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Also admitted in Massachusetts and New York

August 7, 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**
940 Waterbury Road, Waterbury, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at the above-referenced address (the "Property"). Cellco's facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. Cellco's facility was approved by the Siting Council ("Council") in October of 2008 (EM-VER-151-080922). A copy of the Council's exempt modification approval is included in Attachment 1.

Cellco's proposed modification involves the installation of two (2) interference mitigation filters ("Filters") on Cellco's existing antenna platform and mounting assembly. The filter specification sheet is included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Waterbury's Chief Elected Official and Land Use Officer.

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

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

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

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

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

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

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

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Neil O'Leary, Mayor
Robert Nerney, City Planner
Pine Group Cemetery Association, Property Owner
Kamoya Bautista, Verizon Wireless

ATTACHMENT 1

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

Daniel F. Caruso
Chairman

October 21, 2008

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

RE: **EM-VER-151-080922** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 940 Meriden Road, Waterbury, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated September 22, 2008, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/MP/cm

c: The Honorable Michael J. Jarjura, Mayor, City of Waterbury
Gil Grabeline, Zoning Enforcement Officer, City of Waterbury
Carrie L. Larson, Pullman & Comley, LLC

ATTACHMENT 2

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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

TECHNICAL SPECIFICATIONS

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

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

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

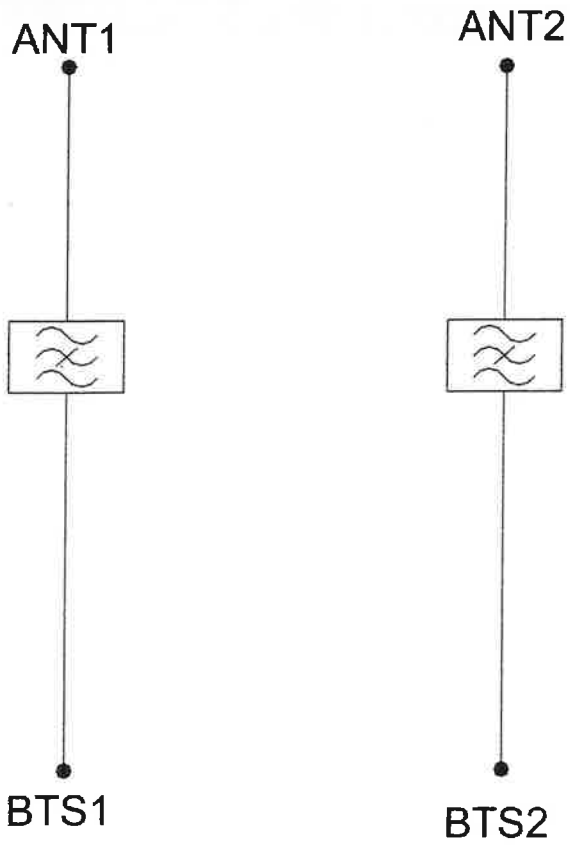
ENVIRONMENTAL	
For further details of environmental compliance, please contact Kaelus.	
Temperature range	-20°C to +60°C | -4°F to +140°F
Ingress protection	IP67
Altitude	2600m | 8530ft
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection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

