	MP2A	Z	3.215	2.5
3	MP2A	Mx	.000928	2.5
4	MP2B	X	1.856	2.5
5	MP2B	Z	3.215	2.5
6	MP2B	Mx	.000928	2.5
7	MP2C	X	1.357	2.5
8	MP2C	Z	2.351	2.5
9	MP2C	Mx	-.001	2.5
10	MP2A	X	3.037	1.25
11	MP2A	Z	5.261	1.25
12	MP2A	Mx	.002	1.25
13	MP2A	X	3.037	4.75
14	MP2A	Z	5.261	4.75
15	MP2A	Mx	.002	4.75
16	MP2B	X	3.037	1.25
17	MP2B	Z	5.261	1.25
18	MP2B	Mx	-.005	1.25
19	MP2B	X	3.037	4.75
20	MP2B	Z	5.261	4.75
21	MP2B	Mx	-.005	4.75
22	MP2C	X	1.52	1.25
23	MP2C	Z	2.633	1.25
24	MP2C	Mx	.002	1.25
25	MP2C	X	1.52	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2C	Z	2.633	4.75
27	MP2C	Mx	.002	4.75
28	MP2A	X	3.037	1.25
29	MP2A	Z	5.261	1.25
30	MP2A	Mx	-.005	1.25
31	MP2A	X	3.037	4.75
32	MP2A	Z	5.261	4.75
33	MP2A	Mx	-.005	4.75
34	MP2B	X	3.037	1.25
35	MP2B	Z	5.261	1.25
36	MP2B	Mx	.002	1.25
37	MP2B	X	3.037	4.75
38	MP2B	Z	5.261	4.75
39	MP2B	Mx	.002	4.75
40	MP2C	X	1.52	1.25
41	MP2C	Z	2.633	1.25
42	MP2C	Mx	.002	1.25
43	MP2C	X	1.52	4.75
44	MP2C	Z	2.633	4.75
45	MP2C	Mx	.002	4.75
46	MP2B	X	1.254	5.5
47	MP2B	Z	2.171	5.5
48	MP2B	Mx	.002	5.5
49	MP2B	X	1.254	5.5
50	MP2B	Z	2.171	5.5
51	MP2B	Mx	.000529	5.5
52	MP4A	X	2.139	1.25
53	MP4A	Z	3.704	1.25
54	MP4A	Mx	-.001	1.25
55	MP4A	X	2.139	2.75
56	MP4A	Z	3.704	2.75
57	MP4A	Mx	-.001	2.75
58	MP4B	X	2.139	1.25
59	MP4B	Z	3.704	1.25
60	MP4B	Mx	-.001	1.25
61	MP4B	X	2.139	2.75
62	MP4B	Z	3.704	2.75
63	MP4B	Mx	-.001	2.75
64	MP4C	X	.881	1.25
65	MP4C	Z	1.526	1.25
66	MP4C	Mx	.000881	1.25
67	MP4C	X	.881	2.75
68	MP4C	Z	1.526	2.75
69	MP4C	Mx	.000881	2.75
70	MP1A	X	3.889	1.5
71	MP1A	Z	6.736	1.5
72	MP1A	Mx	.002	1.5
73	MP3A	X	1.824	1.5
74	MP3A	Z	3.159	1.5
75	MP3A	Mx	.000912	1.5
76	MP3B	X	1.824	1.5
77	MP3B	Z	3.159	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP3B	Mx	.000912	1.5
79	MP3C	X	1.227	1.5
80	MP3C	Z	2.125	1.5
81	MP3C	Mx	-.001	1.5
82	MP1A	X	4.383	.25
83	MP1A	Z	7.591	.25
84	MP1A	Mx	-.002	.25
85	MP1A	X	4.383	3.75
86	MP1A	Z	7.591	3.75
87	MP1A	Mx	-.002	3.75
88	MP1B	X	4.383	.25
89	MP1B	Z	7.591	.25
90	MP1B	Mx	-.002	.25
91	MP1B	X	4.383	3.75
92	MP1B	Z	7.591	3.75
93	MP1B	Mx	-.002	3.75
94	MP1C	X	2.713	.25
95	MP1C	Z	4.699	.25
96	MP1C	Mx	.003	.25
97	MP1C	X	2.713	3.75
98	MP1C	Z	4.699	3.75
99	MP1C	Mx	.003	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.5
2	MP2A	Z	4.045	2.5
3	MP2A	Mx	0	2.5
4	MP2B	X	0	2.5
5	MP2B	Z	3.047	2.5
6	MP2B	Mx	.001	2.5
7	MP2C	X	0	2.5
8	MP2C	Z	3.047	2.5
9	MP2C	Mx	-.001	2.5
10	MP2A	X	0	1.25
11	MP2A	Z	7.086	1.25
12	MP2A	Mx	.004	1.25
13	MP2A	X	0	4.75
14	MP2A	Z	7.086	4.75
15	MP2A	Mx	.004	4.75
16	MP2B	X	0	1.25
17	MP2B	Z	4.052	1.25
18	MP2B	Mx	-.003	1.25
19	MP2B	X	0	4.75
20	MP2B	Z	4.052	4.75
21	MP2B	Mx	-.003	4.75
22	MP2C	X	0	1.25
23	MP2C	Z	4.052	1.25
24	MP2C	Mx	.000573	1.25
25	MP2C	X	0	4.75
26	MP2C	Z	4.052	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2C	Mx	.000573	4.75
28	MP2A	X	0	1.25
29	MP2A	Z	7.086	1.25
30	MP2A	Mx	-.004	1.25
31	MP2A	X	0	4.75
32	MP2A	Z	7.086	4.75
33	MP2A	Mx	-.004	4.75
34	MP2B	X	0	1.25
35	MP2B	Z	4.052	1.25
36	MP2B	Mx	-.000573	1.25
37	MP2B	X	0	4.75
38	MP2B	Z	4.052	4.75
39	MP2B	Mx	-.000573	4.75
40	MP2C	X	0	1.25
41	MP2C	Z	4.052	1.25
42	MP2C	Mx	.003	1.25
43	MP2C	X	0	4.75
44	MP2C	Z	4.052	4.75
45	MP2C	Mx	.003	4.75
46	MP2B	X	0	5.5
47	MP2B	Z	2.511	5.5
48	MP2B	Mx	.003	5.5
49	MP2B	X	0	5.5
50	MP2B	Z	2.511	5.5
51	MP2B	Mx	.002	5.5
52	MP4A	X	0	1.25
53	MP4A	Z	5.116	1.25
54	MP4A	Mx	0	1.25
55	MP4A	X	0	2.75
56	MP4A	Z	5.116	2.75
57	MP4A	Mx	0	2.75
58	MP4B	X	0	1.25
59	MP4B	Z	2.6	1.25
60	MP4B	Mx	-.001	1.25
61	MP4B	X	0	2.75
62	MP4B	Z	2.6	2.75
63	MP4B	Mx	-.001	2.75
64	MP4C	X	0	1.25
65	MP4C	Z	2.6	1.25
66	MP4C	Mx	.001	1.25
67	MP4C	X	0	2.75
68	MP4C	Z	2.6	2.75
69	MP4C	Mx	.001	2.75
70	MP1A	X	0	1.5
71	MP1A	Z	8.274	1.5
72	MP1A	Mx	0	1.5
73	MP3A	X	0	1.5
74	MP3A	Z	4.045	1.5
75	MP3A	Mx	0	1.5
76	MP3B	X	0	1.5
77	MP3B	Z	2.851	1.5
78	MP3B	Mx	.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP3C	X	0	1.5
80	MP3C	Z	2.851	1.5
81	MP3C	Mx	-.001	1.5
82	MP1A	X	0	.25
83	MP1A	Z	9.879	.25
84	MP1A	Mx	0	.25
85	MP1A	X	0	3.75
86	MP1A	Z	9.879	3.75
87	MP1A	Mx	0	3.75
88	MP1B	X	0	.25
89	MP1B	Z	6.539	.25
90	MP1B	Mx	-.003	.25
91	MP1B	X	0	3.75
92	MP1B	Z	6.539	3.75
93	MP1B	Mx	-.003	3.75
94	MP1C	X	0	.25
95	MP1C	Z	6.539	.25
96	MP1C	Mx	.003	.25
97	MP1C	X	0	3.75
98	MP1C	Z	6.539	3.75
99	MP1C	Mx	.003	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.856	2.5
2	MP2A	Z	3.215	2.5
3	MP2A	Mx	-.000928	2.5
4	MP2B	X	-1.357	2.5
5	MP2B	Z	2.351	2.5
6	MP2B	Mx	.001	2.5
7	MP2C	X	-1.856	2.5
8	MP2C	Z	3.215	2.5
9	MP2C	Mx	-.000928	2.5
10	MP2A	X	-3.037	1.25
11	MP2A	Z	5.261	1.25
12	MP2A	Mx	.005	1.25
13	MP2A	X	-3.037	4.75
14	MP2A	Z	5.261	4.75
15	MP2A	Mx	.005	4.75
16	MP2B	X	-1.52	1.25
17	MP2B	Z	2.633	1.25
18	MP2B	Mx	-.002	1.25
19	MP2B	X	-1.52	4.75
20	MP2B	Z	2.633	4.75
21	MP2B	Mx	-.002	4.75
22	MP2C	X	-3.037	1.25
23	MP2C	Z	5.261	1.25
24	MP2C	Mx	-.002	1.25
25	MP2C	X	-3.037	4.75
26	MP2C	Z	5.261	4.75
27	MP2C	Mx	-.002	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2A	X	-3.037	1.25
29	MP2A	Z	5.261	1.25
30	MP2A	Mx	-.002	1.25
31	MP2A	X	-3.037	4.75
32	MP2A	Z	5.261	4.75
33	MP2A	Mx	-.002	4.75
34	MP2B	X	-1.52	1.25
35	MP2B	Z	2.633	1.25
36	MP2B	Mx	-.002	1.25
37	MP2B	X	-1.52	4.75
38	MP2B	Z	2.633	4.75
39	MP2B	Mx	-.002	4.75
40	MP2C	X	-3.037	1.25
41	MP2C	Z	5.261	1.25
42	MP2C	Mx	.005	1.25
43	MP2C	X	-3.037	4.75
44	MP2C	Z	5.261	4.75
45	MP2C	Mx	.005	4.75
46	MP2B	X	-1.256	5.5
47	MP2B	Z	2.176	5.5
48	MP2B	Mx	.003	5.5
49	MP2B	X	-1.256	5.5
50	MP2B	Z	2.176	5.5
51	MP2B	Mx	.003	5.5
52	MP4A	X	-2.139	1.25
53	MP4A	Z	3.704	1.25
54	MP4A	Mx	.001	1.25
55	MP4A	X	-2.139	2.75
56	MP4A	Z	3.704	2.75
57	MP4A	Mx	.001	2.75
58	MP4B	X	-.881	1.25
59	MP4B	Z	1.526	1.25
60	MP4B	Mx	-.000881	1.25
61	MP4B	X	-.881	2.75
62	MP4B	Z	1.526	2.75
63	MP4B	Mx	-.000881	2.75
64	MP4C	X	-2.139	1.25
65	MP4C	Z	3.704	1.25
66	MP4C	Mx	.001	1.25
67	MP4C	X	-2.139	2.75
68	MP4C	Z	3.704	2.75
69	MP4C	Mx	.001	2.75
70	MP1A	X	-3.889	1.5
71	MP1A	Z	6.736	1.5
72	MP1A	Mx	-.002	1.5
73	MP3A	X	-1.824	1.5
74	MP3A	Z	3.159	1.5
75	MP3A	Mx	-.000912	1.5
76	MP3B	X	-1.227	1.5
77	MP3B	Z	2.125	1.5
78	MP3B	Mx	.001	1.5
79	MP3C	X	-1.824	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3C	Z	3.159	1.5
81	MP3C	Mx	-.000912	1.5
82	MP1A	X	-4.383	.25
83	MP1A	Z	7.591	.25
84	MP1A	Mx	.002	.25
85	MP1A	X	-4.383	3.75
86	MP1A	Z	7.591	3.75
87	MP1A	Mx	.002	3.75
88	MP1B	X	-2.713	.25
89	MP1B	Z	4.699	.25
90	MP1B	Mx	-.003	.25
91	MP1B	X	-2.713	3.75
92	MP1B	Z	4.699	3.75
93	MP1B	Mx	-.003	3.75
94	MP1C	X	-4.383	.25
95	MP1C	Z	7.591	.25
96	MP1C	Mx	.002	.25
97	MP1C	X	-4.383	3.75
98	MP1C	Z	7.591	3.75
99	MP1C	Mx	.002	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.639	2.5
2	MP2A	Z	1.524	2.5
3	MP2A	Mx	-.001	2.5
4	MP2B	X	-2.639	2.5
5	MP2B	Z	1.524	2.5
6	MP2B	Mx	.001	2.5
7	MP2C	X	-3.503	2.5
8	MP2C	Z	2.023	2.5
9	MP2C	Mx	0	2.5
10	MP2A	X	-3.509	1.25
11	MP2A	Z	2.026	1.25
12	MP2A	Mx	.003	1.25
13	MP2A	X	-3.509	4.75
14	MP2A	Z	2.026	4.75
15	MP2A	Mx	.003	4.75
16	MP2B	X	-3.509	1.25
17	MP2B	Z	2.026	1.25
18	MP2B	Mx	-.000573	1.25
19	MP2B	X	-3.509	4.75
20	MP2B	Z	2.026	4.75
21	MP2B	Mx	-.000573	4.75
22	MP2C	X	-6.137	1.25
23	MP2C	Z	3.543	1.25
24	MP2C	Mx	-.004	1.25
25	MP2C	X	-6.137	4.75
26	MP2C	Z	3.543	4.75
27	MP2C	Mx	-.004	4.75
28	MP2A	X	-3.509	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2A	Z	2.026	1.25
30	MP2A	Mx	.000573	1.25
31	MP2A	X	-3.509	4.75
32	MP2A	Z	2.026	4.75
33	MP2A	Mx	.000573	4.75
34	MP2B	X	-3.509	1.25
35	MP2B	Z	2.026	1.25
36	MP2B	Mx	-.003	1.25
37	MP2B	X	-3.509	4.75
38	MP2B	Z	2.026	4.75
39	MP2B	Mx	-.003	4.75
40	MP2C	X	-6.137	1.25
41	MP2C	Z	3.543	1.25
42	MP2C	Mx	.004	1.25
43	MP2C	X	-6.137	4.75
44	MP2C	Z	3.543	4.75
45	MP2C	Mx	.004	4.75
46	MP2B	X	-2.175	5.5
47	MP2B	Z	1.256	5.5
48	MP2B	Mx	.002	5.5
49	MP2B	X	-2.175	5.5
50	MP2B	Z	1.256	5.5
51	MP2B	Mx	.003	5.5
52	MP4A	X	-2.252	1.25
53	MP4A	Z	1.3	1.25
54	MP4A	Mx	.001	1.25
55	MP4A	X	-2.252	2.75
56	MP4A	Z	1.3	2.75
57	MP4A	Mx	.001	2.75
58	MP4B	X	-2.252	1.25
59	MP4B	Z	1.3	1.25
60	MP4B	Mx	-.001	1.25
61	MP4B	X	-2.252	2.75
62	MP4B	Z	1.3	2.75
63	MP4B	Mx	-.001	2.75
64	MP4C	X	-4.43	1.25
65	MP4C	Z	2.558	1.25
66	MP4C	Mx	0	1.25
67	MP4C	X	-4.43	2.75
68	MP4C	Z	2.558	2.75
69	MP4C	Mx	0	2.75
70	MP1A	X	-5.877	1.5
71	MP1A	Z	3.393	1.5
72	MP1A	Mx	-.003	1.5
73	MP3A	X	-2.469	1.5
74	MP3A	Z	1.426	1.5
75	MP3A	Mx	-.001	1.5
76	MP3B	X	-2.469	1.5
77	MP3B	Z	1.426	1.5
78	MP3B	Mx	.001	1.5
79	MP3C	X	-3.503	1.5
80	MP3C	Z	2.023	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP3C	Mx	0	1.5
82	MP1A	X	-5.663	.25
83	MP1A	Z	3.27	.25
84	MP1A	Mx	.003	.25
85	MP1A	X	-5.663	3.75
86	MP1A	Z	3.27	3.75
87	MP1A	Mx	.003	3.75
88	MP1B	X	-5.663	.25
89	MP1B	Z	3.27	.25
90	MP1B	Mx	-.003	.25
91	MP1B	X	-5.663	3.75
92	MP1B	Z	3.27	3.75
93	MP1B	Mx	-.003	3.75
94	MP1C	X	-8.555	.25
95	MP1C	Z	4.939	.25
96	MP1C	Mx	0	.25
97	MP1C	X	-8.555	3.75
98	MP1C	Z	4.939	3.75
99	MP1C	Mx	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.714	2.5
2	MP2A	Z	0	2.5
3	MP2A	Mx	-.001	2.5
4	MP2B	X	-3.713	2.5
5	MP2B	Z	0	2.5
6	MP2B	Mx	.000928	2.5
7	MP2C	X	-3.713	2.5
8	MP2C	Z	0	2.5
9	MP2C	Mx	.000928	2.5
10	MP2A	X	-3.041	1.25
11	MP2A	Z	0	1.25
12	MP2A	Mx	.002	1.25
13	MP2A	X	-3.041	4.75
14	MP2A	Z	0	4.75
15	MP2A	Mx	.002	4.75
16	MP2B	X	-6.075	1.25
17	MP2B	Z	0	1.25
18	MP2B	Mx	.002	1.25
19	MP2B	X	-6.075	4.75
20	MP2B	Z	0	4.75
21	MP2B	Mx	.002	4.75
22	MP2C	X	-6.075	1.25
23	MP2C	Z	0	1.25
24	MP2C	Mx	-.005	1.25
25	MP2C	X	-6.075	4.75
26	MP2C	Z	0	4.75
27	MP2C	Mx	-.005	4.75
28	MP2A	X	-3.041	1.25
29	MP2A	Z	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2A	Mx	.002	1.25
31	MP2A	X	-3.041	4.75
32	MP2A	Z	0	4.75
33	MP2A	Mx	.002	4.75
34	MP2B	X	-6.075	1.25
35	MP2B	Z	0	1.25
36	MP2B	Mx	-.005	1.25
37	MP2B	X	-6.075	4.75
38	MP2B	Z	0	4.75
39	MP2B	Mx	-.005	4.75
40	MP2C	X	-6.075	1.25
41	MP2C	Z	0	1.25
42	MP2C	Mx	.002	1.25
43	MP2C	X	-6.075	4.75
44	MP2C	Z	0	4.75
45	MP2C	Mx	.002	4.75
46	MP2B	X	-2.507	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.00053	5.5
49	MP2B	X	-2.507	5.5
50	MP2B	Z	0	5.5
51	MP2B	Mx	.002	5.5
52	MP4A	X	-1.762	1.25
53	MP4A	Z	0	1.25
54	MP4A	Mx	.000881	1.25
55	MP4A	X	-1.762	2.75
56	MP4A	Z	0	2.75
57	MP4A	Mx	.000881	2.75
58	MP4B	X	-4.277	1.25
59	MP4B	Z	0	1.25
60	MP4B	Mx	-.001	1.25
61	MP4B	X	-4.277	2.75
62	MP4B	Z	0	2.75
63	MP4B	Mx	-.001	2.75
64	MP4C	X	-4.277	1.25
65	MP4C	Z	0	1.25
66	MP4C	Mx	-.001	1.25
67	MP4C	X	-4.277	2.75
68	MP4C	Z	0	2.75
69	MP4C	Mx	-.001	2.75
70	MP1A	X	-6.29	1.5
71	MP1A	Z	0	1.5
72	MP1A	Mx	-.003	1.5
73	MP3A	X	-2.453	1.5
74	MP3A	Z	0	1.5
75	MP3A	Mx	-.001	1.5
76	MP3B	X	-3.647	1.5
77	MP3B	Z	0	1.5
78	MP3B	Mx	.000912	1.5
79	MP3C	X	-3.647	1.5
80	MP3C	Z	0	1.5
81	MP3C	Mx	.000912	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1A	X	-5.426	.25
83	MP1A	Z	0	.25
84	MP1A	Mx	.003	.25
85	MP1A	X	-5.426	3.75
86	MP1A	Z	0	3.75
87	MP1A	Mx	.003	3.75
88	MP1B	X	-8.766	.25
89	MP1B	Z	0	.25
90	MP1B	Mx	-.002	.25
91	MP1B	X	-8.766	3.75
92	MP1B	Z	0	3.75
93	MP1B	Mx	-.002	3.75
94	MP1C	X	-8.766	.25
95	MP1C	Z	0	.25
96	MP1C	Mx	-.002	.25
97	MP1C	X	-8.766	3.75
98	MP1C	Z	0	3.75
99	MP1C	Mx	-.002	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.639	2.5
2	MP2A	Z	-1.524	2.5
3	MP2A	Mx	-.001	2.5
4	MP2B	X	-3.503	2.5
5	MP2B	Z	-2.023	2.5
6	MP2B	Mx	0	2.5
7	MP2C	X	-2.639	2.5
8	MP2C	Z	-1.524	2.5
9	MP2C	Mx	.001	2.5
10	MP2A	X	-3.509	1.25
11	MP2A	Z	-2.026	1.25
12	MP2A	Mx	.000573	1.25
13	MP2A	X	-3.509	4.75
14	MP2A	Z	-2.026	4.75
15	MP2A	Mx	.000573	4.75
16	MP2B	X	-6.137	1.25
17	MP2B	Z	-3.543	1.25
18	MP2B	Mx	.004	1.25
19	MP2B	X	-6.137	4.75
20	MP2B	Z	-3.543	4.75
21	MP2B	Mx	.004	4.75
22	MP2C	X	-3.509	1.25
23	MP2C	Z	-2.026	1.25
24	MP2C	Mx	-.003	1.25
25	MP2C	X	-3.509	4.75
26	MP2C	Z	-2.026	4.75
27	MP2C	Mx	-.003	4.75
28	MP2A	X	-3.509	1.25
29	MP2A	Z	-2.026	1.25
30	MP2A	Mx	.003	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2A	X	-3.509	4.75
32	MP2A	Z	-2.026	4.75
33	MP2A	Mx	.003	4.75
34	MP2B	X	-6.137	1.25
35	MP2B	Z	-3.543	1.25
36	MP2B	Mx	-.004	1.25
37	MP2B	X	-6.137	4.75
38	MP2B	Z	-3.543	4.75
39	MP2B	Mx	-.004	4.75
40	MP2C	X	-3.509	1.25
41	MP2C	Z	-2.026	1.25
42	MP2C	Mx	-.000573	1.25
43	MP2C	X	-3.509	4.75
44	MP2C	Z	-2.026	4.75
45	MP2C	Mx	-.000573	4.75
46	MP2B	X	-2.17	5.5
47	MP2B	Z	-1.253	5.5
48	MP2B	Mx	-.000835	5.5
49	MP2B	X	-2.17	5.5
50	MP2B	Z	-1.253	5.5
51	MP2B	Mx	.000835	5.5
52	MP4A	X	-2.252	1.25
53	MP4A	Z	-1.3	1.25
54	MP4A	Mx	.001	1.25
55	MP4A	X	-2.252	2.75
56	MP4A	Z	-1.3	2.75
57	MP4A	Mx	.001	2.75
58	MP4B	X	-4.43	1.25
59	MP4B	Z	-2.558	1.25
60	MP4B	Mx	0	1.25
61	MP4B	X	-4.43	2.75
62	MP4B	Z	-2.558	2.75
63	MP4B	Mx	0	2.75
64	MP4C	X	-2.252	1.25
65	MP4C	Z	-1.3	1.25
66	MP4C	Mx	-.001	1.25
67	MP4C	X	-2.252	2.75
68	MP4C	Z	-1.3	2.75
69	MP4C	Mx	-.001	2.75
70	MP1A	X	-5.877	1.5
71	MP1A	Z	-3.393	1.5
72	MP1A	Mx	-.003	1.5
73	MP3A	X	-2.469	1.5
74	MP3A	Z	-1.426	1.5
75	MP3A	Mx	-.001	1.5
76	MP3B	X	-3.503	1.5
77	MP3B	Z	-2.023	1.5
78	MP3B	Mx	0	1.5
79	MP3C	X	-2.469	1.5
80	MP3C	Z	-1.426	1.5
81	MP3C	Mx	.001	1.5
82	MP1A	X	-5.663	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1A	Z	-3.27	.25
84	MP1A	Mx	.003	.25
85	MP1A	X	-5.663	3.75
86	MP1A	Z	-3.27	3.75
87	MP1A	Mx	.003	3.75
88	MP1B	X	-8.555	.25
89	MP1B	Z	-4.939	.25
90	MP1B	Mx	0	.25
91	MP1B	X	-8.555	3.75
92	MP1B	Z	-4.939	3.75
93	MP1B	Mx	0	3.75
94	MP1C	X	-5.663	.25
95	MP1C	Z	-3.27	.25
96	MP1C	Mx	-.003	.25
97	MP1C	X	-5.663	3.75
98	MP1C	Z	-3.27	3.75
99	MP1C	Mx	-.003	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.856	2.5
2	MP2A	Z	-3.215	2.5
3	MP2A	Mx	-.000928	2.5
4	MP2B	X	-1.856	2.5
5	MP2B	Z	-3.215	2.5
6	MP2B	Mx	-.000928	2.5
7	MP2C	X	-1.357	2.5
8	MP2C	Z	-2.351	2.5
9	MP2C	Mx	.001	2.5
10	MP2A	X	-3.037	1.25
11	MP2A	Z	-5.261	1.25
12	MP2A	Mx	-.002	1.25
13	MP2A	X	-3.037	4.75
14	MP2A	Z	-5.261	4.75
15	MP2A	Mx	-.002	4.75
16	MP2B	X	-3.037	1.25
17	MP2B	Z	-5.261	1.25
18	MP2B	Mx	.005	1.25
19	MP2B	X	-3.037	4.75
20	MP2B	Z	-5.261	4.75
21	MP2B	Mx	.005	4.75
22	MP2C	X	-1.52	1.25
23	MP2C	Z	-2.633	1.25
24	MP2C	Mx	-.002	1.25
25	MP2C	X	-1.52	4.75
26	MP2C	Z	-2.633	4.75
27	MP2C	Mx	-.002	4.75
28	MP2A	X	-3.037	1.25
29	MP2A	Z	-5.261	1.25
30	MP2A	Mx	.005	1.25
31	MP2A	X	-3.037	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2A	Z	-5.261	4.75
33	MP2A	Mx	.005	4.75
34	MP2B	X	-3.037	1.25
35	MP2B	Z	-5.261	1.25
36	MP2B	Mx	-.002	1.25
37	MP2B	X	-3.037	4.75
38	MP2B	Z	-5.261	4.75
39	MP2B	Mx	-.002	4.75
40	MP2C	X	-1.52	1.25
41	MP2C	Z	-2.633	1.25
42	MP2C	Mx	-.002	1.25
43	MP2C	X	-1.52	4.75
44	MP2C	Z	-2.633	4.75
45	MP2C	Mx	-.002	4.75
46	MP2B	X	-1.254	5.5
47	MP2B	Z	-2.171	5.5
48	MP2B	Mx	-.002	5.5
49	MP2B	X	-1.254	5.5
50	MP2B	Z	-2.171	5.5
51	MP2B	Mx	-.000529	5.5
52	MP4A	X	-2.139	1.25
53	MP4A	Z	-3.704	1.25
54	MP4A	Mx	.001	1.25
55	MP4A	X	-2.139	2.75
56	MP4A	Z	-3.704	2.75
57	MP4A	Mx	.001	2.75
58	MP4B	X	-2.139	1.25
59	MP4B	Z	-3.704	1.25
60	MP4B	Mx	.001	1.25
61	MP4B	X	-2.139	2.75
62	MP4B	Z	-3.704	2.75
63	MP4B	Mx	.001	2.75
64	MP4C	X	-.881	1.25
65	MP4C	Z	-1.526	1.25
66	MP4C	Mx	-.000881	1.25
67	MP4C	X	-.881	2.75
68	MP4C	Z	-1.526	2.75
69	MP4C	Mx	-.000881	2.75
70	MP1A	X	-3.889	1.5
71	MP1A	Z	-6.736	1.5
72	MP1A	Mx	-.002	1.5
73	MP3A	X	-1.824	1.5
74	MP3A	Z	-3.159	1.5
75	MP3A	Mx	-.000912	1.5
76	MP3B	X	-1.824	1.5
77	MP3B	Z	-3.159	1.5
78	MP3B	Mx	-.000912	1.5
79	MP3C	X	-1.227	1.5
80	MP3C	Z	-2.125	1.5
81	MP3C	Mx	.001	1.5
82	MP1A	X	-4.383	.25
83	MP1A	Z	-7.591	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1A	Mx	.002	.25
85	MP1A	X	-4.383	3.75
86	MP1A	Z	-7.591	3.75
87	MP1A	Mx	.002	3.75
88	MP1B	X	-4.383	.25
89	MP1B	Z	-7.591	.25
90	MP1B	Mx	.002	.25
91	MP1B	X	-4.383	3.75
92	MP1B	Z	-7.591	3.75
93	MP1B	Mx	.002	3.75
94	MP1C	X	-2.713	.25
95	MP1C	Z	-4.699	.25
96	MP1C	Mx	-.003	.25
97	MP1C	X	-2.713	3.75
98	MP1C	Z	-4.699	3.75
99	MP1C	Mx	-.003	3.75