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

ORDERING INFORMATION

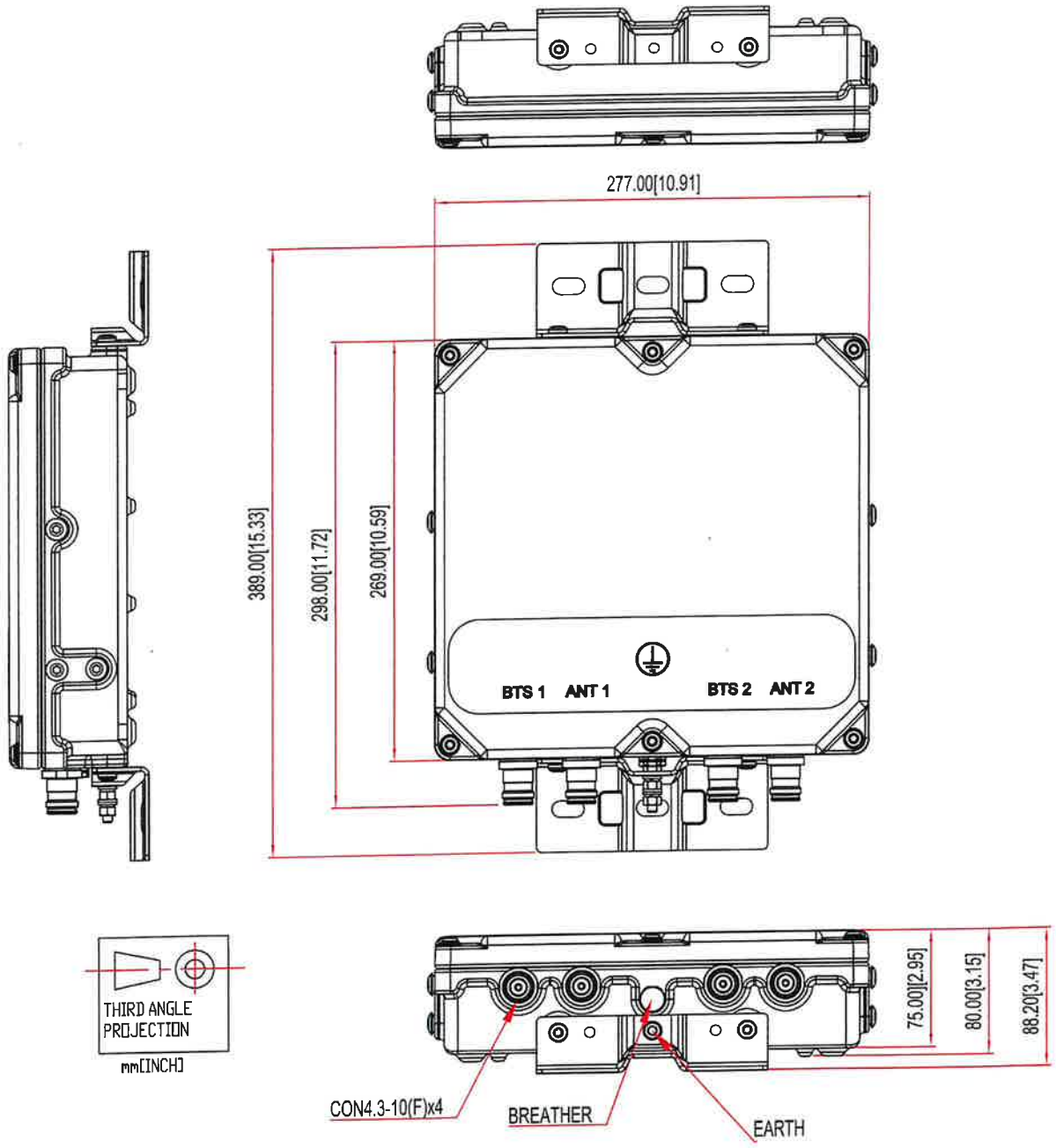
PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
BSF0020F3V1-1	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

ELECTRICAL BLOCK DIAGRAM



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

MECHANICAL BLOCK DIAGRAM



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

ATTACHMENT 3

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: 5000382125 / Waterbury East CT
Application #: 229460, v2

SBA Site ID / Name: CT13070-A-01 / Waterbury 4, CT

135 ft Monopole

940 Meriden Road
Waterbury, Connecticut 06705
Lat: 41.553278, Long: -72.993361

Project number: CT13070-VZW-061523

Analysis Results

Tower	82.2%	Pass
Foundation	82.0%	Pass

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

Prepared by:

Jaffar Alqazzaz

July 7, 2023

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 135 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	Sabre, Job # 07-03039, dated 3/14/2007
Foundation drawings	Sabre, Job # 07-03039 dated 4/23/2007
Geotechnical report	Gemini Geotechnical Associates, Site # 999-0096, dated 3/13/2007
Mount Analysis	Maser Consulting, Project # 21777081A, dated 6/23/2021
Modification drawings	TES, Job # 114884, dated 9/21/2021 FDH, Project # 01077E, dated 10/13/2009
Latest SA	TES, Project # 114884, dated 9/21/2021