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%96

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%39

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-3.155	2.5
2	MP2A	My	.002	2.5
3	MP2A	Mz	0	2.5
4	MP2B	Y	-3.155	2.5
5	MP2B	My	-.000789	2.5
6	MP2B	Mz	.001	2.5
7	MP2C	Y	-3.155	2.5
8	MP2C	My	-.000789	2.5
9	MP2C	Mz	-.001	2.5
10	MP2A	Y	-.923	1.25
11	MP2A	My	-.000461	1.25
12	MP2A	Mz	.000538	1.25
13	MP2A	Y	-.923	4.75
14	MP2A	My	-.000461	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2A	Mz	.000538	4.75
16	MP2B	Y	-.923	1.25
17	MP2B	My	-.000236	1.25
18	MP2B	Mz	-.000669	1.25
19	MP2B	Y	-.923	4.75
20	MP2B	My	-.000236	4.75
21	MP2B	Mz	-.000669	4.75
22	MP2C	Y	-.923	1.25
23	MP2C	My	.000697	1.25
24	MP2C	Mz	.00013	1.25
25	MP2C	Y	-.923	4.75
26	MP2C	My	.000697	4.75
27	MP2C	Mz	.00013	4.75
28	MP2A	Y	-.923	1.25
29	MP2A	My	-.000461	1.25
30	MP2A	Mz	-.000538	1.25
31	MP2A	Y	-.923	4.75
32	MP2A	My	-.000461	4.75
33	MP2A	Mz	-.000538	4.75
34	MP2B	Y	-.923	1.25
35	MP2B	My	.000697	1.25
36	MP2B	Mz	-.00013	1.25
37	MP2B	Y	-.923	4.75
38	MP2B	My	.000697	4.75
39	MP2B	Mz	-.00013	4.75
40	MP2C	Y	-.923	1.25
41	MP2C	My	-.000236	1.25
42	MP2C	Mz	.000669	1.25
43	MP2C	Y	-.923	4.75
44	MP2C	My	-.000236	4.75
45	MP2C	Mz	.000669	4.75
46	MP2B	Y	-.743	5.5
47	MP2B	My	-.000157	5.5
48	MP2B	Mz	.000768	5.5
49	MP2B	Y	-.743	5.5
50	MP2B	My	-.000586	5.5
51	MP2B	Mz	.00052	5.5
52	MP4A	Y	-1.84	1.25
53	MP4A	My	-.00092	1.25
54	MP4A	Mz	0	1.25
55	MP4A	Y	-1.84	2.75
56	MP4A	My	-.00092	2.75
57	MP4A	Mz	0	2.75
58	MP4B	Y	-1.84	1.25
59	MP4B	My	.00046	1.25
60	MP4B	Mz	-.000797	1.25
61	MP4B	Y	-1.84	2.75
62	MP4B	My	.00046	2.75
63	MP4B	Mz	-.000797	2.75
64	MP4C	Y	-1.84	1.25
65	MP4C	My	.00046	1.25
66	MP4C	Mz	.000797	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP4C	Y	-1.84	2.75
68	MP4C	My	.00046	2.75
69	MP4C	Mz	.000797	2.75
70	MP1A	Y	-1.352	1.5
71	MP1A	My	.000676	1.5
72	MP1A	Mz	0	1.5
73	MP3A	Y	-2.969	1.5
74	MP3A	My	.001	1.5
75	MP3A	Mz	0	1.5
76	MP3B	Y	-2.969	1.5
77	MP3B	My	-.000742	1.5
78	MP3B	Mz	.001	1.5
79	MP3C	Y	-2.969	1.5
80	MP3C	My	-.000742	1.5
81	MP3C	Mz	-.001	1.5
82	MP1A	Y	-.359	.25
83	MP1A	My	-.00018	.25
84	MP1A	Mz	0	.25
85	MP1A	Y	-.359	3.75
86	MP1A	My	-.00018	3.75
87	MP1A	Mz	0	3.75
88	MP1B	Y	-.359	.25
89	MP1B	My	9e-5	.25
90	MP1B	Mz	-.000155	.25
91	MP1B	Y	-.359	3.75
92	MP1B	My	9e-5	3.75
93	MP1B	Mz	-.000155	3.75
94	MP1C	Y	-.359	.25
95	MP1C	My	9e-5	.25
96	MP1C	Mz	.000155	.25
97	MP1C	Y	-.359	3.75
98	MP1C	My	9e-5	3.75
99	MP1C	Mz	.000155	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-7.888	2.5
2	MP2A	Mx	0	2.5
3	MP2B	Z	-7.888	2.5
4	MP2B	Mx	-.003	2.5
5	MP2C	Z	-7.888	2.5
6	MP2C	Mx	.003	2.5
7	MP2A	Z	-2.307	1.25
8	MP2A	Mx	-.001	1.25
9	MP2A	Z	-2.307	4.75
10	MP2A	Mx	-.001	4.75
11	MP2B	Z	-2.307	1.25
12	MP2B	Mx	.002	1.25
13	MP2B	Z	-2.307	4.75
14	MP2B	Mx	.002	4.75
15	MP2C	Z	-2.307	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2C	Mx	-.000326	1.25
17	MP2C	Z	-2.307	4.75
18	MP2C	Mx	-.000326	4.75
19	MP2A	Z	-2.307	1.25
20	MP2A	Mx	.001	1.25
21	MP2A	Z	-2.307	4.75
22	MP2A	Mx	.001	4.75
23	MP2B	Z	-2.307	1.25
24	MP2B	Mx	.000326	1.25
25	MP2B	Z	-2.307	4.75
26	MP2B	Mx	.000326	4.75
27	MP2C	Z	-2.307	1.25
28	MP2C	Mx	-.002	1.25
29	MP2C	Z	-2.307	4.75
30	MP2C	Mx	-.002	4.75
31	MP2B	Z	-1.859	5.5
32	MP2B	Mx	-.002	5.5
33	MP2B	Z	-1.859	5.5
34	MP2B	Mx	-.001	5.5
35	MP4A	Z	-4.599	1.25
36	MP4A	Mx	0	1.25
37	MP4A	Z	-4.599	2.75
38	MP4A	Mx	0	2.75
39	MP4B	Z	-4.599	1.25
40	MP4B	Mx	.002	1.25
41	MP4B	Z	-4.599	2.75
42	MP4B	Mx	.002	2.75
43	MP4C	Z	-4.599	1.25
44	MP4C	Mx	-.002	1.25
45	MP4C	Z	-4.599	2.75
46	MP4C	Mx	-.002	2.75
47	MP1A	Z	-3.379	1.5
48	MP1A	Mx	0	1.5
49	MP3A	Z	-7.424	1.5
50	MP3A	Mx	0	1.5
51	MP3B	Z	-7.424	1.5
52	MP3B	Mx	-.003	1.5
53	MP3C	Z	-7.424	1.5
54	MP3C	Mx	.003	1.5
55	MP1A	Z	-.898	.25
56	MP1A	Mx	0	.25
57	MP1A	Z	-.898	3.75
58	MP1A	Mx	0	3.75
59	MP1B	Z	-.898	.25
60	MP1B	Mx	.000389	.25
61	MP1B	Z	-.898	3.75
62	MP1B	Mx	.000389	3.75
63	MP1C	Z	-.898	.25
64	MP1C	Mx	-.000389	.25
65	MP1C	Z	-.898	3.75
66	MP1C	Mx	-.000389	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.888	2.5
2	MP2A	Mx	.004	2.5
3	MP2B	X	7.888	2.5
4	MP2B	Mx	-.002	2.5
5	MP2C	X	7.888	2.5
6	MP2C	Mx	-.002	2.5
7	MP2A	X	2.307	1.25
8	MP2A	Mx	-.001	1.25
9	MP2A	X	2.307	4.75
10	MP2A	Mx	-.001	4.75
11	MP2B	X	2.307	1.25
12	MP2B	Mx	-.000589	1.25
13	MP2B	X	2.307	4.75
14	MP2B	Mx	-.000589	4.75
15	MP2C	X	2.307	1.25
16	MP2C	Mx	.002	1.25
17	MP2C	X	2.307	4.75
18	MP2C	Mx	.002	4.75
19	MP2A	X	2.307	1.25
20	MP2A	Mx	-.001	1.25
21	MP2A	X	2.307	4.75
22	MP2A	Mx	-.001	4.75
23	MP2B	X	2.307	1.25
24	MP2B	Mx	.002	1.25
25	MP2B	X	2.307	4.75
26	MP2B	Mx	.002	4.75
27	MP2C	X	2.307	1.25
28	MP2C	Mx	-.000589	1.25
29	MP2C	X	2.307	4.75
30	MP2C	Mx	-.000589	4.75
31	MP2B	X	1.859	5.5
32	MP2B	Mx	-.000393	5.5
33	MP2B	X	1.859	5.5
34	MP2B	Mx	-.001	5.5
35	MP4A	X	4.599	1.25
36	MP4A	Mx	-.002	1.25
37	MP4A	X	4.599	2.75
38	MP4A	Mx	-.002	2.75
39	MP4B	X	4.599	1.25
40	MP4B	Mx	.001	1.25
41	MP4B	X	4.599	2.75
42	MP4B	Mx	.001	2.75
43	MP4C	X	4.599	1.25
44	MP4C	Mx	.001	1.25
45	MP4C	X	4.599	2.75
46	MP4C	Mx	.001	2.75
47	MP1A	X	3.379	1.5
48	MP1A	Mx	.002	1.5
49	MP3A	X	7.424	1.5
50	MP3A	Mx	.004	1.5
51	MP3B	X	7.424	1.5
52	MP3B	Mx	-.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	X	7.424	1.5
54	MP3C	Mx	-.002	1.5
55	MP1A	X	.898	.25
56	MP1A	Mx	-.000449	.25
57	MP1A	X	.898	3.75
58	MP1A	Mx	-.000449	3.75
59	MP1B	X	.898	.25
60	MP1B	Mx	.000224	.25
61	MP1B	X	.898	3.75
62	MP1B	Mx	.000224	3.75
63	MP1C	X	.898	.25
64	MP1C	Mx	.000224	.25
65	MP1C	X	.898	3.75
66	MP1C	Mx	.000224	3.75