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut/New Haven/Waterbury
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC
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	609.69 ft.
Seismic Parameter S_s	0.194
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	129.0	3	TPA65R-BU8D - Panel	(3) Sector Frames [SitePro1 VFA12-M3-WLL]	(2) 0.4" Fiber (6) 1" DC	AT&T
2		3	AIR 6449 N77 - Panel			
3		3	Cci Antennas DMP65R-BU8DA-K - Panel			
4		3	RRUS 4478 B14			
5		3	Radio 4415 B30			
6		3	4449 B5/B12			
7		3	B2 B66A 8843			
8		3	DC9-48-60-24-8C-EV			
9		1	DC6-48-60-18-8C-EV			
10		3	RRUS 4415 B25			
11		3	Ericsson AIR 6419 B77G - Panel			
12		3	Ericsson Radio 2012 B29			
13	118.0	3	1900 MHz RRH	Low Profile Platform w/ Handrail [RMQP-4096-HK]	(3) 1-1/4" Fiber (1) 1.689" Fiber (2) 1/2"	T-Mobile Sprint
14		6	800 MHz RRH			
15		3	TD-RRH8x20-25			
16		3	Nokia - AAHC - Panel			
17		3	Commscope - NNVV-65B-R4 - Panel			
18		2	Andrew Microwaves - VHLP2.5-11 - Dish			
19	99.0	3	APX16DWV-16DWV-S-E-A20 - Panel	Low Profile Platform w/ Handrail [RMQP-4096-HK]	(12) 1 5/8" (2) 1 5/8" Fiber (2) 1-1/4" Hybrid	T-Mobile
20		3	RRUS 4415 B25			
21		3	4449 B71+ B85			
22		4	Ericsson - Air 32 KRD901146-1_B66A_B2A - Panel			
23		3	KRY 112 489/2			
24		3	KRY 112 144/1			
25		3	AIR 6449 B41 - Panel			
26		3	RFS - APXVAARR24_43-U-NA20 - Panel			
-	87.0	3	Antel - BXA-80063/4CF - Panel	Low Profile Platform + (3) Support Rails [VZWSMART-PLK3]	(18) 1 5/8" (2) 1 5/8" Hybrid	Verizon
-		9	Andrew - SBNHH-1D65B - Panel			
-		3	1900 MHz 4X45 RRH			
-		3	RRH2X60-PCS			
-		3	RRH2X60-700			
-		2	DB-T1-6Z-8AB-0Z			

Note: AT&T loading includes FirstNET equipment

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 229460, v2 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
27	87.0	3	Antel BXA-171063-12CF-EDIN-X - Panel	Low Profile Platform + (3) Support Rails [VZWSMART-PLK3] + (3) Crossover Plate [VZWSMART-MSK2] + (12) [VZWSMART-MSK1]	(18) 1-5/8" (2) 1-5/8" Hybrid	Verizon
28		6	JMA MX06FR0660-03 - Panel			
29		3	Samsung MT6407-77A - Panel			
30		3	Samsung B2/B66A RRH-BR049 (RFV01U-D1A)			
31		3	Samsung B5/B13 RRH-BR04C (RFV01U-D2A)			
32		1	Raycap RVZDC-6627-PF-48			
33		4	Kaelus BSF0020F3V1-1			

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	Flange Plate
Max. Usage:	82.3%	66.8%	51.4%	41.5%
Pass/Fail	Pass	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	82.0%	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