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	M1	Y	-7.59	-7.59	0	%100
2	M2	Y	-7.59	-7.59	0	%100
3	M3	Y	-7.59	-7.59	0	%100
4	M4	Y	-11.57	-11.57	0	%100
5	M5	Y	-11.57	-11.57	0	%100
6	M6	Y	-11.57	-11.57	0	%100
7	M7	Y	-7.59	-7.59	0	%100
8	M8	Y	-7.59	-7.59	0	%100
9	M9	Y	-7.59	-7.59	0	%100
10	M10	Y	-7.59	-7.59	0	%100
11	M11	Y	-7.59	-7.59	0	%100
12	M12	Y	-7.59	-7.59	0	%100
13	M16	Y	-5.6	-5.6	0	%100
14	MP1A	Y	-4.962	-4.962	0	%100
15	MP3A	Y	-4.962	-4.962	0	%100
16	MP4A	Y	-4.962	-4.962	0	%100
17	MP2A	Y	-4.962	-4.962	0	%100
18	MP1C	Y	-4.962	-4.962	0	%100
19	MP3C	Y	-4.962	-4.962	0	%100
20	MP4C	Y	-4.962	-4.962	0	%100
21	MP2C	Y	-4.962	-4.962	0	%100
22	MP1B	Y	-4.962	-4.962	0	%100
23	MP3B	Y	-4.962	-4.962	0	%100
24	MP4B	Y	-4.962	-4.962	0	%100
25	MP2B	Y	-4.962	-4.962	0	%100
26	M60	Y	-5.666	-5.666	0	%100
27	M61	Y	-5.666	-5.666	0	%100
28	M62	Y	-5.666	-5.666	0	%100
29	M81	Y	-7.59	-7.59	0	%100
30	M82	Y	-7.59	-7.59	0	%100
31	M83	Y	-7.59	-7.59	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	M1	X	0	0	0	%100
2	M1	Z	-22.656	-22.656	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-5.664	-5.664	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-5.664	-5.664	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-8.238	-8.238	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-3.435	-3.435	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-22.311	-22.311	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-2.798	-2.798	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-2.852	-2.852	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-11.37	-11.37	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-2.887	-2.887	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-2.833	-2.833	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-11.37	-11.37	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	-2.694	-2.694	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	-10.762	-10.762	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	Z	-10.762	-10.762	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	-10.762	-10.762	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-10.762	-10.762	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	-10.762	-10.762	0	%100
37	MP3C	X	0	0	0	%100
38	MP3C	Z	-10.762	-10.762	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	-10.762	-10.762	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-10.762	-10.762	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-10.762	-10.762	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	-10.762	-10.762	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	-10.762	-10.762	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	-10.762	-10.762	0	%100
51	M60	X	0	0	0	%100
52	M60	Z	-13.027	-13.027	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,%]
53	M61	X	0	0	0	%100
54	M61	Z	-3.257	-3.257	0	%100
55	M62	X	0	0	0	%100
56	M62	Z	-3.257	-3.257	0	%100
57	M81	X	0	0	0	%100
58	M81	Z	-4.223	-4.223	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	-3.881	-3.881	0	%100
61	M83	X	0	0	0	%100
62	M83	Z	-16.201	-16.201	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	M1	X	8.496	8.496	0	%100
2	M1	Z	-14.716	-14.716	0	%100
3	M2	X	8.496	8.496	0	%100
4	M2	Z	-14.716	-14.716	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	9.61	9.61	0	%100
8	M4	Z	-16.646	-16.646	0	%100
9	M5	X	.172	.172	0	%100
10	M5	Z	-.298	-.298	0	%100
11	M6	X	7.209	7.209	0	%100
12	M6	Z	-12.487	-12.487	0	%100
13	M7	X	.000117	.000117	0	%100
14	M7	Z	-.000203	-.000203	0	%100
15	M8	X	4.268	4.268	0	%100
16	M8	Z	-7.393	-7.393	0	%100
17	M9	X	4.259	4.259	0	%100
18	M9	Z	-7.377	-7.377	0	%100
19	M10	X	4.286	4.286	0	%100
20	M10	Z	-7.424	-7.424	0	%100
21	M11	X	5e-6	5e-6	0	%100
22	M11	Z	-8e-6	-8e-6	0	%100
23	M12	X	4.241	4.241	0	%100
24	M12	Z	-7.346	-7.346	0	%100
25	M16	X	3.703	3.703	0	%100
26	M16	Z	-6.415	-6.415	0	%100
27	MP1A	X	5.381	5.381	0	%100
28	MP1A	Z	-9.32	-9.32	0	%100
29	MP3A	X	5.381	5.381	0	%100
30	MP3A	Z	-9.32	-9.32	0	%100
31	MP4A	X	5.381	5.381	0	%100
32	MP4A	Z	-9.32	-9.32	0	%100
33	MP2A	X	5.381	5.381	0	%100
34	MP2A	Z	-9.32	-9.32	0	%100
35	MP1C	X	5.381	5.381	0	%100
36	MP1C	Z	-9.32	-9.32	0	%100
37	MP3C	X	5.381	5.381	0	%100
38	MP3C	Z	-9.32	-9.32	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,%]
39	MP4C	X	5.381	5.381	0	%100
40	MP4C	Z	-9.32	-9.32	0	%100
41	MP2C	X	5.381	5.381	0	%100
42	MP2C	Z	-9.32	-9.32	0	%100
43	MP1B	X	5.381	5.381	0	%100
44	MP1B	Z	-9.32	-9.32	0	%100
45	MP3B	X	5.381	5.381	0	%100
46	MP3B	Z	-9.32	-9.32	0	%100
47	MP4B	X	5.381	5.381	0	%100
48	MP4B	Z	-9.32	-9.32	0	%100
49	MP2B	X	5.381	5.381	0	%100
50	MP2B	Z	-9.32	-9.32	0	%100
51	M60	X	4.885	4.885	0	%100
52	M60	Z	-8.461	-8.461	0	%100
53	M61	X	4.885	4.885	0	%100
54	M61	Z	-8.461	-8.461	0	%100
55	M62	X	0	0	0	%100
56	M62	Z	0	0	0	%100
57	M81	X	6.161	6.161	0	%100
58	M81	Z	-10.672	-10.672	0	%100
59	M82	X	.001	.001	0	%100
60	M82	Z	-.002	-.002	0	%100
61	M83	X	5.99	5.99	0	%100
62	M83	Z	-10.375	-10.375	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,%]
1	M1	X	4.905	4.905	0	%100
2	M1	Z	-2.832	-2.832	0	%100
3	M2	X	19.621	19.621	0	%100
4	M2	Z	-11.328	-11.328	0	%100
5	M3	X	4.905	4.905	0	%100
6	M3	Z	-2.832	-2.832	0	%100
7	M4	X	19.322	19.322	0	%100
8	M4	Z	-11.156	-11.156	0	%100
9	M5	X	7.134	7.134	0	%100
10	M5	Z	-4.119	-4.119	0	%100
11	M6	X	2.975	2.975	0	%100
12	M6	Z	-1.718	-1.718	0	%100
13	M7	X	2.5	2.5	0	%100
14	M7	Z	-1.444	-1.444	0	%100
15	M8	X	9.847	9.847	0	%100
16	M8	Z	-5.685	-5.685	0	%100
17	M9	X	2.454	2.454	0	%100
18	M9	Z	-1.417	-1.417	0	%100
19	M10	X	9.846	9.846	0	%100
20	M10	Z	-5.685	-5.685	0	%100
21	M11	X	2.47	2.47	0	%100
22	M11	Z	-1.426	-1.426	0	%100
23	M12	X	2.423	2.423	0	%100
24	M12	Z	-1.399	-1.399	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,%]
25	M16	X	8.175	8.175	0	%100
26	M16	Z	-4.72	-4.72	0	%100
27	MP1A	X	9.32	9.32	0	%100
28	MP1A	Z	-5.381	-5.381	0	%100
29	MP3A	X	9.32	9.32	0	%100
30	MP3A	Z	-5.381	-5.381	0	%100
31	MP4A	X	9.32	9.32	0	%100
32	MP4A	Z	-5.381	-5.381	0	%100
33	MP2A	X	9.32	9.32	0	%100
34	MP2A	Z	-5.381	-5.381	0	%100
35	MP1C	X	9.32	9.32	0	%100
36	MP1C	Z	-5.381	-5.381	0	%100
37	MP3C	X	9.32	9.32	0	%100
38	MP3C	Z	-5.381	-5.381	0	%100
39	MP4C	X	9.32	9.32	0	%100
40	MP4C	Z	-5.381	-5.381	0	%100
41	MP2C	X	9.32	9.32	0	%100
42	MP2C	Z	-5.381	-5.381	0	%100
43	MP1B	X	9.32	9.32	0	%100
44	MP1B	Z	-5.381	-5.381	0	%100
45	MP3B	X	9.32	9.32	0	%100
46	MP3B	Z	-5.381	-5.381	0	%100
47	MP4B	X	9.32	9.32	0	%100
48	MP4B	Z	-5.381	-5.381	0	%100
49	MP2B	X	9.32	9.32	0	%100
50	MP2B	Z	-5.381	-5.381	0	%100
51	M60	X	2.82	2.82	0	%100
52	M60	Z	-1.628	-1.628	0	%100
53	M61	X	11.282	11.282	0	%100
54	M61	Z	-6.514	-6.514	0	%100
55	M62	X	2.82	2.82	0	%100
56	M62	Z	-1.628	-1.628	0	%100
57	M81	X	14.031	14.031	0	%100
58	M81	Z	-8.101	-8.101	0	%100
59	M82	X	3.658	3.658	0	%100
60	M82	Z	-2.112	-2.112	0	%100
61	M83	X	3.361	3.361	0	%100
62	M83	Z	-1.94	-1.94	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	16.992	16.992	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	16.992	16.992	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	14.418	14.418	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	19.221	19.221	0	%100
10	M5	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,%]
11	M6	X	.345	.345	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	8.572	8.572	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	8.518	8.518	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	1e-5	1e-5	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	8.483	8.483	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	8.537	8.537	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	.000234	.000234	0	%100
24	M12	Z	0	0	0	%100
25	M16	X	6.761	6.761	0	%100
26	M16	Z	0	0	0	%100
27	MP1A	X	10.762	10.762	0	%100
28	MP1A	Z	0	0	0	%100
29	MP3A	X	10.762	10.762	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	10.762	10.762	0	%100
32	MP4A	Z	0	0	0	%100
33	MP2A	X	10.762	10.762	0	%100
34	MP2A	Z	0	0	0	%100
35	MP1C	X	10.762	10.762	0	%100
36	MP1C	Z	0	0	0	%100
37	MP3C	X	10.762	10.762	0	%100
38	MP3C	Z	0	0	0	%100
39	MP4C	X	10.762	10.762	0	%100
40	MP4C	Z	0	0	0	%100
41	MP2C	X	10.762	10.762	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1B	X	10.762	10.762	0	%100
44	MP1B	Z	0	0	0	%100
45	MP3B	X	10.762	10.762	0	%100
46	MP3B	Z	0	0	0	%100
47	MP4B	X	10.762	10.762	0	%100
48	MP4B	Z	0	0	0	%100
49	MP2B	X	10.762	10.762	0	%100
50	MP2B	Z	0	0	0	%100
51	M60	X	0	0	0	%100
52	M60	Z	0	0	0	%100
53	M61	X	9.77	9.77	0	%100
54	M61	Z	0	0	0	%100
55	M62	X	9.77	9.77	0	%100
56	M62	Z	0	0	0	%100
57	M81	X	11.98	11.98	0	%100
58	M81	Z	0	0	0	%100
59	M82	X	12.323	12.323	0	%100
60	M82	Z	0	0	0	%100
61	M83	X	.002	.002	0	%100
62	M83	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	M1	X	4.905	4.905	0	%100
2	M1	Z	2.832	2.832	0	%100
3	M2	X	4.905	4.905	0	%100
4	M2	Z	2.832	2.832	0	%100
5	M3	X	19.621	19.621	0	%100
6	M3	Z	11.328	11.328	0	%100
7	M4	X	2.975	2.975	0	%100
8	M4	Z	1.718	1.718	0	%100
9	M5	X	19.322	19.322	0	%100
10	M5	Z	11.156	11.156	0	%100
11	M6	X	7.134	7.134	0	%100
12	M6	Z	4.119	4.119	0	%100
13	M7	X	9.846	9.846	0	%100
14	M7	Z	5.685	5.685	0	%100
15	M8	X	2.454	2.454	0	%100
16	M8	Z	1.417	1.417	0	%100
17	M9	X	2.47	2.47	0	%100
18	M9	Z	1.426	1.426	0	%100
19	M10	X	2.423	2.423	0	%100
20	M10	Z	1.399	1.399	0	%100
21	M11	X	9.847	9.847	0	%100
22	M11	Z	5.685	5.685	0	%100
23	M12	X	2.5	2.5	0	%100
24	M12	Z	1.444	1.444	0	%100
25	M16	X	1.774	1.774	0	%100
26	M16	Z	1.024	1.024	0	%100
27	MP1A	X	9.32	9.32	0	%100
28	MP1A	Z	5.381	5.381	0	%100
29	MP3A	X	9.32	9.32	0	%100
30	MP3A	Z	5.381	5.381	0	%100
31	MP4A	X	9.32	9.32	0	%100
32	MP4A	Z	5.381	5.381	0	%100
33	MP2A	X	9.32	9.32	0	%100
34	MP2A	Z	5.381	5.381	0	%100
35	MP1C	X	9.32	9.32	0	%100
36	MP1C	Z	5.381	5.381	0	%100
37	MP3C	X	9.32	9.32	0	%100
38	MP3C	Z	5.381	5.381	0	%100
39	MP4C	X	9.32	9.32	0	%100
40	MP4C	Z	5.381	5.381	0	%100
41	MP2C	X	9.32	9.32	0	%100
42	MP2C	Z	5.381	5.381	0	%100
43	MP1B	X	9.32	9.32	0	%100
44	MP1B	Z	5.381	5.381	0	%100
45	MP3B	X	9.32	9.32	0	%100
46	MP3B	Z	5.381	5.381	0	%100
47	MP4B	X	9.32	9.32	0	%100
48	MP4B	Z	5.381	5.381	0	%100
49	MP2B	X	9.32	9.32	0	%100
50	MP2B	Z	5.381	5.381	0	%100
51	M60	X	2.82	2.82	0	%100
52	M60	Z	1.628	1.628	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,%]
53	M61	X	2.82	2.82	0	%100
54	M61	Z	1.628	1.628	0	%100
55	M62	X	11.282	11.282	0	%100
56	M62	Z	6.514	6.514	0	%100
57	M81	X	3.361	3.361	0	%100
58	M81	Z	1.94	1.94	0	%100
59	M82	X	14.031	14.031	0	%100
60	M82	Z	8.101	8.101	0	%100
61	M83	X	3.658	3.658	0	%100
62	M83	Z	2.112	2.112	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	M1	X	8.496	8.496	0	%100
2	M1	Z	14.716	14.716	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	8.496	8.496	0	%100
6	M3	Z	14.716	14.716	0	%100
7	M4	X	.172	.172	0	%100
8	M4	Z	.298	.298	0	%100
9	M5	X	7.209	7.209	0	%100
10	M5	Z	12.487	12.487	0	%100
11	M6	X	9.61	9.61	0	%100
12	M6	Z	16.646	16.646	0	%100
13	M7	X	4.241	4.241	0	%100
14	M7	Z	7.346	7.346	0	%100
15	M8	X	5e-6	5e-6	0	%100
16	M8	Z	8e-6	8e-6	0	%100
17	M9	X	4.268	4.268	0	%100
18	M9	Z	7.393	7.393	0	%100
19	M10	X	.000117	.000117	0	%100
20	M10	Z	.000203	.000203	0	%100
21	M11	X	4.259	4.259	0	%100
22	M11	Z	7.377	7.377	0	%100
23	M12	X	4.286	4.286	0	%100
24	M12	Z	7.424	7.424	0	%100
25	M16	X	.007	.007	0	%100
26	M16	Z	.013	.013	0	%100
27	MP1A	X	5.381	5.381	0	%100
28	MP1A	Z	9.32	9.32	0	%100
29	MP3A	X	5.381	5.381	0	%100
30	MP3A	Z	9.32	9.32	0	%100
31	MP4A	X	5.381	5.381	0	%100
32	MP4A	Z	9.32	9.32	0	%100
33	MP2A	X	5.381	5.381	0	%100
34	MP2A	Z	9.32	9.32	0	%100
35	MP1C	X	5.381	5.381	0	%100
36	MP1C	Z	9.32	9.32	0	%100
37	MP3C	X	5.381	5.381	0	%100
38	MP3C	Z	9.32	9.32	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,%]
39	MP4C	X	5.381	5.381	0	%100
40	MP4C	Z	9.32	9.32	0	%100
41	MP2C	X	5.381	5.381	0	%100
42	MP2C	Z	9.32	9.32	0	%100
43	MP1B	X	5.381	5.381	0	%100
44	MP1B	Z	9.32	9.32	0	%100
45	MP3B	X	5.381	5.381	0	%100
46	MP3B	Z	9.32	9.32	0	%100
47	MP4B	X	5.381	5.381	0	%100
48	MP4B	Z	9.32	9.32	0	%100
49	MP2B	X	5.381	5.381	0	%100
50	MP2B	Z	9.32	9.32	0	%100
51	M60	X	4.885	4.885	0	%100
52	M60	Z	8.461	8.461	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	0	0	0	%100
55	M62	X	4.885	4.885	0	%100
56	M62	Z	8.461	8.461	0	%100
57	M81	X	.001	.001	0	%100
58	M81	Z	.002	.002	0	%100
59	M82	X	5.99	5.99	0	%100
60	M82	Z	10.375	10.375	0	%100
61	M83	X	6.161	6.161	0	%100
62	M83	Z	10.672	10.672	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	M1	X	0	0	0	%100
2	M1	Z	22.656	22.656	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	5.664	5.664	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	5.664	5.664	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	8.238	8.238	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	3.435	3.435	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	22.311	22.311	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	2.798	2.798	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	2.852	2.852	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	11.37	11.37	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	2.887	2.887	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	2.833	2.833	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	11.37	11.37	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	M16	X	0	0	0	%100
26	M16	Z	2.694	2.694	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	10.762	10.762	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	Z	10.762	10.762	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	10.762	10.762	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	10.762	10.762	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	10.762	10.762	0	%100
37	MP3C	X	0	0	0	%100
38	MP3C	Z	10.762	10.762	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	10.762	10.762	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	10.762	10.762	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	10.762	10.762	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	10.762	10.762	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	10.762	10.762	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	10.762	10.762	0	%100
51	M60	X	0	0	0	%100
52	M60	Z	13.027	13.027	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	3.257	3.257	0	%100
55	M62	X	0	0	0	%100
56	M62	Z	3.257	3.257	0	%100
57	M81	X	0	0	0	%100
58	M81	Z	4.223	4.223	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	3.881	3.881	0	%100
61	M83	X	0	0	0	%100
62	M83	Z	16.201	16.201	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	M1	X	-8.496	-8.496	0	%100
2	M1	Z	14.716	14.716	0	%100
3	M2	X	-8.496	-8.496	0	%100
4	M2	Z	14.716	14.716	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-9.61	-9.61	0	%100
8	M4	Z	16.646	16.646	0	%100
9	M5	X	-.172	-.172	0	%100
10	M5	Z	.298	.298	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,%]
11	M6	X	-7.209	-7.209	0	%100
12	M6	Z	12.487	12.487	0	%100
13	M7	X	-.000117	-.000117	0	%100
14	M7	Z	.000203	.000203	0	%100
15	M8	X	-4.268	-4.268	0	%100
16	M8	Z	7.393	7.393	0	%100
17	M9	X	-4.259	-4.259	0	%100
18	M9	Z	7.377	7.377	0	%100
19	M10	X	-4.286	-4.286	0	%100
20	M10	Z	7.424	7.424	0	%100
21	M11	X	-5e-6	-5e-6	0	%100
22	M11	Z	8e-6	8e-6	0	%100
23	M12	X	-4.241	-4.241	0	%100
24	M12	Z	7.346	7.346	0	%100
25	M16	X	-3.703	-3.703	0	%100
26	M16	Z	6.415	6.415	0	%100
27	MP1A	X	-5.381	-5.381	0	%100
28	MP1A	Z	9.32	9.32	0	%100
29	MP3A	X	-5.381	-5.381	0	%100
30	MP3A	Z	9.32	9.32	0	%100
31	MP4A	X	-5.381	-5.381	0	%100
32	MP4A	Z	9.32	9.32	0	%100
33	MP2A	X	-5.381	-5.381	0	%100
34	MP2A	Z	9.32	9.32	0	%100
35	MP1C	X	-5.381	-5.381	0	%100
36	MP1C	Z	9.32	9.32	0	%100
37	MP3C	X	-5.381	-5.381	0	%100
38	MP3C	Z	9.32	9.32	0	%100
39	MP4C	X	-5.381	-5.381	0	%100
40	MP4C	Z	9.32	9.32	0	%100
41	MP2C	X	-5.381	-5.381	0	%100
42	MP2C	Z	9.32	9.32	0	%100
43	MP1B	X	-5.381	-5.381	0	%100
44	MP1B	Z	9.32	9.32	0	%100
45	MP3B	X	-5.381	-5.381	0	%100
46	MP3B	Z	9.32	9.32	0	%100
47	MP4B	X	-5.381	-5.381	0	%100
48	MP4B	Z	9.32	9.32	0	%100
49	MP2B	X	-5.381	-5.381	0	%100
50	MP2B	Z	9.32	9.32	0	%100
51	M60	X	-4.885	-4.885	0	%100
52	M60	Z	8.461	8.461	0	%100
53	M61	X	-4.885	-4.885	0	%100
54	M61	Z	8.461	8.461	0	%100
55	M62	X	0	0	0	%100
56	M62	Z	0	0	0	%100
57	M81	X	-6.161	-6.161	0	%100
58	M81	Z	10.672	10.672	0	%100
59	M82	X	-.001	-.001	0	%100
60	M82	Z	.002	.002	0	%100
61	M83	X	-5.99	-5.99	0	%100
62	M83	Z	10.375	10.375	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	M1	X	-4.905	-4.905	0	%100
2	M1	Z	2.832	2.832	0	%100
3	M2	X	-19.621	-19.621	0	%100
4	M2	Z	11.328	11.328	0	%100
5	M3	X	-4.905	-4.905	0	%100
6	M3	Z	2.832	2.832	0	%100
7	M4	X	-19.322	-19.322	0	%100
8	M4	Z	11.156	11.156	0	%100
9	M5	X	-7.134	-7.134	0	%100
10	M5	Z	4.119	4.119	0	%100
11	M6	X	-2.975	-2.975	0	%100
12	M6	Z	1.718	1.718	0	%100
13	M7	X	-2.5	-2.5	0	%100
14	M7	Z	1.444	1.444	0	%100
15	M8	X	-9.847	-9.847	0	%100
16	M8	Z	5.685	5.685	0	%100
17	M9	X	-2.454	-2.454	0	%100
18	M9	Z	1.417	1.417	0	%100
19	M10	X	-9.846	-9.846	0	%100
20	M10	Z	5.685	5.685	0	%100
21	M11	X	-2.47	-2.47	0	%100
22	M11	Z	1.426	1.426	0	%100
23	M12	X	-2.423	-2.423	0	%100
24	M12	Z	1.399	1.399	0	%100
25	M16	X	-8.175	-8.175	0	%100
26	M16	Z	4.72	4.72	0	%100
27	MP1A	X	-9.32	-9.32	0	%100
28	MP1A	Z	5.381	5.381	0	%100
29	MP3A	X	-9.32	-9.32	0	%100
30	MP3A	Z	5.381	5.381	0	%100
31	MP4A	X	-9.32	-9.32	0	%100
32	MP4A	Z	5.381	5.381	0	%100
33	MP2A	X	-9.32	-9.32	0	%100
34	MP2A	Z	5.381	5.381	0	%100
35	MP1C	X	-9.32	-9.32	0	%100
36	MP1C	Z	5.381	5.381	0	%100
37	MP3C	X	-9.32	-9.32	0	%100
38	MP3C	Z	5.381	5.381	0	%100
39	MP4C	X	-9.32	-9.32	0	%100
40	MP4C	Z	5.381	5.381	0	%100
41	MP2C	X	-9.32	-9.32	0	%100
42	MP2C	Z	5.381	5.381	0	%100
43	MP1B	X	-9.32	-9.32	0	%100
44	MP1B	Z	5.381	5.381	0	%100
45	MP3B	X	-9.32	-9.32	0	%100
46	MP3B	Z	5.381	5.381	0	%100
47	MP4B	X	-9.32	-9.32	0	%100
48	MP4B	Z	5.381	5.381	0	%100
49	MP2B	X	-9.32	-9.32	0	%100
50	MP2B	Z	5.381	5.381	0	%100
51	M60	X	-2.82	-2.82	0	%100
52	M60	Z	1.628	1.628	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,%]
53	M61	X	-11.282	-11.282	0	%100
54	M61	Z	6.514	6.514	0	%100
55	M62	X	-2.82	-2.82	0	%100
56	M62	Z	1.628	1.628	0	%100
57	M81	X	-14.031	-14.031	0	%100
58	M81	Z	8.101	8.101	0	%100
59	M82	X	-3.658	-3.658	0	%100
60	M82	Z	2.112	2.112	0	%100
61	M83	X	-3.361	-3.361	0	%100
62	M83	Z	1.94	1.94	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-16.992	-16.992	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-16.992	-16.992	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-14.418	-14.418	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-19.221	-19.221	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.345	-.345	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-8.572	-8.572	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-8.518	-8.518	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-1e-5	-1e-5	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-8.483	-8.483	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-8.537	-8.537	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-.000234	-.000234	0	%100
24	M12	Z	0	0	0	%100
25	M16	X	-6.761	-6.761	0	%100
26	M16	Z	0	0	0	%100
27	MP1A	X	-10.762	-10.762	0	%100
28	MP1A	Z	0	0	0	%100
29	MP3A	X	-10.762	-10.762	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	-10.762	-10.762	0	%100
32	MP4A	Z	0	0	0	%100
33	MP2A	X	-10.762	-10.762	0	%100
34	MP2A	Z	0	0	0	%100
35	MP1C	X	-10.762	-10.762	0	%100
36	MP1C	Z	0	0	0	%100
37	MP3C	X	-10.762	-10.762	0	%100
38	MP3C	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,%]
39	MP4C	X	-10.762	-10.762	0	%100
40	MP4C	Z	0	0	0	%100
41	MP2C	X	-10.762	-10.762	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1B	X	-10.762	-10.762	0	%100
44	MP1B	Z	0	0	0	%100
45	MP3B	X	-10.762	-10.762	0	%100
46	MP3B	Z	0	0	0	%100
47	MP4B	X	-10.762	-10.762	0	%100
48	MP4B	Z	0	0	0	%100
49	MP2B	X	-10.762	-10.762	0	%100
50	MP2B	Z	0	0	0	%100
51	M60	X	0	0	0	%100
52	M60	Z	0	0	0	%100
53	M61	X	-9.77	-9.77	0	%100
54	M61	Z	0	0	0	%100
55	M62	X	-9.77	-9.77	0	%100
56	M62	Z	0	0	0	%100
57	M81	X	-11.98	-11.98	0	%100
58	M81	Z	0	0	0	%100
59	M82	X	-12.323	-12.323	0	%100
60	M82	Z	0	0	0	%100
61	M83	X	-.002	-.002	0	%100
62	M83	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	M1	X	-4.905	-4.905	0	%100
2	M1	Z	-2.832	-2.832	0	%100
3	M2	X	-4.905	-4.905	0	%100
4	M2	Z	-2.832	-2.832	0	%100
5	M3	X	-19.621	-19.621	0	%100
6	M3	Z	-11.328	-11.328	0	%100
7	M4	X	-2.975	-2.975	0	%100
8	M4	Z	-1.718	-1.718	0	%100
9	M5	X	-19.322	-19.322	0	%100
10	M5	Z	-11.156	-11.156	0	%100
11	M6	X	-7.134	-7.134	0	%100
12	M6	Z	-4.119	-4.119	0	%100
13	M7	X	-9.846	-9.846	0	%100
14	M7	Z	-5.685	-5.685	0	%100
15	M8	X	-2.454	-2.454	0	%100
16	M8	Z	-1.417	-1.417	0	%100
17	M9	X	-2.47	-2.47	0	%100
18	M9	Z	-1.426	-1.426	0	%100
19	M10	X	-2.423	-2.423	0	%100
20	M10	Z	-1.399	-1.399	0	%100
21	M11	X	-9.847	-9.847	0	%100
22	M11	Z	-5.685	-5.685	0	%100
23	M12	X	-2.5	-2.5	0	%100
24	M12	Z	-1.444	-1.444	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,%]
25	M16	X	-1.774	-1.774	0	%100
26	M16	Z	-1.024	-1.024	0	%100
27	MP1A	X	-9.32	-9.32	0	%100
28	MP1A	Z	-5.381	-5.381	0	%100
29	MP3A	X	-9.32	-9.32	0	%100
30	MP3A	Z	-5.381	-5.381	0	%100
31	MP4A	X	-9.32	-9.32	0	%100
32	MP4A	Z	-5.381	-5.381	0	%100
33	MP2A	X	-9.32	-9.32	0	%100
34	MP2A	Z	-5.381	-5.381	0	%100
35	MP1C	X	-9.32	-9.32	0	%100
36	MP1C	Z	-5.381	-5.381	0	%100
37	MP3C	X	-9.32	-9.32	0	%100
38	MP3C	Z	-5.381	-5.381	0	%100
39	MP4C	X	-9.32	-9.32	0	%100
40	MP4C	Z	-5.381	-5.381	0	%100
41	MP2C	X	-9.32	-9.32	0	%100
42	MP2C	Z	-5.381	-5.381	0	%100
43	MP1B	X	-9.32	-9.32	0	%100
44	MP1B	Z	-5.381	-5.381	0	%100
45	MP3B	X	-9.32	-9.32	0	%100
46	MP3B	Z	-5.381	-5.381	0	%100
47	MP4B	X	-9.32	-9.32	0	%100
48	MP4B	Z	-5.381	-5.381	0	%100
49	MP2B	X	-9.32	-9.32	0	%100
50	MP2B	Z	-5.381	-5.381	0	%100
51	M60	X	-2.82	-2.82	0	%100
52	M60	Z	-1.628	-1.628	0	%100
53	M61	X	-2.82	-2.82	0	%100
54	M61	Z	-1.628	-1.628	0	%100
55	M62	X	-11.282	-11.282	0	%100
56	M62	Z	-6.514	-6.514	0	%100
57	M81	X	-3.361	-3.361	0	%100
58	M81	Z	-1.94	-1.94	0	%100
59	M82	X	-14.031	-14.031	0	%100
60	M82	Z	-8.101	-8.101	0	%100
61	M83	X	-3.658	-3.658	0	%100
62	M83	Z	-2.112	-2.112	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	M1	X	-8.496	-8.496	0	%100
2	M1	Z	-14.716	-14.716	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-8.496	-8.496	0	%100
6	M3	Z	-14.716	-14.716	0	%100
7	M4	X	-.172	-.172	0	%100
8	M4	Z	-.298	-.298	0	%100
9	M5	X	-7.209	-7.209	0	%100
10	M5	Z	-12.487	-12.487	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,%]
11	M6	X	-9.61	-9.61	0	%100
12	M6	Z	-16.646	-16.646	0	%100
13	M7	X	-4.241	-4.241	0	%100
14	M7	Z	-7.346	-7.346	0	%100
15	M8	X	-5e-6	-5e-6	0	%100
16	M8	Z	-8e-6	-8e-6	0	%100
17	M9	X	-4.268	-4.268	0	%100
18	M9	Z	-7.393	-7.393	0	%100
19	M10	X	-.000117	-.000117	0	%100
20	M10	Z	-.000203	-.000203	0	%100
21	M11	X	-4.259	-4.259	0	%100
22	M11	Z	-7.377	-7.377	0	%100
23	M12	X	-4.286	-4.286	0	%100
24	M12	Z	-7.424	-7.424	0	%100
25	M16	X	-.007	-.007	0	%100
26	M16	Z	-.013	-.013	0	%100
27	MP1A	X	-5.381	-5.381	0	%100
28	MP1A	Z	-9.32	-9.32	0	%100
29	MP3A	X	-5.381	-5.381	0	%100
30	MP3A	Z	-9.32	-9.32	0	%100
31	MP4A	X	-5.381	-5.381	0	%100
32	MP4A	Z	-9.32	-9.32	0	%100
33	MP2A	X	-5.381	-5.381	0	%100
34	MP2A	Z	-9.32	-9.32	0	%100
35	MP1C	X	-5.381	-5.381	0	%100
36	MP1C	Z	-9.32	-9.32	0	%100
37	MP3C	X	-5.381	-5.381	0	%100
38	MP3C	Z	-9.32	-9.32	0	%100
39	MP4C	X	-5.381	-5.381	0	%100
40	MP4C	Z	-9.32	-9.32	0	%100
41	MP2C	X	-5.381	-5.381	0	%100
42	MP2C	Z	-9.32	-9.32	0	%100
43	MP1B	X	-5.381	-5.381	0	%100
44	MP1B	Z	-9.32	-9.32	0	%100
45	MP3B	X	-5.381	-5.381	0	%100
46	MP3B	Z	-9.32	-9.32	0	%100
47	MP4B	X	-5.381	-5.381	0	%100
48	MP4B	Z	-9.32	-9.32	0	%100
49	MP2B	X	-5.381	-5.381	0	%100
50	MP2B	Z	-9.32	-9.32	0	%100
51	M60	X	-4.885	-4.885	0	%100
52	M60	Z	-8.461	-8.461	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	0	0	0	%100
55	M62	X	-4.885	-4.885	0	%100
56	M62	Z	-8.461	-8.461	0	%100
57	M81	X	-.001	-.001	0	%100
58	M81	Z	-.002	-.002	0	%100
59	M82	X	-5.99	-5.99	0	%100
60	M82	Z	-10.375	-10.375	0	%100
61	M83	X	-6.161	-6.161	0	%100
62	M83	Z	-10.672	-10.672	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	M1	X	0	0	0	%100
2	M1	Z	-5.295	-5.295	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-1.324	-1.324	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.324	-1.324	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-1.672	-1.672	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-.697	-.697	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-4.529	-4.529	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-.791	-.791	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-.806	-.806	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-3.213	-3.213	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-.816	-.816	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-.801	-.801	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-3.213	-3.213	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	-.715	-.715	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	-3.392	-3.392	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	Z	-3.392	-3.392	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	-3.392	-3.392	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-3.392	-3.392	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	-3.392	-3.392	0	%100
37	MP3C	X	0	0	0	%100
38	MP3C	Z	-3.392	-3.392	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	-3.392	-3.392	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-3.392	-3.392	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-3.392	-3.392	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	-3.392	-3.392	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	-3.392	-3.392	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	-3.392	-3.392	0	%100
51	M60	X	0	0	0	%100
52	M60	Z	-3.754	-3.754	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,%]
53	M61	X	0	0	0	%100
54	M61	Z	-.939	-.939	0	%100
55	M62	X	0	0	0	%100
56	M62	Z	-.939	-.939	0	%100
57	M81	X	0	0	0	%100
58	M81	Z	-.993	-.993	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	-.912	-.912	0	%100
61	M83	X	0	0	0	%100
62	M83	Z	-3.808	-3.808	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	M1	X	1.986	1.986	0	%100
2	M1	Z	-3.439	-3.439	0	%100
3	M2	X	1.986	1.986	0	%100
4	M2	Z	-3.439	-3.439	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.951	1.951	0	%100
8	M4	Z	-3.379	-3.379	0	%100
9	M5	X	.035	.035	0	%100
10	M5	Z	-.061	-.061	0	%100
11	M6	X	1.463	1.463	0	%100
12	M6	Z	-2.535	-2.535	0	%100
13	M7	X	3.3e-5	3.3e-5	0	%100
14	M7	Z	-5.7e-5	-5.7e-5	0	%100
15	M8	X	1.206	1.206	0	%100
16	M8	Z	-2.089	-2.089	0	%100
17	M9	X	1.204	1.204	0	%100
18	M9	Z	-2.085	-2.085	0	%100
19	M10	X	1.211	1.211	0	%100
20	M10	Z	-2.098	-2.098	0	%100
21	M11	X	1e-6	1e-6	0	%100
22	M11	Z	-2e-6	-2e-6	0	%100
23	M12	X	1.198	1.198	0	%100
24	M12	Z	-2.076	-2.076	0	%100
25	M16	X	.982	.982	0	%100
26	M16	Z	-1.702	-1.702	0	%100
27	MP1A	X	1.696	1.696	0	%100
28	MP1A	Z	-2.937	-2.937	0	%100
29	MP3A	X	1.696	1.696	0	%100
30	MP3A	Z	-2.937	-2.937	0	%100
31	MP4A	X	1.696	1.696	0	%100
32	MP4A	Z	-2.937	-2.937	0	%100
33	MP2A	X	1.696	1.696	0	%100
34	MP2A	Z	-2.937	-2.937	0	%100
35	MP1C	X	1.696	1.696	0	%100
36	MP1C	Z	-2.937	-2.937	0	%100
37	MP3C	X	1.696	1.696	0	%100
38	MP3C	Z	-2.937	-2.937	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,%]
39	MP4C	X	1.696	1.696	0	%100
40	MP4C	Z	-2.937	-2.937	0	%100
41	MP2C	X	1.696	1.696	0	%100
42	MP2C	Z	-2.937	-2.937	0	%100
43	MP1B	X	1.696	1.696	0	%100
44	MP1B	Z	-2.937	-2.937	0	%100
45	MP3B	X	1.696	1.696	0	%100
46	MP3B	Z	-2.937	-2.937	0	%100
47	MP4B	X	1.696	1.696	0	%100
48	MP4B	Z	-2.937	-2.937	0	%100
49	MP2B	X	1.696	1.696	0	%100
50	MP2B	Z	-2.937	-2.937	0	%100
51	M60	X	1.408	1.408	0	%100
52	M60	Z	-2.438	-2.438	0	%100
53	M61	X	1.408	1.408	0	%100
54	M61	Z	-2.438	-2.438	0	%100
55	M62	X	0	0	0	%100
56	M62	Z	0	0	0	%100
57	M81	X	1.448	1.448	0	%100
58	M81	Z	-2.508	-2.508	0	%100
59	M82	X	.000284	.000284	0	%100
60	M82	Z	-.000492	-.000492	0	%100
61	M83	X	1.408	1.408	0	%100
62	M83	Z	-2.438	-2.438	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	M1	X	1.146	1.146	0	%100
2	M1	Z	-.662	-.662	0	%100
3	M2	X	4.586	4.586	0	%100
4	M2	Z	-2.647	-2.647	0	%100
5	M3	X	1.146	1.146	0	%100
6	M3	Z	-.662	-.662	0	%100
7	M4	X	3.922	3.922	0	%100
8	M4	Z	-2.265	-2.265	0	%100
9	M5	X	1.448	1.448	0	%100
10	M5	Z	-.836	-.836	0	%100
11	M6	X	.604	.604	0	%100
12	M6	Z	-.349	-.349	0	%100
13	M7	X	.707	.707	0	%100
14	M7	Z	-.408	-.408	0	%100
15	M8	X	2.782	2.782	0	%100
16	M8	Z	-1.606	-1.606	0	%100
17	M9	X	.693	.693	0	%100
18	M9	Z	-.4	-.4	0	%100
19	M10	X	2.782	2.782	0	%100
20	M10	Z	-1.606	-1.606	0	%100
21	M11	X	.698	.698	0	%100
22	M11	Z	-.403	-.403	0	%100
23	M12	X	.685	.685	0	%100
24	M12	Z	-.395	-.395	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,%]
25	M16	X	2.169	2.169	0	%100
26	M16	Z	-1.252	-1.252	0	%100
27	MP1A	X	2.937	2.937	0	%100
28	MP1A	Z	-1.696	-1.696	0	%100
29	MP3A	X	2.937	2.937	0	%100
30	MP3A	Z	-1.696	-1.696	0	%100
31	MP4A	X	2.937	2.937	0	%100
32	MP4A	Z	-1.696	-1.696	0	%100
33	MP2A	X	2.937	2.937	0	%100
34	MP2A	Z	-1.696	-1.696	0	%100
35	MP1C	X	2.937	2.937	0	%100
36	MP1C	Z	-1.696	-1.696	0	%100
37	MP3C	X	2.937	2.937	0	%100
38	MP3C	Z	-1.696	-1.696	0	%100
39	MP4C	X	2.937	2.937	0	%100
40	MP4C	Z	-1.696	-1.696	0	%100
41	MP2C	X	2.937	2.937	0	%100
42	MP2C	Z	-1.696	-1.696	0	%100
43	MP1B	X	2.937	2.937	0	%100
44	MP1B	Z	-1.696	-1.696	0	%100
45	MP3B	X	2.937	2.937	0	%100
46	MP3B	Z	-1.696	-1.696	0	%100
47	MP4B	X	2.937	2.937	0	%100
48	MP4B	Z	-1.696	-1.696	0	%100
49	MP2B	X	2.937	2.937	0	%100
50	MP2B	Z	-1.696	-1.696	0	%100
51	M60	X	.813	.813	0	%100
52	M60	Z	-.469	-.469	0	%100
53	M61	X	3.251	3.251	0	%100
54	M61	Z	-1.877	-1.877	0	%100
55	M62	X	.813	.813	0	%100
56	M62	Z	-.469	-.469	0	%100
57	M81	X	3.297	3.297	0	%100
58	M81	Z	-1.904	-1.904	0	%100
59	M82	X	.86	.86	0	%100
60	M82	Z	-.496	-.496	0	%100
61	M83	X	.79	.79	0	%100
62	M83	Z	-.456	-.456	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	3.971	3.971	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	3.971	3.971	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	2.927	2.927	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	3.902	3.902	0	%100
10	M5	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,%]
11	M6	X	.07	.07	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	2.422	2.422	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	2.407	2.407	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	3e-6	3e-6	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	2.397	2.397	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	2.412	2.412	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	6.6e-5	6.6e-5	0	%100
24	M12	Z	0	0	0	%100
25	M16	X	1.793	1.793	0	%100
26	M16	Z	0	0	0	%100
27	MP1A	X	3.392	3.392	0	%100
28	MP1A	Z	0	0	0	%100
29	MP3A	X	3.392	3.392	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	3.392	3.392	0	%100
32	MP4A	Z	0	0	0	%100
33	MP2A	X	3.392	3.392	0	%100
34	MP2A	Z	0	0	0	%100
35	MP1C	X	3.392	3.392	0	%100
36	MP1C	Z	0	0	0	%100
37	MP3C	X	3.392	3.392	0	%100
38	MP3C	Z	0	0	0	%100
39	MP4C	X	3.392	3.392	0	%100
40	MP4C	Z	0	0	0	%100
41	MP2C	X	3.392	3.392	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1B	X	3.392	3.392	0	%100
44	MP1B	Z	0	0	0	%100
45	MP3B	X	3.392	3.392	0	%100
46	MP3B	Z	0	0	0	%100
47	MP4B	X	3.392	3.392	0	%100
48	MP4B	Z	0	0	0	%100
49	MP2B	X	3.392	3.392	0	%100
50	MP2B	Z	0	0	0	%100
51	M60	X	0	0	0	%100
52	M60	Z	0	0	0	%100
53	M61	X	2.816	2.816	0	%100
54	M61	Z	0	0	0	%100
55	M62	X	2.816	2.816	0	%100
56	M62	Z	0	0	0	%100
57	M81	X	2.816	2.816	0	%100
58	M81	Z	0	0	0	%100
59	M82	X	2.896	2.896	0	%100
60	M82	Z	0	0	0	%100
61	M83	X	.000568	.000568	0	%100
62	M83	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	M1	X	1.146	1.146	0	%100
2	M1	Z	.662	.662	0	%100
3	M2	X	1.146	1.146	0	%100
4	M2	Z	.662	.662	0	%100
5	M3	X	4.586	4.586	0	%100
6	M3	Z	2.647	2.647	0	%100
7	M4	X	.604	.604	0	%100
8	M4	Z	.349	.349	0	%100
9	M5	X	3.922	3.922	0	%100
10	M5	Z	2.265	2.265	0	%100
11	M6	X	1.448	1.448	0	%100
12	M6	Z	.836	.836	0	%100
13	M7	X	2.782	2.782	0	%100
14	M7	Z	1.606	1.606	0	%100
15	M8	X	.693	.693	0	%100
16	M8	Z	.4	.4	0	%100
17	M9	X	.698	.698	0	%100
18	M9	Z	.403	.403	0	%100
19	M10	X	.685	.685	0	%100
20	M10	Z	.395	.395	0	%100
21	M11	X	2.782	2.782	0	%100
22	M11	Z	1.606	1.606	0	%100
23	M12	X	.707	.707	0	%100
24	M12	Z	.408	.408	0	%100
25	M16	X	.47	.47	0	%100
26	M16	Z	.272	.272	0	%100
27	MP1A	X	2.937	2.937	0	%100
28	MP1A	Z	1.696	1.696	0	%100
29	MP3A	X	2.937	2.937	0	%100
30	MP3A	Z	1.696	1.696	0	%100
31	MP4A	X	2.937	2.937	0	%100
32	MP4A	Z	1.696	1.696	0	%100
33	MP2A	X	2.937	2.937	0	%100
34	MP2A	Z	1.696	1.696	0	%100
35	MP1C	X	2.937	2.937	0	%100
36	MP1C	Z	1.696	1.696	0	%100
37	MP3C	X	2.937	2.937	0	%100
38	MP3C	Z	1.696	1.696	0	%100
39	MP4C	X	2.937	2.937	0	%100
40	MP4C	Z	1.696	1.696	0	%100
41	MP2C	X	2.937	2.937	0	%100
42	MP2C	Z	1.696	1.696	0	%100
43	MP1B	X	2.937	2.937	0	%100
44	MP1B	Z	1.696	1.696	0	%100
45	MP3B	X	2.937	2.937	0	%100
46	MP3B	Z	1.696	1.696	0	%100
47	MP4B	X	2.937	2.937	0	%100
48	MP4B	Z	1.696	1.696	0	%100
49	MP2B	X	2.937	2.937	0	%100
50	MP2B	Z	1.696	1.696	0	%100
51	M60	X	.813	.813	0	%100
52	M60	Z	.469	.469	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,%]
53	M61	X	.813	.813	0	%100
54	M61	Z	.469	.469	0	%100
55	M62	X	3.251	3.251	0	%100
56	M62	Z	1.877	1.877	0	%100
57	M81	X	.79	.79	0	%100
58	M81	Z	.456	.456	0	%100
59	M82	X	3.297	3.297	0	%100
60	M82	Z	1.904	1.904	0	%100
61	M83	X	.86	.86	0	%100
62	M83	Z	.496	.496	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	M1	X	1.986	1.986	0	%100
2	M1	Z	3.439	3.439	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	1.986	1.986	0	%100
6	M3	Z	3.439	3.439	0	%100
7	M4	X	.035	.035	0	%100
8	M4	Z	.061	.061	0	%100
9	M5	X	1.463	1.463	0	%100
10	M5	Z	2.535	2.535	0	%100
11	M6	X	1.951	1.951	0	%100
12	M6	Z	3.379	3.379	0	%100
13	M7	X	1.198	1.198	0	%100
14	M7	Z	2.076	2.076	0	%100
15	M8	X	1e-6	1e-6	0	%100
16	M8	Z	2e-6	2e-6	0	%100
17	M9	X	1.206	1.206	0	%100
18	M9	Z	2.089	2.089	0	%100
19	M10	X	3.3e-5	3.3e-5	0	%100
20	M10	Z	5.7e-5	5.7e-5	0	%100
21	M11	X	1.204	1.204	0	%100
22	M11	Z	2.085	2.085	0	%100
23	M12	X	1.211	1.211	0	%100
24	M12	Z	2.098	2.098	0	%100
25	M16	X	.002	.002	0	%100
26	M16	Z	.003	.003	0	%100
27	MP1A	X	1.696	1.696	0	%100
28	MP1A	Z	2.937	2.937	0	%100
29	MP3A	X	1.696	1.696	0	%100
30	MP3A	Z	2.937	2.937	0	%100
31	MP4A	X	1.696	1.696	0	%100
32	MP4A	Z	2.937	2.937	0	%100
33	MP2A	X	1.696	1.696	0	%100
34	MP2A	Z	2.937	2.937	0	%100
35	MP1C	X	1.696	1.696	0	%100
36	MP1C	Z	2.937	2.937	0	%100
37	MP3C	X	1.696	1.696	0	%100
38	MP3C	Z	2.937	2.937	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,%]
39	MP4C	X	1.696	1.696	0	%100
40	MP4C	Z	2.937	2.937	0	%100
41	MP2C	X	1.696	1.696	0	%100
42	MP2C	Z	2.937	2.937	0	%100
43	MP1B	X	1.696	1.696	0	%100
44	MP1B	Z	2.937	2.937	0	%100
45	MP3B	X	1.696	1.696	0	%100
46	MP3B	Z	2.937	2.937	0	%100
47	MP4B	X	1.696	1.696	0	%100
48	MP4B	Z	2.937	2.937	0	%100
49	MP2B	X	1.696	1.696	0	%100
50	MP2B	Z	2.937	2.937	0	%100
51	M60	X	1.408	1.408	0	%100
52	M60	Z	2.438	2.438	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	0	0	0	%100