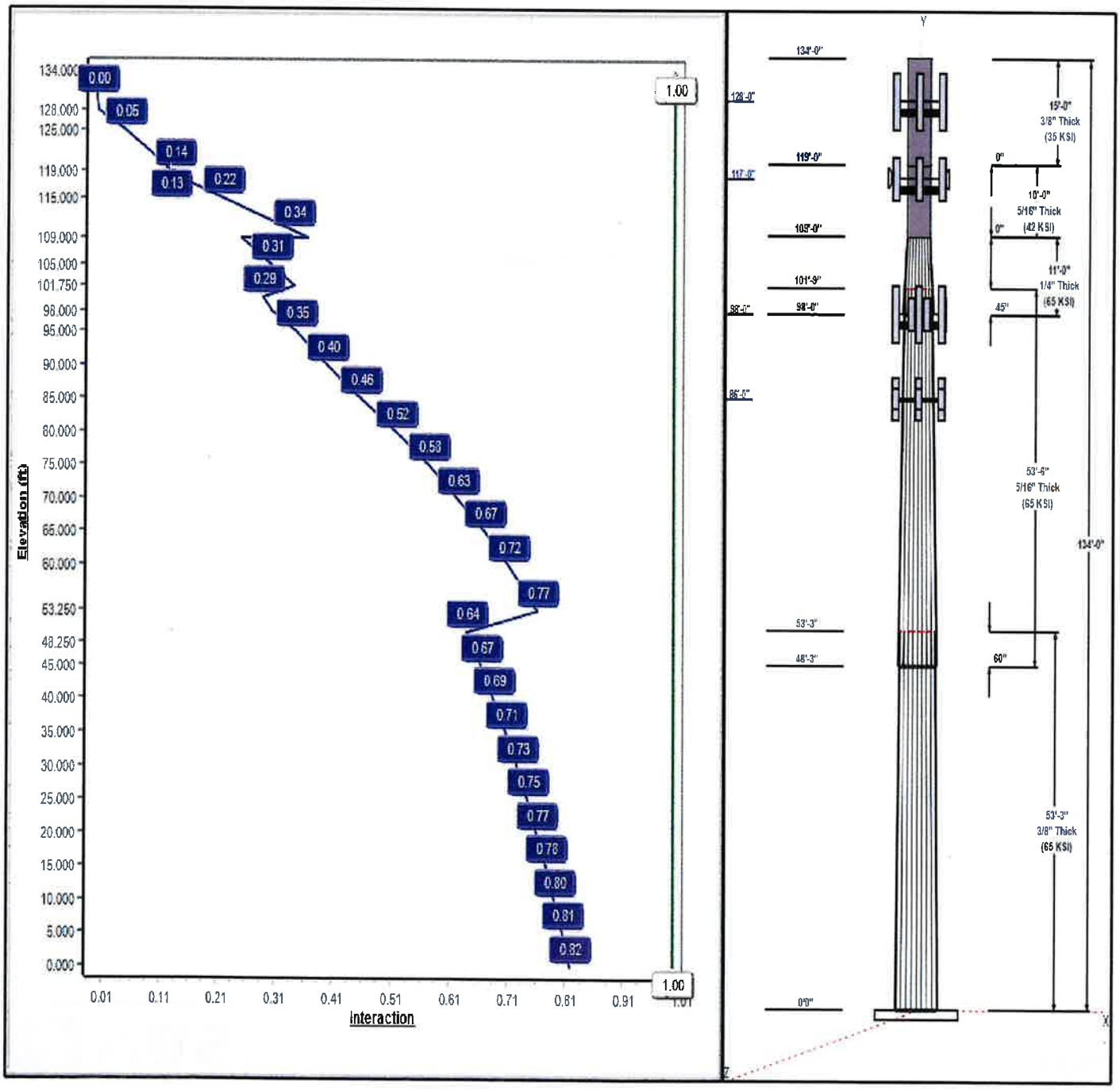
Usage Diagram - Max Ratio 82.32% at 0.0ft

Structure:	CT13070-A-01	**Code:**	EIA/TIA-222-H	7/7/2023
Site Name:	Waterbury 4, CT	**Exposure:**	C	
Height:	134.00 (ft)	**Gh:**	1.1	
Base Elev:	1.000 (ft)			Page: 1

Dead Load Factor:	1.20
Wind Load Factor:	1.00

Load Case : 1.2D + 1.0W 117 mph Wind

Iterations: 25



Structure: CT13070-A-01

Type: Custom
Site Name: Waterbury 4, CT
Height: 134.00 (ft)
Base Elev: 1.00 (ft)

Base Shape: 18 Sided
Taper: 0.21408

7/7/2023

SBA

Shaft Properties

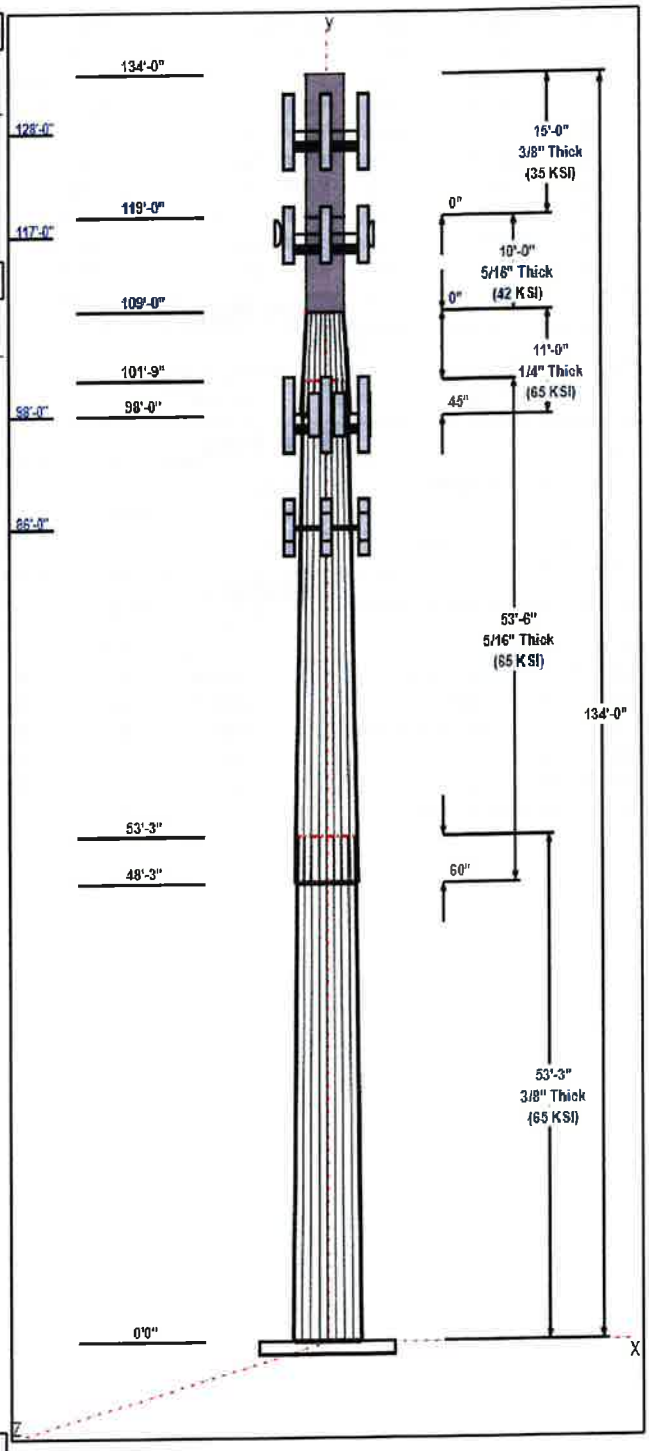
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	53.25	37.99	49.39	0.375		0.21408	65
2	53.50	28.23	39.69	0.313	Slip	0.21408	65
3	11.00	27.18	29.53	0.250	Slip	0.21408	65
4	10.00	26.00	26.00	0.312	Butt	0.00000	42
5	15.00	26.00	26.00	0.375	Butt	0.00000	35

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
134.00	134.00	1	Lightning rod	
128.00	128.00	3	TPA65R-BU8D	AT&T
128.00	128.00	3	AIR 6449 N77	AT&T
128.00	128.00	3	Cci Antennas	AT&T
128.00	128.00	3	RRUS 4478 B14	AT&T
128.00	128.00	3	Radio 4415 B30	AT&T
128.00	128.00	3	4449 B5/B12	AT&T
128.00	128.00	3	B2 B66A 8843	AT&T
128.00	128.00	3	DC9-48-60-24-8C-EV	AT&T
128.00	128.00	1	DC6-48-60-18-8C-EV	AT&T
128.00	128.00	3	RRUS 4415 B25	AT&T
128.00	128.00	3	Ericsson AIR 6419 B77G	AT&T
128.00	128.00	3	Ericsson Radio 2012 B29	AT&T
128.00	128.00	1	(3) SitePro	AT&T
117.00	117.00	3	1900 MHz RRH	T-Mobile Sprint
117.00	117.00	6	800 MHz RRH	T-Mobile Sprint
117.00	117.00	3	TD-RRH8x20-25	T-Mobile Sprint
117.00	117.00	3	AAHC	T-Mobile Sprint
117.00	117.00	3	NNVV-65B-R4	T-Mobile Sprint
117.00	117.00	1	LP Platform w/ Handrail	T-Mobile Sprint
117.00	117.00	2	VHLP2.5-11	T-Mobile Sprint
98.00	98.00	3	APX16DWV-16DWV-S-E-	T-Mobile
98.00	98.00	3	RRUS 4415 B25	T-Mobile
98.00	98.00	3	4449 B71+ B85	T-Mobile
98.00	98.00	4	Air 32	T-Mobile
98.00	98.00	3	KRY 112 489/2	T-Mobile
98.00	98.00	1	LP Platform w/ Handrail	T-Mobile
98.00	98.00	3	KRY 112 144/1	T-Mobile
98.00	98.00	3	AIR 6449 B41	T-Mobile
98.00	98.00	3	APXVAARR24_43-U-NA20	T-Mobile
86.00	86.00	1	Low Profile	Verizon
86.00	86.00	3	Antel	Verizon
86.00	86.00	6	JMA MX06FR0660-03	Verizon
86.00	86.00	3	Samsung MT6407-77A	Verizon
86.00	86.00	3	Samsung B2/B66A	Verizon
86.00	86.00	3	Samsung B5/B13	Verizon
86.00	86.00	1	Raycap	Verizon
86.00	86.00	1	HRK12 (Handrail Kit)	Verizon
86.00	86.00	4	Kaelus BSF0020F3V1-1	Verizon