55	M62	X	1.408	1.408	0	%100
56	M62	Z	2.438	2.438	0	%100
57	M81	X	.000284	.000284	0	%100
58	M81	Z	.000492	.000492	0	%100
59	M82	X	1.408	1.408	0	%100
60	M82	Z	2.438	2.438	0	%100
61	M83	X	1.448	1.448	0	%100
62	M83	Z	2.508	2.508	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	M1	X	0	0	0	%100
2	M1	Z	5.295	5.295	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	1.324	1.324	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	1.324	1.324	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	1.672	1.672	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	.697	.697	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	4.529	4.529	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	.791	.791	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	.806	.806	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	3.213	3.213	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	.816	.816	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	.801	.801	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	3.213	3.213	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,%]
25	M16	X	0	0	0	%100
26	M16	Z	.715	.715	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	3.392	3.392	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	Z	3.392	3.392	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	3.392	3.392	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	3.392	3.392	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	3.392	3.392	0	%100
37	MP3C	X	0	0	0	%100
38	MP3C	Z	3.392	3.392	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	3.392	3.392	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	3.392	3.392	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	3.392	3.392	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	3.392	3.392	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	3.392	3.392	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	3.392	3.392	0	%100
51	M60	X	0	0	0	%100
52	M60	Z	3.754	3.754	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	.939	.939	0	%100
55	M62	X	0	0	0	%100
56	M62	Z	.939	.939	0	%100
57	M81	X	0	0	0	%100
58	M81	Z	.993	.993	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	.912	.912	0	%100
61	M83	X	0	0	0	%100
62	M83	Z	3.808	3.808	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	M1	X	-1.986	-1.986	0	%100
2	M1	Z	3.439	3.439	0	%100
3	M2	X	-1.986	-1.986	0	%100
4	M2	Z	3.439	3.439	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.951	-1.951	0	%100
8	M4	Z	3.379	3.379	0	%100
9	M5	X	-.035	-.035	0	%100
10	M5	Z	.061	.061	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,%]
11	M6	X	-1.463	-1.463	0	%100
12	M6	Z	2.535	2.535	0	%100
13	M7	X	-3.3e-5	-3.3e-5	0	%100
14	M7	Z	5.7e-5	5.7e-5	0	%100
15	M8	X	-1.206	-1.206	0	%100
16	M8	Z	2.089	2.089	0	%100
17	M9	X	-1.204	-1.204	0	%100
18	M9	Z	2.085	2.085	0	%100
19	M10	X	-1.211	-1.211	0	%100
20	M10	Z	2.098	2.098	0	%100
21	M11	X	-1e-6	-1e-6	0	%100
22	M11	Z	2e-6	2e-6	0	%100
23	M12	X	-1.198	-1.198	0	%100
24	M12	Z	2.076	2.076	0	%100
25	M16	X	-.982	-.982	0	%100
26	M16	Z	1.702	1.702	0	%100
27	MP1A	X	-1.696	-1.696	0	%100
28	MP1A	Z	2.937	2.937	0	%100
29	MP3A	X	-1.696	-1.696	0	%100
30	MP3A	Z	2.937	2.937	0	%100
31	MP4A	X	-1.696	-1.696	0	%100
32	MP4A	Z	2.937	2.937	0	%100
33	MP2A	X	-1.696	-1.696	0	%100
34	MP2A	Z	2.937	2.937	0	%100
35	MP1C	X	-1.696	-1.696	0	%100
36	MP1C	Z	2.937	2.937	0	%100
37	MP3C	X	-1.696	-1.696	0	%100
38	MP3C	Z	2.937	2.937	0	%100
39	MP4C	X	-1.696	-1.696	0	%100
40	MP4C	Z	2.937	2.937	0	%100
41	MP2C	X	-1.696	-1.696	0	%100
42	MP2C	Z	2.937	2.937	0	%100
43	MP1B	X	-1.696	-1.696	0	%100
44	MP1B	Z	2.937	2.937	0	%100
45	MP3B	X	-1.696	-1.696	0	%100
46	MP3B	Z	2.937	2.937	0	%100
47	MP4B	X	-1.696	-1.696	0	%100
48	MP4B	Z	2.937	2.937	0	%100
49	MP2B	X	-1.696	-1.696	0	%100
50	MP2B	Z	2.937	2.937	0	%100
51	M60	X	-1.408	-1.408	0	%100
52	M60	Z	2.438	2.438	0	%100
53	M61	X	-1.408	-1.408	0	%100
54	M61	Z	2.438	2.438	0	%100
55	M62	X	0	0	0	%100
56	M62	Z	0	0	0	%100
57	M81	X	-1.448	-1.448	0	%100
58	M81	Z	2.508	2.508	0	%100
59	M82	X	-.000284	-.000284	0	%100
60	M82	Z	.000492	.000492	0	%100
61	M83	X	-1.408	-1.408	0	%100
62	M83	Z	2.438	2.438	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	M1	X	-1.146	-1.146	0	%100
2	M1	Z	.662	.662	0	%100
3	M2	X	-4.586	-4.586	0	%100
4	M2	Z	2.647	2.647	0	%100
5	M3	X	-1.146	-1.146	0	%100
6	M3	Z	.662	.662	0	%100
7	M4	X	-3.922	-3.922	0	%100
8	M4	Z	2.265	2.265	0	%100
9	M5	X	-1.448	-1.448	0	%100
10	M5	Z	.836	.836	0	%100
11	M6	X	-.604	-.604	0	%100
12	M6	Z	.349	.349	0	%100
13	M7	X	-.707	-.707	0	%100
14	M7	Z	.408	.408	0	%100
15	M8	X	-2.782	-2.782	0	%100
16	M8	Z	1.606	1.606	0	%100
17	M9	X	-.693	-.693	0	%100
18	M9	Z	.4	.4	0	%100
19	M10	X	-2.782	-2.782	0	%100
20	M10	Z	1.606	1.606	0	%100
21	M11	X	-.698	-.698	0	%100
22	M11	Z	.403	.403	0	%100
23	M12	X	-.685	-.685	0	%100
24	M12	Z	.395	.395	0	%100
25	M16	X	-2.169	-2.169	0	%100
26	M16	Z	1.252	1.252	0	%100
27	MP1A	X	-2.937	-2.937	0	%100
28	MP1A	Z	1.696	1.696	0	%100
29	MP3A	X	-2.937	-2.937	0	%100
30	MP3A	Z	1.696	1.696	0	%100
31	MP4A	X	-2.937	-2.937	0	%100
32	MP4A	Z	1.696	1.696	0	%100
33	MP2A	X	-2.937	-2.937	0	%100
34	MP2A	Z	1.696	1.696	0	%100
35	MP1C	X	-2.937	-2.937	0	%100
36	MP1C	Z	1.696	1.696	0	%100
37	MP3C	X	-2.937	-2.937	0	%100
38	MP3C	Z	1.696	1.696	0	%100
39	MP4C	X	-2.937	-2.937	0	%100
40	MP4C	Z	1.696	1.696	0	%100
41	MP2C	X	-2.937	-2.937	0	%100
42	MP2C	Z	1.696	1.696	0	%100
43	MP1B	X	-2.937	-2.937	0	%100
44	MP1B	Z	1.696	1.696	0	%100
45	MP3B	X	-2.937	-2.937	0	%100
46	MP3B	Z	1.696	1.696	0	%100
47	MP4B	X	-2.937	-2.937	0	%100
48	MP4B	Z	1.696	1.696	0	%100
49	MP2B	X	-2.937	-2.937	0	%100
50	MP2B	Z	1.696	1.696	0	%100
51	M60	X	-.813	-.813	0	%100
52	M60	Z	.469	.469	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,%]
53	M61	X	-3.251	-3.251	0	%100
54	M61	Z	1.877	1.877	0	%100
55	M62	X	-.813	-.813	0	%100
56	M62	Z	.469	.469	0	%100
57	M81	X	-3.297	-3.297	0	%100
58	M81	Z	1.904	1.904	0	%100
59	M82	X	-.86	-.86	0	%100
60	M82	Z	.496	.496	0	%100
61	M83	X	-.79	-.79	0	%100
62	M83	Z	.456	.456	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-3.971	-3.971	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-3.971	-3.971	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-2.927	-2.927	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-3.902	-3.902	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.07	-.07	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-2.422	-2.422	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-2.407	-2.407	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-3e-6	-3e-6	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-2.397	-2.397	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-2.412	-2.412	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-6.6e-5	-6.6e-5	0	%100
24	M12	Z	0	0	0	%100
25	M16	X	-1.793	-1.793	0	%100
26	M16	Z	0	0	0	%100
27	MP1A	X	-3.392	-3.392	0	%100
28	MP1A	Z	0	0	0	%100
29	MP3A	X	-3.392	-3.392	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	-3.392	-3.392	0	%100
32	MP4A	Z	0	0	0	%100
33	MP2A	X	-3.392	-3.392	0	%100
34	MP2A	Z	0	0	0	%100
35	MP1C	X	-3.392	-3.392	0	%100
36	MP1C	Z	0	0	0	%100
37	MP3C	X	-3.392	-3.392	0	%100
38	MP3C	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,%]
39	MP4C	X	-3.392	-3.392	0	%100
40	MP4C	Z	0	0	0	%100
41	MP2C	X	-3.392	-3.392	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1B	X	-3.392	-3.392	0	%100
44	MP1B	Z	0	0	0	%100
45	MP3B	X	-3.392	-3.392	0	%100
46	MP3B	Z	0	0	0	%100
47	MP4B	X	-3.392	-3.392	0	%100
48	MP4B	Z	0	0	0	%100
49	MP2B	X	-3.392	-3.392	0	%100
50	MP2B	Z	0	0	0	%100
51	M60	X	0	0	0	%100
52	M60	Z	0	0	0	%100
53	M61	X	-2.816	-2.816	0	%100
54	M61	Z	0	0	0	%100
55	M62	X	-2.816	-2.816	0	%100
56	M62	Z	0	0	0	%100
57	M81	X	-2.816	-2.816	0	%100
58	M81	Z	0	0	0	%100
59	M82	X	-2.896	-2.896	0	%100
60	M82	Z	0	0	0	%100
61	M83	X	-.000568	-.000568	0	%100
62	M83	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	M1	X	-1.146	-1.146	0	%100
2	M1	Z	-.662	-.662	0	%100
3	M2	X	-1.146	-1.146	0	%100
4	M2	Z	-.662	-.662	0	%100
5	M3	X	-4.586	-4.586	0	%100
6	M3	Z	-2.647	-2.647	0	%100
7	M4	X	-.604	-.604	0	%100
8	M4	Z	-.349	-.349	0	%100
9	M5	X	-3.922	-3.922	0	%100
10	M5	Z	-2.265	-2.265	0	%100
11	M6	X	-1.448	-1.448	0	%100
12	M6	Z	-.836	-.836	0	%100
13	M7	X	-2.782	-2.782	0	%100
14	M7	Z	-1.606	-1.606	0	%100
15	M8	X	-.693	-.693	0	%100
16	M8	Z	-.4	-.4	0	%100
17	M9	X	-.698	-.698	0	%100
18	M9	Z	-.403	-.403	0	%100
19	M10	X	-.685	-.685	0	%100
20	M10	Z	-.395	-.395	0	%100
21	M11	X	-2.782	-2.782	0	%100
22	M11	Z	-1.606	-1.606	0	%100
23	M12	X	-.707	-.707	0	%100
24	M12	Z	-.408	-.408	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,%]
25	M16	X	-.47	-.47	0	%100
26	M16	Z	-.272	-.272	0	%100
27	MP1A	X	-2.937	-2.937	0	%100
28	MP1A	Z	-1.696	-1.696	0	%100
29	MP3A	X	-2.937	-2.937	0	%100
30	MP3A	Z	-1.696	-1.696	0	%100
31	MP4A	X	-2.937	-2.937	0	%100
32	MP4A	Z	-1.696	-1.696	0	%100
33	MP2A	X	-2.937	-2.937	0	%100
34	MP2A	Z	-1.696	-1.696	0	%100
35	MP1C	X	-2.937	-2.937	0	%100
36	MP1C	Z	-1.696	-1.696	0	%100
37	MP3C	X	-2.937	-2.937	0	%100
38	MP3C	Z	-1.696	-1.696	0	%100
39	MP4C	X	-2.937	-2.937	0	%100
40	MP4C	Z	-1.696	-1.696	0	%100
41	MP2C	X	-2.937	-2.937	0	%100
42	MP2C	Z	-1.696	-1.696	0	%100
43	MP1B	X	-2.937	-2.937	0	%100
44	MP1B	Z	-1.696	-1.696	0	%100
45	MP3B	X	-2.937	-2.937	0	%100
46	MP3B	Z	-1.696	-1.696	0	%100
47	MP4B	X	-2.937	-2.937	0	%100
48	MP4B	Z	-1.696	-1.696	0	%100
49	MP2B	X	-2.937	-2.937	0	%100
50	MP2B	Z	-1.696	-1.696	0	%100
51	M60	X	-.813	-.813	0	%100
52	M60	Z	-.469	-.469	0	%100
53	M61	X	-.813	-.813	0	%100
54	M61	Z	-.469	-.469	0	%100
55	M62	X	-3.251	-3.251	0	%100
56	M62	Z	-1.877	-1.877	0	%100
57	M81	X	-.79	-.79	0	%100
58	M81	Z	-.456	-.456	0	%100
59	M82	X	-3.297	-3.297	0	%100
60	M82	Z	-1.904	-1.904	0	%100
61	M83	X	-.86	-.86	0	%100
62	M83	Z	-.496	-.496	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	M1	X	-1.986	-1.986	0	%100
2	M1	Z	-3.439	-3.439	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-1.986	-1.986	0	%100
6	M3	Z	-3.439	-3.439	0	%100
7	M4	X	-.035	-.035	0	%100
8	M4	Z	-.061	-.061	0	%100
9	M5	X	-1.463	-1.463	0	%100
10	M5	Z	-2.535	-2.535	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,%]
11	M6	X	-1.951	-1.951	0	%100
12	M6	Z	-3.379	-3.379	0	%100
13	M7	X	-1.198	-1.198	0	%100
14	M7	Z	-2.076	-2.076	0	%100
15	M8	X	-1e-6	-1e-6	0	%100
16	M8	Z	-2e-6	-2e-6	0	%100
17	M9	X	-1.206	-1.206	0	%100
18	M9	Z	-2.089	-2.089	0	%100
19	M10	X	-3.3e-5	-3.3e-5	0	%100
20	M10	Z	-5.7e-5	-5.7e-5	0	%100
21	M11	X	-1.204	-1.204	0	%100
22	M11	Z	-2.085	-2.085	0	%100
23	M12	X	-1.211	-1.211	0	%100
24	M12	Z	-2.098	-2.098	0	%100
25	M16	X	-.002	-.002	0	%100
26	M16	Z	-.003	-.003	0	%100
27	MP1A	X	-1.696	-1.696	0	%100
28	MP1A	Z	-2.937	-2.937	0	%100
29	MP3A	X	-1.696	-1.696	0	%100
30	MP3A	Z	-2.937	-2.937	0	%100
31	MP4A	X	-1.696	-1.696	0	%100
32	MP4A	Z	-2.937	-2.937	0	%100
33	MP2A	X	-1.696	-1.696	0	%100
34	MP2A	Z	-2.937	-2.937	0	%100
35	MP1C	X	-1.696	-1.696	0	%100
36	MP1C	Z	-2.937	-2.937	0	%100
37	MP3C	X	-1.696	-1.696	0	%100
38	MP3C	Z	-2.937	-2.937	0	%100
39	MP4C	X	-1.696	-1.696	0	%100
40	MP4C	Z	-2.937	-2.937	0	%100
41	MP2C	X	-1.696	-1.696	0	%100
42	MP2C	Z	-2.937	-2.937	0	%100
43	MP1B	X	-1.696	-1.696	0	%100
44	MP1B	Z	-2.937	-2.937	0	%100
45	MP3B	X	-1.696	-1.696	0	%100
46	MP3B	Z	-2.937	-2.937	0	%100
47	MP4B	X	-1.696	-1.696	0	%100
48	MP4B	Z	-2.937	-2.937	0	%100
49	MP2B	X	-1.696	-1.696	0	%100
50	MP2B	Z	-2.937	-2.937	0	%100
51	M60	X	-1.408	-1.408	0	%100
52	M60	Z	-2.438	-2.438	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	0	0	0	%100
55	M62	X	-1.408	-1.408	0	%100
56	M62	Z	-2.438	-2.438	0	%100
57	M81	X	-.000284	-.000284	0	%100
58	M81	Z	-.000492	-.000492	0	%100
59	M82	X	-1.408	-1.408	0	%100
60	M82	Z	-2.438	-2.438	0	%100
61	M83	X	-1.448	-1.448	0	%100
62	M83	Z	-2.508	-2.508	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	M1	X	0	0	0	%100
2	M1	Z	-1.305	-1.305	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.326	-.326	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.326	-.326	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.474	-.474	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-.198	-.198	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-1.285	-1.285	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-.161	-.161	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-.164	-.164	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-.655	-.655	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-.166	-.166	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-.163	-.163	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-.655	-.655	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	-.155	-.155	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	-.62	-.62	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	Z	-.62	-.62	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	-.62	-.62	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-.62	-.62	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	-.62	-.62	0	%100
37	MP3C	X	0	0	0	%100
38	MP3C	Z	-.62	-.62	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	-.62	-.62	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-.62	-.62	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-.62	-.62	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	-.62	-.62	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	-.62	-.62	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	-.62	-.62	0	%100
51	M60	X	0	0	0	%100
52	M60	Z	-.75	-.75	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,%]
53	M61	X	0	0	0	%100
54	M61	Z	-.188	-.188	0	%100
55	M62	X	0	0	0	%100
56	M62	Z	-.188	-.188	0	%100
57	M81	X	0	0	0	%100
58	M81	Z	-.243	-.243	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	-.224	-.224	0	%100
61	M83	X	0	0	0	%100
62	M83	Z	-.933	-.933	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	M1	X	.489	.489	0	%100
2	M1	Z	-.848	-.848	0	%100
3	M2	X	.489	.489	0	%100
4	M2	Z	-.848	-.848	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.554	.554	0	%100
8	M4	Z	-.959	-.959	0	%100
9	M5	X	.01	.01	0	%100
10	M5	Z	-.017	-.017	0	%100
11	M6	X	.415	.415	0	%100
12	M6	Z	-.719	-.719	0	%100
13	M7	X	7e-6	7e-6	0	%100
14	M7	Z	-1.2e-5	-1.2e-5	0	%100
15	M8	X	.246	.246	0	%100
16	M8	Z	-.426	-.426	0	%100
17	M9	X	.245	.245	0	%100
18	M9	Z	-.425	-.425	0	%100
19	M10	X	.247	.247	0	%100
20	M10	Z	-.428	-.428	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	.244	.244	0	%100
24	M12	Z	-.423	-.423	0	%100
25	M16	X	.213	.213	0	%100
26	M16	Z	-.369	-.369	0	%100
27	MP1A	X	.31	.31	0	%100
28	MP1A	Z	-.537	-.537	0	%100
29	MP3A	X	.31	.31	0	%100
30	MP3A	Z	-.537	-.537	0	%100
31	MP4A	X	.31	.31	0	%100
32	MP4A	Z	-.537	-.537	0	%100
33	MP2A	X	.31	.31	0	%100
34	MP2A	Z	-.537	-.537	0	%100
35	MP1C	X	.31	.31	0	%100
36	MP1C	Z	-.537	-.537	0	%100
37	MP3C	X	.31	.31	0	%100
38	MP3C	Z	-.537	-.537	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,%]
39	MP4C	X	.31	.31	0	%100
40	MP4C	Z	-.537	-.537	0	%100
41	MP2C	X	.31	.31	0	%100
42	MP2C	Z	-.537	-.537	0	%100
43	MP1B	X	.31	.31	0	%100
44	MP1B	Z	-.537	-.537	0	%100
45	MP3B	X	.31	.31	0	%100
46	MP3B	Z	-.537	-.537	0	%100
47	MP4B	X	.31	.31	0	%100
48	MP4B	Z	-.537	-.537	0	%100
49	MP2B	X	.31	.31	0	%100
50	MP2B	Z	-.537	-.537	0	%100
51	M60	X	.281	.281	0	%100
52	M60	Z	-.487	-.487	0	%100
53	M61	X	.281	.281	0	%100
54	M61	Z	-.487	-.487	0	%100
55	M62	X	0	0	0	%100
56	M62	Z	0	0	0	%100
57	M81	X	.355	.355	0	%100
58	M81	Z	-.615	-.615	0	%100
59	M82	X	7e-5	7e-5	0	%100
60	M82	Z	-.000121	-.000121	0	%100
61	M83	X	.345	.345	0	%100
62	M83	Z	-.598	-.598	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	M1	X	.283	.283	0	%100
2	M1	Z	-.163	-.163	0	%100
3	M2	X	1.13	1.13	0	%100
4	M2	Z	-.652	-.652	0	%100
5	M3	X	.283	.283	0	%100
6	M3	Z	-.163	-.163	0	%100
7	M4	X	1.113	1.113	0	%100
8	M4	Z	-.643	-.643	0	%100
9	M5	X	.411	.411	0	%100
10	M5	Z	-.237	-.237	0	%100
11	M6	X	.171	.171	0	%100
12	M6	Z	-.099	-.099	0	%100
13	M7	X	.144	.144	0	%100
14	M7	Z	-.083	-.083	0	%100
15	M8	X	.567	.567	0	%100
16	M8	Z	-.327	-.327	0	%100
17	M9	X	.141	.141	0	%100
18	M9	Z	-.082	-.082	0	%100
19	M10	X	.567	.567	0	%100
20	M10	Z	-.327	-.327	0	%100
21	M11	X	.142	.142	0	%100
22	M11	Z	-.082	-.082	0	%100
23	M12	X	.14	.14	0	%100
24	M12	Z	-.081	-.081	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,%]
25	M16	X	.471	.471	0	%100
26	M16	Z	-.272	-.272	0	%100
27	MP1A	X	.537	.537	0	%100
28	MP1A	Z	-.31	-.31	0	%100
29	MP3A	X	.537	.537	0	%100
30	MP3A	Z	-.31	-.31	0	%100
31	MP4A	X	.537	.537	0	%100
32	MP4A	Z	-.31	-.31	0	%100
33	MP2A	X	.537	.537	0	%100
34	MP2A	Z	-.31	-.31	0	%100
35	MP1C	X	.537	.537	0	%100
36	MP1C	Z	-.31	-.31	0	%100
37	MP3C	X	.537	.537	0	%100
38	MP3C	Z	-.31	-.31	0	%100
39	MP4C	X	.537	.537	0	%100
40	MP4C	Z	-.31	-.31	0	%100
41	MP2C	X	.537	.537	0	%100
42	MP2C	Z	-.31	-.31	0	%100
43	MP1B	X	.537	.537	0	%100
44	MP1B	Z	-.31	-.31	0	%100
45	MP3B	X	.537	.537	0	%100
46	MP3B	Z	-.31	-.31	0	%100
47	MP4B	X	.537	.537	0	%100
48	MP4B	Z	-.31	-.31	0	%100
49	MP2B	X	.537	.537	0	%100
50	MP2B	Z	-.31	-.31	0	%100
51	M60	X	.162	.162	0	%100
52	M60	Z	-.094	-.094	0	%100
53	M61	X	.65	.65	0	%100
54	M61	Z	-.375	-.375	0	%100
55	M62	X	.162	.162	0	%100
56	M62	Z	-.094	-.094	0	%100
57	M81	X	.808	.808	0	%100
58	M81	Z	-.467	-.467	0	%100
59	M82	X	.211	.211	0	%100
60	M82	Z	-.122	-.122	0	%100
61	M83	X	.194	.194	0	%100
62	M83	Z	-.112	-.112	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.979	.979	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.979	.979	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.831	.831	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	1.107	1.107	0	%100
10	M5	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,%]
11	M6	X	.02	.02	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	.494	.494	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	.491	.491	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	1e-6	1e-6	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	.489	.489	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	.492	.492	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	1.3e-5	1.3e-5	0	%100
24	M12	Z	0	0	0	%100
25	M16	X	.389	.389	0	%100
26	M16	Z	0	0	0	%100
27	MP1A	X	.62	.62	0	%100
28	MP1A	Z	0	0	0	%100
29	MP3A	X	.62	.62	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	.62	.62	0	%100
32	MP4A	Z	0	0	0	%100
33	MP2A	X	.62	.62	0	%100
34	MP2A	Z	0	0	0	%100
35	MP1C	X	.62	.62	0	%100
36	MP1C	Z	0	0	0	%100
37	MP3C	X	.62	.62	0	%100
38	MP3C	Z	0	0	0	%100
39	MP4C	X	.62	.62	0	%100
40	MP4C	Z	0	0	0	%100
41	MP2C	X	.62	.62	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1B	X	.62	.62	0	%100
44	MP1B	Z	0	0	0	%100
45	MP3B	X	.62	.62	0	%100
46	MP3B	Z	0	0	0	%100
47	MP4B	X	.62	.62	0	%100
48	MP4B	Z	0	0	0	%100
49	MP2B	X	.62	.62	0	%100
50	MP2B	Z	0	0	0	%100
51	M60	X	0	0	0	%100
52	M60	Z	0	0	0	%100
53	M61	X	.563	.563	0	%100
54	M61	Z	0	0	0	%100
55	M62	X	.563	.563	0	%100
56	M62	Z	0	0	0	%100
57	M81	X	.69	.69	0	%100
58	M81	Z	0	0	0	%100
59	M82	X	.71	.71	0	%100
60	M82	Z	0	0	0	%100
61	M83	X	.000139	.000139	0	%100
62	M83	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	M1	X	.283	.283	0	%100
2	M1	Z	.163	.163	0	%100
3	M2	X	.283	.283	0	%100
4	M2	Z	.163	.163	0	%100
5	M3	X	1.13	1.13	0	%100
6	M3	Z	.652	.652	0	%100
7	M4	X	.171	.171	0	%100
8	M4	Z	.099	.099	0	%100
9	M5	X	1.113	1.113	0	%100
10	M5	Z	.643	.643	0	%100
11	M6	X	.411	.411	0	%100
12	M6	Z	.237	.237	0	%100
13	M7	X	.567	.567	0	%100
14	M7	Z	.327	.327	0	%100
15	M8	X	.141	.141	0	%100
16	M8	Z	.082	.082	0	%100
17	M9	X	.142	.142	0	%100
18	M9	Z	.082	.082	0	%100
19	M10	X	.14	.14	0	%100
20	M10	Z	.081	.081	0	%100
21	M11	X	.567	.567	0	%100
22	M11	Z	.327	.327	0	%100
23	M12	X	.144	.144	0	%100
24	M12	Z	.083	.083	0	%100
25	M16	X	.102	.102	0	%100
26	M16	Z	.059	.059	0	%100
27	MP1A	X	.537	.537	0	%100
28	MP1A	Z	.31	.31	0	%100
29	MP3A	X	.537	.537	0	%100
30	MP3A	Z	.31	.31	0	%100
31	MP4A	X	.537	.537	0	%100
32	MP4A	Z	.31	.31	0	%100
33	MP2A	X	.537	.537	0	%100
34	MP2A	Z	.31	.31	0	%100
35	MP1C	X	.537	.537	0	%100
36	MP1C	Z	.31	.31	0	%100
37	MP3C	X	.537	.537	0	%100
38	MP3C	Z	.31	.31	0	%100
39	MP4C	X	.537	.537	0	%100
40	MP4C	Z	.31	.31	0	%100
41	MP2C	X	.537	.537	0	%100
42	MP2C	Z	.31	.31	0	%100
43	MP1B	X	.537	.537	0	%100
44	MP1B	Z	.31	.31	0	%100
45	MP3B	X	.537	.537	0	%100
46	MP3B	Z	.31	.31	0	%100
47	MP4B	X	.537	.537	0	%100
48	MP4B	Z	.31	.31	0	%100
49	MP2B	X	.537	.537	0	%100
50	MP2B	Z	.31	.31	0	%100
51	M60	X	.162	.162	0	%100
52	M60	Z	.094	.094	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,%]
53	M61	X	.162	.162	0	%100
54	M61	Z	.094	.094	0	%100
55	M62	X	.65	.65	0	%100
56	M62	Z	.375	.375	0	%100
57	M81	X	.194	.194	0	%100
58	M81	Z	.112	.112	0	%100
59	M82	X	.808	.808	0	%100
60	M82	Z	.467	.467	0	%100
61	M83	X	.211	.211	0	%100
62	M83	Z	.122	.122	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	M1	X	.489	.489	0	%100
2	M1	Z	.848	.848	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.489	.489	0	%100
6	M3	Z	.848	.848	0	%100
7	M4	X	.01	.01	0	%100
8	M4	Z	.017	.017	0	%100
9	M5	X	.415	.415	0	%100
10	M5	Z	.719	.719	0	%100
11	M6	X	.554	.554	0	%100
12	M6	Z	.959	.959	0	%100
13	M7	X	.244	.244	0	%100
14	M7	Z	.423	.423	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	.246	.246	0	%100
18	M9	Z	.426	.426	0	%100
19	M10	X	7e-6	7e-6	0	%100
20	M10	Z	1.2e-5	1.2e-5	0	%100
21	M11	X	.245	.245	0	%100
22	M11	Z	.425	.425	0	%100
23	M12	X	.247	.247	0	%100
24	M12	Z	.428	.428	0	%100
25	M16	X	.000425	.000425	0	%100
26	M16	Z	.000736	.000736	0	%100
27	MP1A	X	.31	.31	0	%100
28	MP1A	Z	.537	.537	0	%100
29	MP3A	X	.31	.31	0	%100
30	MP3A	Z	.537	.537	0	%100
31	MP4A	X	.31	.31	0	%100
32	MP4A	Z	.537	.537	0	%100
33	MP2A	X	.31	.31	0	%100
34	MP2A	Z	.537	.537	0	%100
35	MP1C	X	.31	.31	0	%100
36	MP1C	Z	.537	.537	0	%100
37	MP3C	X	.31	.31	0	%100
38	MP3C	Z	.537	.537	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,%]
39	MP4C	X	.31	.31	0	%100
40	MP4C	Z	.537	.537	0	%100
41	MP2C	X	.31	.31	0	%100
42	MP2C	Z	.537	.537	0	%100
43	MP1B	X	.31	.31	0	%100
44	MP1B	Z	.537	.537	0	%100
45	MP3B	X	.31	.31	0	%100
46	MP3B	Z	.537	.537	0	%100
47	MP4B	X	.31	.31	0	%100
48	MP4B	Z	.537	.537	0	%100
49	MP2B	X	.31	.31	0	%100
50	MP2B	Z	.537	.537	0	%100
51	M60	X	.281	.281	0	%100
52	M60	Z	.487	.487	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	0	0	0	%100
55	M62	X	.281	.281	0	%100
56	M62	Z	.487	.487	0	%100
57	M81	X	7e-5	7e-5	0	%100
58	M81	Z	.000121	.000121	0	%100
59	M82	X	.345	.345	0	%100
60	M82	Z	.598	.598	0	%100
61	M83	X	.355	.355	0	%100
62	M83	Z	.615	.615	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	M1	X	0	0	0	%100
2	M1	Z	1.305	1.305	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.326	.326	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.326	.326	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.474	.474	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	.198	.198	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	1.285	1.285	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	.161	.161	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	.164	.164	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	.655	.655	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	.166	.166	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	.163	.163	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	.655	.655	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,%]
25	M16	X	0	0	0	%100
26	M16	Z	.155	.155	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	.62	.62	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	Z	.62	.62	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	.62	.62	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	.62	.62	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	.62	.62	0	%100
37	MP3C	X	0	0	0	%100
38	MP3C	Z	.62	.62	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	.62	.62	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	.62	.62	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	.62	.62	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	.62	.62	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	.62	.62	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	.62	.62	0	%100
51	M60	X	0	0	0	%100
52	M60	Z	.75	.75	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	.188	.188	0	%100
55	M62	X	0	0	0	%100
56	M62	Z	.188	.188	0	%100
57	M81	X	0	0	0	%100
58	M81	Z	.243	.243	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	.224	.224	0	%100
61	M83	X	0	0	0	%100
62	M83	Z	.933	.933	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	M1	X	-.489	-.489	0	%100
2	M1	Z	.848	.848	0	%100
3	M2	X	-.489	-.489	0	%100
4	M2	Z	.848	.848	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.554	-.554	0	%100
8	M4	Z	.959	.959	0	%100
9	M5	X	-.01	-.01	0	%100
10	M5	Z	.017	.017	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,%]
11	M6	X	-.415	-.415	0	%100
12	M6	Z	.719	.719	0	%100
13	M7	X	-7e-6	-7e-6	0	%100
14	M7	Z	1.2e-5	1.2e-5	0	%100
15	M8	X	-.246	-.246	0	%100
16	M8	Z	.426	.426	0	%100
17	M9	X	-.245	-.245	0	%100
18	M9	Z	.425	.425	0	%100
19	M10	X	-.247	-.247	0	%100
20	M10	Z	.428	.428	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-.244	-.244	0	%100
24	M12	Z	.423	.423	0	%100
25	M16	X	-.213	-.213	0	%100
26	M16	Z	.369	.369	0	%100
27	MP1A	X	-.31	-.31	0	%100
28	MP1A	Z	.537	.537	0	%100
29	MP3A	X	-.31	-.31	0	%100
30	MP3A	Z	.537	.537	0	%100
31	MP4A	X	-.31	-.31	0	%100
32	MP4A	Z	.537	.537	0	%100
33	MP2A	X	-.31	-.31	0	%100
34	MP2A	Z	.537	.537	0	%100
35	MP1C	X	-.31	-.31	0	%100
36	MP1C	Z	.537	.537	0	%100
37	MP3C	X	-.31	-.31	0	%100
38	MP3C	Z	.537	.537	0	%100
39	MP4C	X	-.31	-.31	0	%100
40	MP4C	Z	.537	.537	0	%100
41	MP2C	X	-.31	-.31	0	%100
42	MP2C	Z	.537	.537	0	%100
43	MP1B	X	-.31	-.31	0	%100
44	MP1B	Z	.537	.537	0	%100
45	MP3B	X	-.31	-.31	0	%100
46	MP3B	Z	.537	.537	0	%100
47	MP4B	X	-.31	-.31	0	%100
48	MP4B	Z	.537	.537	0	%100
49	MP2B	X	-.31	-.31	0	%100
50	MP2B	Z	.537	.537	0	%100
51	M60	X	-.281	-.281	0	%100
52	M60	Z	.487	.487	0	%100
53	M61	X	-.281	-.281	0	%100
54	M61	Z	.487	.487	0	%100
55	M62	X	0	0	0	%100
56	M62	Z	0	0	0	%100
57	M81	X	-.355	-.355	0	%100
58	M81	Z	.615	.615	0	%100
59	M82	X	-7e-5	-7e-5	0	%100
60	M82	Z	.000121	.000121	0	%100
61	M83	X	-.345	-.345	0	%100
62	M83	Z	.598	.598	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	M1	X	-.283	-.283	0	%100
2	M1	Z	.163	.163	0	%100
3	M2	X	-1.13	-1.13	0	%100
4	M2	Z	.652	.652	0	%100
5	M3	X	-.283	-.283	0	%100
6	M3	Z	.163	.163	0	%100
7	M4	X	-1.113	-1.113	0	%100
8	M4	Z	.643	.643	0	%100
9	M5	X	-.411	-.411	0	%100
10	M5	Z	.237	.237	0	%100
11	M6	X	-.171	-.171	0	%100
12	M6	Z	.099	.099	0	%100
13	M7	X	-.144	-.144	0	%100
14	M7	Z	.083	.083	0	%100
15	M8	X	-.567	-.567	0	%100
16	M8	Z	.327	.327	0	%100
17	M9	X	-.141	-.141	0	%100
18	M9	Z	.082	.082	0	%100
19	M10	X	-.567	-.567	0	%100
20	M10	Z	.327	.327	0	%100
21	M11	X	-.142	-.142	0	%100
22	M11	Z	.082	.082	0	%100
23	M12	X	-.14	-.14	0	%100
24	M12	Z	.081	.081	0	%100
25	M16	X	-.471	-.471	0	%100
26	M16	Z	.272	.272	0	%100
27	MP1A	X	-.537	-.537	0	%100
28	MP1A	Z	.31	.31	0	%100
29	MP3A	X	-.537	-.537	0	%100
30	MP3A	Z	.31	.31	0	%100
31	MP4A	X	-.537	-.537	0	%100
32	MP4A	Z	.31	.31	0	%100
33	MP2A	X	-.537	-.537	0	%100
34	MP2A	Z	.31	.31	0	%100
35	MP1C	X	-.537	-.537	0	%100
36	MP1C	Z	.31	.31	0	%100
37	MP3C	X	-.537	-.537	0	%100
38	MP3C	Z	.31	.31	0	%100
39	MP4C	X	-.537	-.537	0	%100
40	MP4C	Z	.31	.31	0	%100
41	MP2C	X	-.537	-.537	0	%100
42	MP2C	Z	.31	.31	0	%100
43	MP1B	X	-.537	-.537	0	%100
44	MP1B	Z	.31	.31	0	%100
45	MP3B	X	-.537	-.537	0	%100
46	MP3B	Z	.31	.31	0	%100
47	MP4B	X	-.537	-.537	0	%100
48	MP4B	Z	.31	.31	0	%100
49	MP2B	X	-.537	-.537	0	%100
50	MP2B	Z	.31	.31	0	%100
51	M60	X	-.162	-.162	0	%100
52	M60	Z	.094	.094	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,%]
53	M61	X	-.65	-.65	0	%100
54	M61	Z	.375	.375	0	%100
55	M62	X	-.162	-.162	0	%100
56	M62	Z	.094	.094	0	%100
57	M81	X	-.808	-.808	0	%100
58	M81	Z	.467	.467	0	%100
59	M82	X	-.211	-.211	0	%100
60	M82	Z	.122	.122	0	%100
61	M83	X	-.194	-.194	0	%100
62	M83	Z	.112	.112	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.979	-.979	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.979	-.979	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.831	-.831	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-1.107	-1.107	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.02	-.02	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-.494	-.494	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-.491	-.491	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-1e-6	-1e-6	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-.489	-.489	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-.492	-.492	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-1.3e-5	-1.3e-5	0	%100
24	M12	Z	0	0	0	%100
25	M16	X	-.389	-.389	0	%100
26	M16	Z	0	0	0	%100
27	MP1A	X	-.62	-.62	0	%100
28	MP1A	Z	0	0	0	%100
29	MP3A	X	-.62	-.62	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	-.62	-.62	0	%100
32	MP4A	Z	0	0	0	%100
33	MP2A	X	-.62	-.62	0	%100
34	MP2A	Z	0	0	0	%100
35	MP1C	X	-.62	-.62	0	%100
36	MP1C	Z	0	0	0	%100
37	MP3C	X	-.62	-.62	0	%100
38	MP3C	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,%]
39	MP4C	X	-.62	-.62	0	%100
40	MP4C	Z	0	0	0	%100
41	MP2C	X	-.62	-.62	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1B	X	-.62	-.62	0	%100
44	MP1B	Z	0	0	0	%100
45	MP3B	X	-.62	-.62	0	%100
46	MP3B	Z	0	0	0	%100
47	MP4B	X	-.62	-.62	0	%100
48	MP4B	Z	0	0	0	%100
49	MP2B	X	-.62	-.62	0	%100
50	MP2B	Z	0	0	0	%100
51	M60	X	0	0	0	%100
52	M60	Z	0	0	0	%100
53	M61	X	-.563	-.563	0	%100
54	M61	Z	0	0	0	%100
55	M62	X	-.563	-.563	0	%100
56	M62	Z	0	0	0	%100
57	M81	X	-.69	-.69	0	%100
58	M81	Z	0	0	0	%100
59	M82	X	-.71	-.71	0	%100
60	M82	Z	0	0	0	%100
61	M83	X	-.000139	-.000139	0	%100
62	M83	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	M1	X	-.283	-.283	0	%100
2	M1	Z	-.163	-.163	0	%100
3	M2	X	-.283	-.283	0	%100
4	M2	Z	-.163	-.163	0	%100
5	M3	X	-1.13	-1.13	0	%100
6	M3	Z	-.652	-.652	0	%100
7	M4	X	-.171	-.171	0	%100
8	M4	Z	-.099	-.099	0	%100
9	M5	X	-1.113	-1.113	0	%100
10	M5	Z	-.643	-.643	0	%100
11	M6	X	-.411	-.411	0	%100
12	M6	Z	-.237	-.237	0	%100
13	M7	X	-.567	-.567	0	%100
14	M7	Z	-.327	-.327	0	%100
15	M8	X	-.141	-.141	0	%100
16	M8	Z	-.082	-.082	0	%100
17	M9	X	-.142	-.142	0	%100
18	M9	Z	-.082	-.082	0	%100
19	M10	X	-.14	-.14	0	%100
20	M10	Z	-.081	-.081	0	%100
21	M11	X	-.567	-.567	0	%100
22	M11	Z	-.327	-.327	0	%100
23	M12	X	-.144	-.144	0	%100
24	M12	Z	-.083	-.083	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,%]
25	M16	X	-.102	-.102	0	%100
26	M16	Z	-.059	-.059	0	%100
27	MP1A	X	-.537	-.537	0	%100
28	MP1A	Z	-.31	-.31	0	%100
29	MP3A	X	-.537	-.537	0	%100
30	MP3A	Z	-.31	-.31	0	%100
31	MP4A	X	-.537	-.537	0	%100
32	MP4A	Z	-.31	-.31	0	%100
33	MP2A	X	-.537	-.537	0	%100
34	MP2A	Z	-.31	-.31	0	%100
35	MP1C	X	-.537	-.537	0	%100
36	MP1C	Z	-.31	-.31	0	%100
37	MP3C	X	-.537	-.537	0	%100
38	MP3C	Z	-.31	-.31	0	%100
39	MP4C	X	-.537	-.537	0	%100
40	MP4C	Z	-.31	-.31	0	%100
41	MP2C	X	-.537	-.537	0	%100
42	MP2C	Z	-.31	-.31	0	%100
43	MP1B	X	-.537	-.537	0	%100
44	MP1B	Z	-.31	-.31	0	%100
45	MP3B	X	-.537	-.537	0	%100
46	MP3B	Z	-.31	-.31	0	%100
47	MP4B	X	-.537	-.537	0	%100
48	MP4B	Z	-.31	-.31	0	%100
49	MP2B	X	-.537	-.537	0	%100
50	MP2B	Z	-.31	-.31	0	%100
51	M60	X	-.162	-.162	0	%100
52	M60	Z	-.094	-.094	0	%100
53	M61	X	-.162	-.162	0	%100
54	M61	Z	-.094	-.094	0	%100
55	M62	X	-.65	-.65	0	%100
56	M62	Z	-.375	-.375	0	%100
57	M81	X	-.194	-.194	0	%100
58	M81	Z	-.112	-.112	0	%100
59	M82	X	-.808	-.808	0	%100
60	M82	Z	-.467	-.467	0	%100
61	M83	X	-.211	-.211	0	%100
62	M83	Z	-.122	-.122	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	M1	X	-.489	-.489	0	%100
2	M1	Z	-.848	-.848	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.489	-.489	0	%100
6	M3	Z	-.848	-.848	0	%100
7	M4	X	-.01	-.01	0	%100
8	M4	Z	-.017	-.017	0	%100
9	M5	X	-.415	-.415	0	%100
10	M5	Z	-.719	-.719	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,%]
11	M6	X	-.554	-.554	0	%100
12	M6	Z	-.959	-.959	0	%100
13	M7	X	-.244	-.244	0	%100
14	M7	Z	-.423	-.423	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-.246	-.246	0	%100
18	M9	Z	-.426	-.426	0	%100
19	M10	X	-7e-6	-7e-6	0	%100
20	M10	Z	-1.2e-5	-1.2e-5	0	%100
21	M11	X	-.245	-.245	0	%100
22	M11	Z	-.425	-.425	0	%100
23	M12	X	-.247	-.247	0	%100
24	M12	Z	-.428	-.428	0	%100
25	M16	X	-.000425	-.000425	0	%100
26	M16	Z	-.000736	-.000736	0	%100
27	MP1A	X	-.31	-.31	0	%100
28	MP1A	Z	-.537	-.537	0	%100
29	MP3A	X	-.31	-.31	0	%100
30	MP3A	Z	-.537	-.537	0	%100
31	MP4A	X	-.31	-.31	0	%100
32	MP4A	Z	-.537	-.537	0	%100
33	MP2A	X	-.31	-.31	0	%100
34	MP2A	Z	-.537	-.537	0	%100
35	MP1C	X	-.31	-.31	0	%100
36	MP1C	Z	-.537	-.537	0	%100
37	MP3C	X	-.31	-.31	0	%100
38	MP3C	Z	-.537	-.537	0	%100
39	MP4C	X	-.31	-.31	0	%100
40	MP4C	Z	-.537	-.537	0	%100
41	MP2C	X	-.31	-.31	0	%100
42	MP2C	Z	-.537	-.537	0	%100
43	MP1B	X	-.31	-.31	0	%100
44	MP1B	Z	-.537	-.537	0	%100
45	MP3B	X	-.31	-.31	0	%100
46	MP3B	Z	-.537	-.537	0	%100
47	MP4B	X	-.31	-.31	0	%100
48	MP4B	Z	-.537	-.537	0	%100
49	MP2B	X	-.31	-.31	0	%100
50	MP2B	Z	-.537	-.537	0	%100
51	M60	X	-.281	-.281	0	%100
52	M60	Z	-.487	-.487	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	0	0	0	%100
55	M62	X	-.281	-.281	0	%100
56	M62	Z	-.487	-.487	0	%100
57	M81	X	-7e-5	-7e-5	0	%100
58	M81	Z	-.000121	-.000121	0	%100
59	M82	X	-.345	-.345	0	%100
60	M82	Z	-.598	-.598	0	%100
61	M83	X	-.355	-.355	0	%100
62	M83	Z	-.615	-.615	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	M1	Y	-.102	-2.077	7.75	8.783
2	M1	Y	-2.077	-6.56	8.783	9.817
3	M1	Y	-6.56	-7.642	9.817	10.85
4	M1	Y	-7.642	-3.67	10.85	11.883
5	M1	Y	-3.67	-.102	11.883	12.917
6	M3	Y	-.594	-4.37	0	1.033
7	M3	Y	-4.37	-7.771	1.033	2.067
8	M3	Y	-7.771	-6.733	2.067	3.1
9	M3	Y	-6.733	-2.186	3.1	4.133
10	M3	Y	-2.186	-.189	4.133	5.167
11	M16	Y	-1.227	-1.227	0	.612
12	M7	Y	-12.584	-1.227	.308	2.775
13	M9	Y	-4.11	-6.03	0	1.542
14	M9	Y	-6.03	-7.95	1.542	3.083
15	M3	Y	-4.739	-4.739	5.35	7.258
16	M9	Y	-4.881	-4.739	0	3.083
17	M10	Y	-4.76	-4.76	.268	2.714
18	M10	Y	-9.08	-4.76	.308	2.775
19	M11	Y	-4.144	-6.053	0	1.542
20	M11	Y	-6.053	-7.963	1.542	3.083
21	M2	Y	-.594	-4.37	0	1.033
22	M2	Y	-4.37	-7.771	1.033	2.067
23	M2	Y	-7.771	-6.733	2.067	3.1
24	M2	Y	-6.733	-2.186	3.1	4.133
25	M2	Y	-2.186	-.189	4.133	5.167
26	M3	Y	-.175	-2.149	7.75	8.783
27	M3	Y	-2.149	-6.632	8.783	9.817
28	M3	Y	-6.632	-7.714	9.817	10.85
29	M3	Y	-7.714	-4.106	10.85	11.883
30	M3	Y	-4.106	-.175	11.883	12.917
31	M2	Y	-4.736	-4.736	5.662	7.57
32	M11	Y	-4.746	-4.746	.27	2.718
33	M12	Y	-4.876	-4.746	0	3.083
34	M8	Y	-9.063	-4.746	.308	2.775
35	M12	Y	-4.11	-6.031	0	1.542
36	M12	Y	-6.031	-7.952	1.542	3.083
37	M1	Y	-.594	-4.37	0	1.033
38	M1	Y	-4.37	-7.771	1.033	2.067
39	M1	Y	-7.771	-6.733	2.067	3.1
40	M1	Y	-6.733	-2.186	3.1	4.133
41	M1	Y	-2.186	-.189	4.133	5.167
42	M2	Y	-.175	-2.149	7.75	8.783
43	M2	Y	-2.149	-6.632	8.783	9.817
44	M2	Y	-6.632	-7.714	9.817	10.85
45	M2	Y	-7.714	-4.106	10.85	11.883
46	M2	Y	-4.106	-.175	11.883	12.917
47	M1	Y	-4.746	-4.746	5.351	7.26
48	M7	Y	-4.75	-4.75	.267	2.708
49	M8	Y	-4.901	-4.75	0	3.083