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	134.00	Outside	Safety Cable	
0.00	134.00	Outside	Step bolts (ladder)	



0.00	128.00	Inside	0.4" Fiber	AT&T
0.00	128.00	Inside	1" DC	AT&T
0.00	117.00	Inside	1-1/4" Fiber	Sprint Nextel
0.00	117.00	Inside	1.689" Fiber	Sprint Nextel
0.00	117.00	Inside	1/2" Coax	Sprint Nextel
0.00	98.00	Inside	1 5/8" Coax	T-Mobile
0.00	98.00	Inside	1 5/8" Fiber	T-Mobile
0.00	98.00	Inside	1-1/4" Hybrid	T-Mobile
0.00	86.00	Inside	1 5/8" Coax	Verizon
0.00	86.00	Inside	1 5/8" Hybrid	Verizon

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
12	2.25" 18J	75.0	Cluster

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.0000	53.3	60.0	Clipped

Reactions

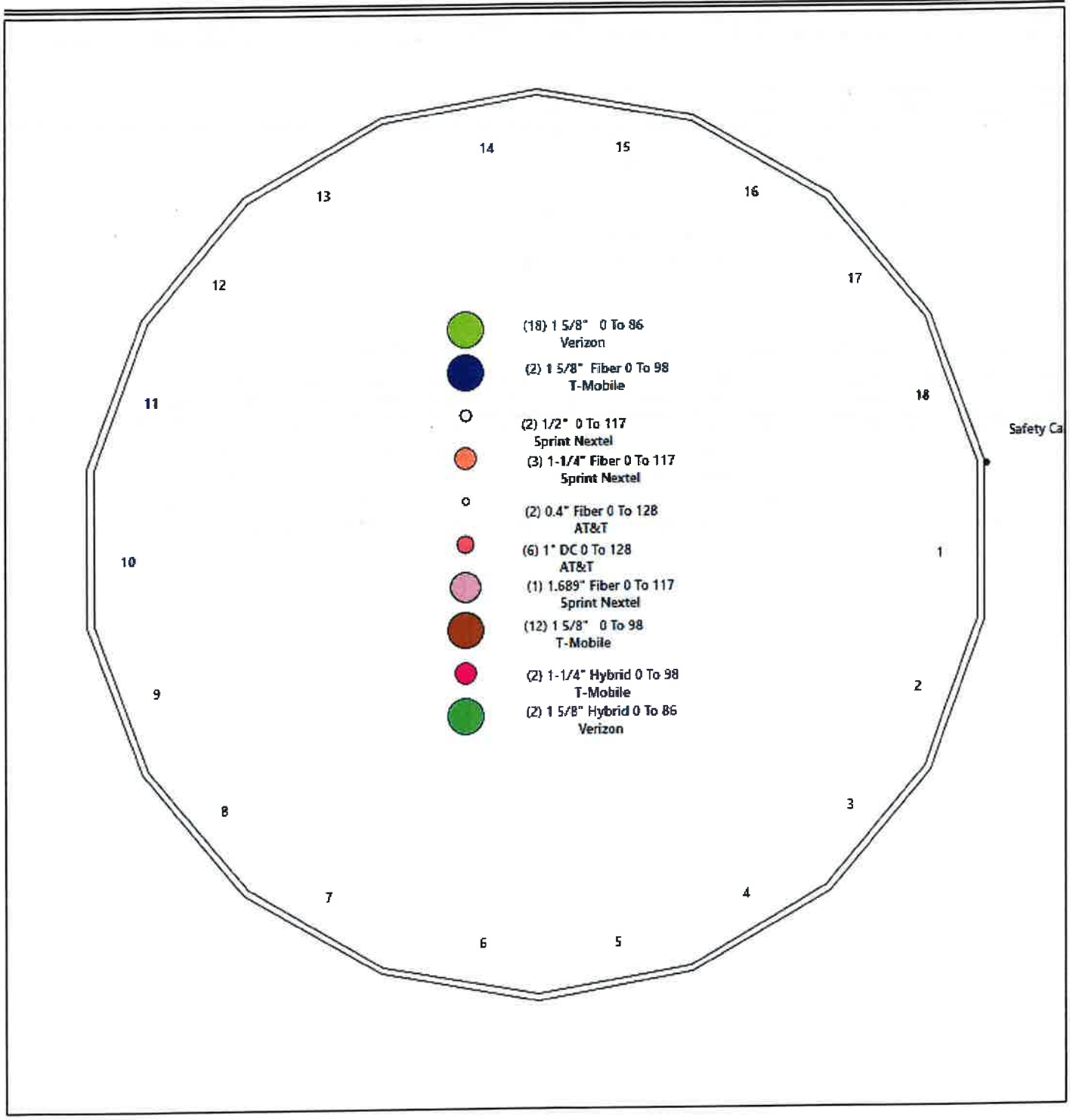
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 117 mph Wind	3250.4	33.0	47.3
0.9D + 1.0W 117 mph Wind	3205.7	32.9	35.4
1.2D + 1.0Di + 1.0Wi 50 mph Wind	869.5	8.8	66.4
1.2D + 1.0Ev + 1.0Eh	82.0	0.7	49.0
0.9D + 1.0Ev + 1.0Eh	81.0	0.7	37.1
1.0D + 1.0W 60 mph Wind	758.9	7.8	39.4