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,%]

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,%]
1	M1	Y	-.315	-6.389	7.75	8.783
2	M1	Y	-6.389	-20.184	8.783	9.817
3	M1	Y	-20.184	-23.513	9.817	10.85
4	M1	Y	-23.513	-11.292	10.85	11.883
5	M1	Y	-11.292	-.315	11.883	12.917
6	M3	Y	-1.827	-13.447	0	1.033
7	M3	Y	-13.447	-23.91	1.033	2.067
8	M3	Y	-23.91	-20.717	2.067	3.1
9	M3	Y	-20.717	-6.727	3.1	4.133
10	M3	Y	-6.727	-.581	4.133	5.167
11	M16	Y	-3.776	-3.776	0	.612
12	M7	Y	-38.719	-3.776	.308	2.775
13	M9	Y	-12.647	-18.554	0	1.542
14	M9	Y	-18.554	-24.46	1.542	3.083
15	M3	Y	-14.583	-14.583	5.35	7.258
16	M9	Y	-15.017	-14.583	0	3.083
17	M10	Y	-14.646	-14.646	.268	2.714
18	M10	Y	-27.934	-14.646	.308	2.775
19	M11	Y	-12.749	-18.628	0	1.542
20	M11	Y	-18.628	-24.506	1.542	3.083
21	M2	Y	-1.831	-13.451	0	1.033
22	M2	Y	-13.451	-23.919	1.033	2.067
23	M2	Y	-23.919	-20.718	2.067	3.1
24	M2	Y	-20.718	-6.72	3.1	4.133
25	M2	Y	-6.72	-.581	4.133	5.167
26	M3	Y	-.537	-6.611	7.75	8.783
27	M3	Y	-6.611	-20.407	8.783	9.817
28	M3	Y	-20.407	-23.738	9.817	10.85
29	M3	Y	-23.738	-12.626	10.85	11.883
30	M3	Y	-12.626	-.537	11.883	12.917
31	M2	Y	-14.576	-14.576	5.662	7.569
32	M11	Y	-14.602	-14.602	.27	2.719
33	M12	Y	-15	-14.602	0	3.083
34	M1	Y	-1.827	-13.447	0	1.033
35	M1	Y	-13.447	-23.91	1.033	2.067
36	M1	Y	-23.91	-20.717	2.067	3.1
37	M1	Y	-20.717	-6.727	3.1	4.133
38	M1	Y	-6.727	-.581	4.133	5.167
39	M2	Y	-.538	-6.613	7.75	8.783
40	M2	Y	-6.613	-20.407	8.783	9.817
41	M2	Y	-20.407	-23.737	9.817	10.85
42	M2	Y	-23.737	-12.633	10.85	11.883
43	M2	Y	-12.633	-.538	11.883	12.917
44	M8	Y	-35.882	-6.613	.308	2.775
45	M12	Y	-12.648	-18.555	0	1.542
46	M12	Y	-18.555	-24.461	1.542	3.083
47	M1	Y	-14.603	-14.603	5.351	7.26
48	M7	Y	-14.615	-14.615	.267	2.708
49	M8	Y	-15.081	-14.615	0	3.083