Structure: CT13070-A-01 - Coax Line Placement

Type: Monopole
Site Name: Waterbury 4, CT
Height: 134.00 (ft)

7/7/2023

SBA



Shaft Properties

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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	53.250	0.3750	65		0.00	9,341
2	18	53.500	0.3125	65	Slip	60.00	6,075
3	18	11.000	0.2500	65	Slip	45.00	835
4	R	10.000	0.3120	42	Flange	0.00	857
5	R	15.000	0.3750	35	Flange	0.00	1,541
					Total Shaft Weight:		**18,649**

	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	49.39	0.00	58.34	17707.72	21.81	131.71	37.99	53.25	44.77	8003.18	16.45	101.3	0.214083
2	39.69	48.25	39.05	7648.75	20.98	126.99	28.23	101.75	27.69	2727.23	14.52	90.34	0.214083
3	29.53	98.00	23.24	2517.77	19.42	118.14	27.18	109.00	21.37	1957.91	17.76	108.7	0.214083
4	26.00	109.0	25.18	2078.44	0.00	83.33	26.00	119.00	25.18	2078.44	0.00	83.33	0.000000
5	26.00	119.0	30.19	2479.79	0.00	69.33	26.00	134.00	30.19	2479.79	0.00	69.33	0.000000

Load Summary

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

Discrete Appurtenances

				No Ice			Ice				
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1	134.00	Lightning rod	1	6.50	0.38	1.00	30.45	1.097	1.00	0.00	0.00
2	128.00	TPA65R-BU8D	3	145.00	17.87	0.72	602.72	19.050	0.72	0.00	0.00
3	128.00	AIR 6449 N77	3	101.60	4.13	0.85	186.27	4.680	0.85	0.00	0.00
4	128.00	Cci Antennas DMP65R-BU8DA-K	3	95.70	17.87	0.73	356.51	19.050	0.73	0.00	0.00
5	128.00	RRUS 4478 B14	3	59.40	1.65	0.67	86.63	1.990	0.67	0.00	0.00
6	128.00	Radio 4415 B30	3	46.00	1.86	0.67	82.20	2.216	0.67	0.00	0.00
7	128.00	4449 B5/B12	3	71.00	1.97	0.67	106.05	2.329	0.67	0.00	0.00
8	128.00	B2 B66A 8843	3	72.00	1.64	0.67	103.06	1.979	0.67	0.00	0.00
9	128.00	DC9-48-60-24-8C-EV	3	26.20	1.14	0.75	95.80	2.182	0.75	0.00	0.00
10	128.00	DC6-48-60-18-8C-EV	1	26.20	4.78	0.75	159.25	5.361	0.75	0.00	0.00
11	128.00	RRUS 4415 B25	3	46.00	1.64	0.67	72.99	1.978	0.67	0.00	0.00
12	128.00	Ericsson AIR 6419 B77G	3	44.00	4.17	0.83	116.46	4.724	0.85	0.00	0.00
13	128.00	Ericsson Radio 2012 B29	3	43.00	1.86	0.67	80.40	2.216	0.67	0.00	0.00
14	128.00	(3) SitePro VFA12-M3-WLL	1	2999.58	50.70	1.00	4924.69	92.536	1.00	0.00	0.00
15	117.00	1900 MHz RRH	3	60.00	2.77	0.67	114.30	3.596	0.67	0.00	0.00