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,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-.004	-.088	7.75	8.783
2	M1	Y	-.088	-.278	8.783	9.817
3	M1	Y	-.278	-.323	9.817	10.85
4	M1	Y	-.323	-.155	10.85	11.883
5	M1	Y	-.155	-.004	11.883	12.917
6	M3	Y	-.025	-.185	0	1.033
7	M3	Y	-.185	-.329	1.033	2.067
8	M3	Y	-.329	-.285	2.067	3.1
9	M3	Y	-.285	-.092	3.1	4.133
10	M3	Y	-.092	-.008	4.133	5.167
11	M16	Y	-.052	-.052	0	.612
12	M7	Y	-.532	-.052	.308	2.775
13	M9	Y	-.174	-.255	0	1.542
14	M9	Y	-.255	-.336	1.542	3.083
15	M3	Y	-.201	-.201	5.35	7.258
16	M9	Y	-.206	-.201	0	3.083
17	M10	Y	-.201	-.201	.268	2.714
18	M10	Y	-.384	-.201	.308	2.775
19	M11	Y	-.175	-.256	0	1.542
20	M11	Y	-.256	-.337	1.542	3.083
21	M2	Y	-.025	-.185	0	1.033
22	M2	Y	-.185	-.329	1.033	2.067
23	M2	Y	-.329	-.285	2.067	3.1
24	M2	Y	-.285	-.092	3.1	4.133
25	M2	Y	-.092	-.008	4.133	5.167
26	M3	Y	-.007	-.091	7.75	8.783
27	M3	Y	-.091	-.281	8.783	9.817
28	M3	Y	-.281	-.326	9.817	10.85
29	M3	Y	-.326	-.174	10.85	11.883
30	M3	Y	-.174	-.007	11.883	12.917
31	M2	Y	-.2	-.2	5.662	7.57
32	M11	Y	-.201	-.201	.27	2.718
33	M12	Y	-.206	-.201	0	3.083
34	M8	Y	-.383	-.201	.308	2.775
35	M12	Y	-.174	-.255	0	1.542
36	M12	Y	-.255	-.336	1.542	3.083
37	M1	Y	-.025	-.185	0	1.033
38	M1	Y	-.185	-.329	1.033	2.067
39	M1	Y	-.329	-.285	2.067	3.1
40	M1	Y	-.285	-.092	3.1	4.133
41	M1	Y	-.092	-.008	4.133	5.167
42	M2	Y	-.007	-.091	7.75	8.783
43	M2	Y	-.091	-.281	8.783	9.817
44	M2	Y	-.281	-.326	9.817	10.85
45	M2	Y	-.326	-.174	10.85	11.883
46	M2	Y	-.174	-.007	11.883	12.917
47	M1	Y	-.201	-.201	5.351	7.26
48	M7	Y	-.201	-.201	.267	2.708
49	M8	Y	-.207	-.201	0	3.083

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,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Z	-.011	-.219	7.75	8.783
2	M1	Z	-.219	-.693	8.783	9.817
3	M1	Z	-.693	-.807	9.817	10.85
4	M1	Z	-.807	-.387	10.85	11.883
5	M1	Z	-.387	-.011	11.883	12.917
6	M3	Z	-.063	-.461	0	1.033
7	M3	Z	-.461	-.82	1.033	2.067
8	M3	Z	-.82	-.711	2.067	3.1
9	M3	Z	-.711	-.231	3.1	4.133
10	M3	Z	-.231	-.02	4.133	5.167
11	M16	Z	-.13	-.13	0	.612
12	M7	Z	-1.329	-.13	.308	2.775
13	M9	Z	-.434	-.637	0	1.542
14	M9	Z	-.637	-.839	1.542	3.083
15	M3	Z	-.5	-.5	5.35	7.258
16	M9	Z	-.515	-.5	0	3.083
17	M10	Z	-.503	-.503	.268	2.714
18	M10	Z	-.959	-.503	.308	2.775
19	M11	Z	-.438	-.639	0	1.542
20	M11	Z	-.639	-.841	1.542	3.083
21	M2	Z	-.063	-.461	0	1.033
22	M2	Z	-.461	-.82	1.033	2.067
23	M2	Z	-.82	-.711	2.067	3.1
24	M2	Z	-.711	-.231	3.1	4.133
25	M2	Z	-.231	-.02	4.133	5.167
26	M3	Z	-.018	-.227	7.75	8.783
27	M3	Z	-.227	-.7	8.783	9.817
28	M3	Z	-.7	-.814	9.817	10.85
29	M3	Z	-.814	-.433	10.85	11.883
30	M3	Z	-.433	-.018	11.883	12.917
31	M2	Z	-.5	-.5	5.662	7.57
32	M11	Z	-.501	-.501	.27	2.718
33	M12	Z	-.515	-.501	0	3.083
34	M8	Z	-.957	-.501	.308	2.775
35	M12	Z	-.434	-.637	0	1.542
36	M12	Z	-.637	-.84	1.542	3.083
37	M1	Z	-.063	-.461	0	1.033
38	M1	Z	-.461	-.82	1.033	2.067
39	M1	Z	-.82	-.711	2.067	3.1
40	M1	Z	-.711	-.231	3.1	4.133
41	M1	Z	-.231	-.02	4.133	5.167
42	M2	Z	-.018	-.227	7.75	8.783
43	M2	Z	-.227	-.7	8.783	9.817
44	M2	Z	-.7	-.814	9.817	10.85
45	M2	Z	-.814	-.433	10.85	11.883
46	M2	Z	-.433	-.018	11.883	12.917
47	M1	Z	-.501	-.501	5.351	7.26
48	M7	Z	-.501	-.501	.267	2.708
49	M8	Z	-.517	-.501	0	3.083

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,%]

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,%]
1	M1	X	.011	.219	7.75	8.783
2	M1	X	.219	.693	8.783	9.817
3	M1	X	.693	.807	9.817	10.85
4	M1	X	.807	.387	10.85	11.883
5	M1	X	.387	.011	11.883	12.917
6	M3	X	.063	.461	0	1.033
7	M3	X	.461	.82	1.033	2.067
8	M3	X	.82	.711	2.067	3.1
9	M3	X	.711	.231	3.1	4.133
10	M3	X	.231	.02	4.133	5.167
11	M16	X	.13	.13	0	.612
12	M7	X	1.329	.13	.308	2.775
13	M9	X	.434	.637	0	1.542
14	M9	X	.637	.839	1.542	3.083
15	M3	X	.5	.5	5.35	7.258
16	M9	X	.515	.5	0	3.083
17	M10	X	.503	.503	.268	2.714
18	M10	X	.959	.503	.308	2.775
19	M11	X	.438	.639	0	1.542
20	M11	X	.639	.841	1.542	3.083
21	M2	X	.063	.461	0	1.033
22	M2	X	.461	.82	1.033	2.067
23	M2	X	.82	.711	2.067	3.1
24	M2	X	.711	.231	3.1	4.133
25	M2	X	.231	.02	4.133	5.167
26	M3	X	.018	.227	7.75	8.783
27	M3	X	.227	.7	8.783	9.817
28	M3	X	.7	.814	9.817	10.85
29	M3	X	.814	.433	10.85	11.883
30	M3	X	.433	.018	11.883	12.917
31	M2	X	.5	.5	5.662	7.57
32	M11	X	.501	.501	.27	2.718
33	M12	X	.515	.501	0	3.083
34	M8	X	.957	.501	.308	2.775
35	M12	X	.434	.637	0	1.542
36	M12	X	.637	.84	1.542	3.083
37	M1	X	.063	.461	0	1.033
38	M1	X	.461	.82	1.033	2.067
39	M1	X	.82	.711	2.067	3.1
40	M1	X	.711	.231	3.1	4.133
41	M1	X	.231	.02	4.133	5.167
42	M2	X	.018	.227	7.75	8.783
43	M2	X	.227	.7	8.783	9.817
44	M2	X	.7	.814	9.817	10.85
45	M2	X	.814	.433	10.85	11.883
46	M2	X	.433	.018	11.883	12.917
47	M1	X	.501	.501	5.351	7.26
48	M7	X	.501	.501	.267	2.708
49	M8	X	.517	.501	0	3.083

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N21	N28	N16	N9A	Y	Two Way	-.005
2	N9A	N45	N49	N16	Y	Two Way	-.005
3	N16	N15	N48	N49	Y	Two Way	-.005
4	N48	N47	N13	N15	Y	Two Way	-.005
5	N15	N27	N25	N13	Y	Two Way	-.005
6	N13	N12	N43	N47	Y	Two Way	-.005
7	N43	N44	N10A	N12	Y	Two Way	-.005
8	N12	N24	N22	N10A	Y	Two Way	-.005
9	N10A	N44	N45	N9A	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N21	N28	N16	N9A	Y	Two Way	-.016
2	N9A	N45	N49	N16	Y	Two Way	-.016
3	N16	N15	N48	N49	Y	Two Way	-.016
4	N48	N15	N13	N47	Y	Two Way	-.016
5	N13	N25	N27	N15	Y	Two Way	-.016
6	N47	N43	N12	N13	Y	Two Way	-.016
7	N12	N24	N22	N10A	Y	Two Way	-.016
8	N10A	N44	N43	N12	Y	Two Way	-.016
9	N44	N45	N9A	N10A	Y	Two Way	-.016

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N21	N28	N16	N9A	Y	Two Way	-.00022
2	N9A	N45	N49	N16	Y	Two Way	-.00022
3	N16	N15	N48	N49	Y	Two Way	-.00022
4	N48	N47	N13	N15	Y	Two Way	-.00022
5	N15	N27	N25	N13	Y	Two Way	-.00022
6	N13	N12	N43	N47	Y	Two Way	-.00022
7	N43	N44	N10A	N12	Y	Two Way	-.00022
8	N12	N24	N22	N10A	Y	Two Way	-.00022
9	N10A	N44	N45	N9A	Y	Two Way	-.00022

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N21	N28	N16	N9A	Z	Two Way	-.000549
2	N9A	N45	N49	N16	Z	Two Way	-.000549
3	N16	N15	N48	N49	Z	Two Way	-.000549
4	N48	N47	N13	N15	Z	Two Way	-.000549
5	N15	N27	N25	N13	Z	Two Way	-.000549
6	N13	N12	N43	N47	Z	Two Way	-.000549
7	N43	N44	N10A	N12	Z	Two Way	-.000549
8	N12	N24	N22	N10A	Z	Two Way	-.000549
9	N10A	N44	N45	N9A	Z	Two Way	-.000549

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N21	N28	N16	N9A	X	Two Way	.000549

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
2	N9A	N45	N49	N16	X	Two Way	.000549
3	N16	N15	N48	N49	X	Two Way	.000549
4	N48	N47	N13	N15	X	Two Way	.000549
5	N15	N27	N25	N13	X	Two Way	.000549
6	N13	N12	N43	N47	X	Two Way	.000549
7	N43	N44	N10A	N12	X	Two Way	.000549
8	N12	N24	N22	N10A	X	Two Way	.000549
9	N10A	N44	N45	N9A	X	Two Way	.000549

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N15A	max	867.769	9	1093.386	20	632.254	2	-.367	2	1.664	11	-.249	3
2		min	-922.691	3	176.255	2	-516.29	8	-2.714	20	-1.651	5	-1.568	33
3	N17	max	1180.671	10	1167.683	22	550.529	1	.155	12	1.647	1	-.465	4
4		min	-1250.623	4	186.25	4	-563.217	7	-.155	6	-1.677	7	-3.28	22
5	N18	max	311.164	10	1063.145	24	877.071	12	2.611	24	1.621	1	-.17	6
6		min	-354.689	4	177.311	6	-975.229	6	.419	7	-1.65	7	-1.509	24
7	N19	max	492.923	10	1153.835	14	1067.504	2	2.79	14	1.864	7	1.69	14
8		min	-466.582	4	167.368	8	-1131.414	8	.417	8	-1.84	1	.102	8
9	N20	max	795.171	10	1185.509	16	614.49	1	.108	2	1.877	7	3.338	16
10		min	-688.652	4	207.266	10	-626.121	7	-.126	8	-1.853	1	.529	10
11	N16A	max	905.22	11	1249.73	18	695.071	1	-.359	12	1.652	11	1.758	17
12		min	-870.182	5	191.688	12	-630.551	7	-3.119	18	-1.639	5	.316	11
13	Totals:	max	4306.724	10	6470.228	20	4338.696	1						
14		min	-4306.727	4	1996.455	65	-4338.7	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M1	L3X3X6	.450	8.611	8	.208	4.306	z	7	6697.476	68364	2.307	5.179	3...	H2-1
2	M2	L3X3X6	.417	8.611	4	.205	4.306	z	3	6697.476	68364	2.307	5.046	2.7	H2-1
3	M3	L3X3X6	.437	4.306	10	.172	4.306	z	11	6697.476	68364	2.307	4.822	2....	H2-1
4	M4	L5X5X5	.021	.196	2	.056	.196	z	12	80797.3...	99468	6.383	13.253	2....	H2-1
5	M5	L5X5X5	.006	.196	4	.091	.196	y	8	80797.3...	99468	6.383	13.253	1....	H2-1
6	M6	L5X5X5	.007	0	2	.087	.196	y	4	80797.3...	99468	6.383	13.253	2....	H2-1
7	M7	HSS3X3X4	.435	3.083	9	.047	3.083	y	34	93772.8...	101016	8.556	8.556	1....	H1-1b
8	M8	HSS3X3X4	.464	3.083	17	.055	3.083	y	19	93772.8...	101016	8.556	8.556	1....	H1-1b
9	M9	HSS3X3X4	.437	3.083	9	.051	3.083	y	23	93772.8...	101016	8.556	8.556	1....	H1-1b
10	M10	HSS3X3X4	.436	3.083	1	.045	3.083	y	15	93772.8...	101016	8.556	8.556	1....	H1-1b
11	M11	HSS3X3X4	.468	3.083	1	.054	3.083	y	15	93772.8...	101016	8.556	8.556	1....	H1-1b
12	M12	HSS3X3X4	.456	3.083	5	.050	3.083	y	19	93772.8...	101016	8.556	8.556	1....	H1-1b
13	M16	L2x2x3	.275	0	1	.062	.612	z	12	22958.6...	23392.8	.558	1.239	2....	H2-1
14	MP1A	PIPE_2.0	.311	3.125	8	.107	.677		6	23808.54	32130	1.872	1.872	2....	H1-1b
15	MP3A	PIPE_2.0	.312	3.125	6	.160	3.125		7	23808.54	32130	1.872	1.872	2....	H1-1b
16	MP4A	PIPE_2.0	.194	3.125	5	.082	1.198		6	23808.54	32130	1.872	1.872	2....	H1-1b
17	MP2A	PIPE_2.0	.412	3.889	9	.099	3.889		9	18857.4...	32130	1.872	1.872	1....	H1-1b
18	MP1C	PIPE_2.0	.291	3.125	4	.096	.677		2	23808.54	32130	1.872	1.872	2....	H1-1b
19	MP3C	PIPE_2.0	.320	3.125	2	.146	3.125		3	23808.54	32130	1.872	1.872	2....	H1-1b
20	MP4C	PIPE_2.0	.203	.677	2	.092	.677		3	23808.54	32130	1.872	1.872	2....	H1-1b
21	MP2C	PIPE_2.0	.404	3.889	5	.098	3.889		5	18857.4...	32130	1.872	1.872	1....	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
22	MP1B	PIPE_2.0	.269	3.125	12	.069	3.125		12	23808.54	32130	1.872	1.872	2....	H1-1b
23	MP3B	PIPE_2.0	.294	3.125	10	.136	3.125		11	23808.54	32130	1.872	1.872	2....	H1-1b
24	MP4B	PIPE_2.0	.185	3.125	10	.090	3.125		6	23808.54	32130	1.872	1.872	2....	H1-1b
25	MP2B	PIPE_2.0	.403	3.889	1	.089	3.889		7	18857.4...	32130	1.872	1.872	1....	H1-1b
26	M60	PIPE_2.5	.179	4.978	8	.069	1.884		7	13634.6...	50715	3.596	3.596	2....	H1-1b
27	M61	PIPE_2.5	.172	10.36	12	.069	1.884		8	13634.6...	50715	3.596	3.596	1....	H1-1b
28	M62	PIPE_2.5	.167	10.36	8	.070	1.884		4	13634.6...	50715	3.596	3.596	1....	H1-1b
29	M81	L3X3X4	.240	1.978	6	.030	1.978	y	6	42782.61	46656	1.688	3.756	2....	H2-1
30	M82	L3X3X4	.319	1.978	2	.038	1.978	y	2	42782.61	46656	1.688	3.756	2....	H2-1
31	M83	L3X3X4	.243	1.978	10	.032	1.978	y	10	42782.61	46656	1.688	3.756	2....	H2-1

VzW SMART Tool© Vendor

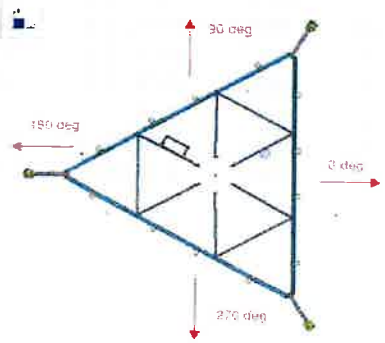
Client:	Verizon Wireless	Date:	9/27/2023
Site Name:	SOUTHFORD CT		
MDG #:	5000382570		
Fuze ID #:	17136772	Page:	1

Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required — Yes

Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N16A	30
N15A	330
N17	270
N18	210
N19	150
N20	90



Tower Connection Bolt Checks — No

Tower Connection Baseplate Checks — No

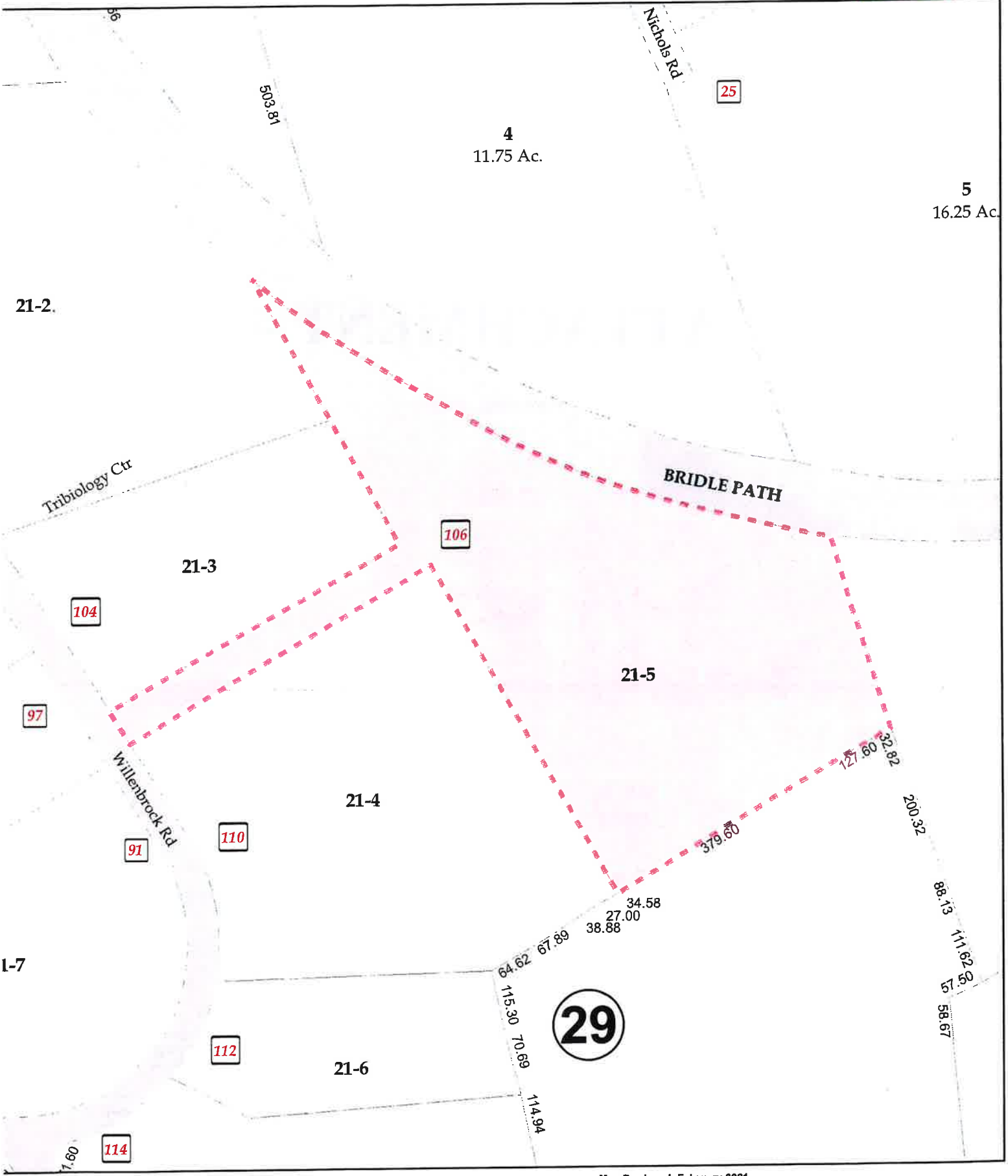
Tower Connection Weld Checks — Yes

Weld Shape:	Rectangle
Weld Stiffener Configuration:	(2) Stiffeners on top/bottom
Stiffener Notch Present?	Yes
Stiffener Length, l (in):	4.25
Stiffener Spacing/Width, s (in):	2.25
Stiffener Notch Length, n (in):	0.25
Weld Size (1/16 in):	4
W1 (in):	3
W2 (in):	3
Weld Total Length (in):	46.00
Z_x (in^3/in):	136.08
Z_y (in^3/in):	31.13
J_p (in^4/in):	684.83
c_x (in)	6
c_y (in)	6
Required combined strength (kip/in):	0.57
Weld Capacity (kip/in):	5.57
Weld Utilization:	10.3%

ATTACHMENT 4

Town of Oxford, Connecticut - Assessment Parcel Map

Parcel: 18-29-21-5 **Location:** 106 WILLENBROCK RD



Approximate Scale: 1 inch = 200 feet

0 100 200 300 400 Feet

Map Produced: February 2021

Town of Oxford
Property Listing Report

Parcel ID 18/29/21-5

Account I0176800

Property Information

Owner	TOWER BUSINESS PARK LLC
Address	106 WILLENBROCK RD
Mailing Address	15 BATES PLACE DANBURY , CT 06810
Land Use	- Industrial
Land Class	I

Census Tract	R 4
Neighborhood	C06
Zoning	IND
Acreage	9.8
Utilities	
Lot Setting/ Desc	/

Photo

PARCEL VALUATIONS (Assessed value = 70% of Appraised Value)

	Appraised	Assessed
Buildings	652800	457000
Outbuildings	20200	14100
Improvements	674800	472400
Extras	1800	1300
Land	440400	308300
Total	1115200	780700
Previous		

Construction Details

Year Built	
Stories	1.00
Building Style	Pre-Eng Warehs
Building Use	Ind/Comm
Building Condition	Average +20
Total Rooms	
Bedrooms	
Full Bathrooms	0
Half Bathrooms	
Bath Style	n/a
Kitchen Style	n/a
Roof Style	Gable
Roof Cover	Enam Mtl Shing

EXTERIOR WALLS:	
Primary	Pre-finsh Metl
Secondary	
INTERIOR WALLS:	
Primary	Minim/Masonry
Secondary	
FLOORS:	
Primary	Concr-Finished
Secondary	
HEATING/AC:	
Heating Type	Hot Air-no Duc
Heating Fuel	Gas
AC Type	None

BUILDING AREA:	
Effective Building Area	
Gross Building Area	
Total Living Area	

SALES HISTORY:	
Sale Date	10/24/2006
Sale Price	0
Book/ Page	319/1244

Report Created On 1/5/2022

ATTACHMENT 5

Verizon/Southford

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	OLD STATE PRIORITY 10/30/2023 OCT 30 US POSTAGE $003.19⁰ 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.	Tower Business Park LLC 15 Bates Place Danbury, CT 06810				
4.					
5.					
6.					