16	117.00	800 MHz RRH	6	53.00	2.49	0.67	101.14	3.234	0.67	0.00	0.00
17	117.00	TD-RRH8x20-25	3	70.00	4.05	0.67	136.77	4.564	0.67	0.00	0.00
18	117.00	AAHC	3	103.70	4.21	0.75	172.44	4.738	0.75	0.00	0.00
19	117.00	NNVV-65B-R4	3	84.70	12.27	0.74	288.09	13.218	0.74	0.00	0.00
20	117.00	LP Platform w/ Handrail	1	2448.72	46.00	1.00	4117.61	68.154	1.00	0.00	0.00
21	117.00	VHLP2.5-11	2	48.00	8.43	1.00	161.34	9.541	1.00	0.50	0.00
22	98.00	APX16DWV-16DWV-S-E-A20	3	40.70	6.46	0.62	121.22	7.155	0.62	0.00	0.00
23	98.00	RRUS 4415 B25	3	46.00	1.64	0.67	72.29	1.970	0.67	0.00	0.00
24	98.00	4449 B71+ B85	3	70.00	1.65	0.67	109.71	1.980	0.67	0.00	0.00
25	98.00	Air 32 KRD901146-1_B66A_B2A	4	132.20	6.51	0.87	242.44	7.266	0.87	0.00	0.00
26	98.00	KRY 112 489/2	3	15.40	0.65	0.67	26.67	1.042	0.67	0.00	0.00
27	98.00	LP Platform w/ Handrail	1	2449.00	46.00	1.00	4089.03	66.537	1.00	0.00	0.00
28	98.00	KRY 112 144/1	3	11.02	0.41	0.67	17.93	0.714	0.67	0.00	0.00
29	98.00	AIR 6449 B41	3	133.20	6.53	0.70	231.64	7.205	0.70	0.00	0.00
30	98.00	APXVAARR24_43-U-NA20	3	128.00	20.24	0.70	383.14	21.439	0.70	0.00	0.00
31	86.00	Low Profile Platform-Round	1	1500.00	22.00	1.00	2326.35	33.150	1.00	0.00	0.00
32	86.00	Antel BXA-171063-12CF-EDIN-X	3	15.00	4.79	0.88	82.81	5.533	0.89	0.00	0.00
33	86.00	JMA MX06FR0660-03	6	60.00	9.87	0.87	217.97	10.714	0.88	0.00	0.00
34	86.00	Samsung MT6407-77A	3	87.10	4.70	0.70	157.92	5.270	0.71	0.00	0.00
35	86.00	Samsung B2/B66A RRH-BR049	3	84.40	1.88	0.83	116.43	2.224	0.85	0.00	0.00
36	86.00	Samsung B5/B13 RRH-BR04C	3	70.30	1.88	0.77	100.66	2.224	0.79	0.00	0.00
37	86.00	Raycap RVZDC-6627-PF-48	1	32.00	4.06	1.00	103.93	4.579	1.00	0.00	0.00
38	86.00	HRK12 (Handrail Kit)	1	261.72	6.75	1.00	457.81	10.915	1.00	0.00	0.00
39	86.00	Kaelus BSF0020F3V1-1	4	17.60	0.96	0.65	32.35	1.211	0.69	0.00	0.00
		Totals:	**108**	**16,405.18**			**31,608.97**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	134.00	(1) Safety Cable	0.38	Outside
0.00	134.00	(1) Step bolts (ladder)	0.63	Outside

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	128.00	(2) 0.4" Fiber			0.00	Inside					
0.00	128.00	(6) 1" DC			0.00	Inside					
0.00	117.00	(3) 1-1/4" Fiber			0.00	Inside					
0.00	117.00	(1) 1.689" Fiber			0.00	Inside					
0.00	117.00	(2) 1/2" Coax			0.00	Inside					
0.00	98.00	(12) 1 5/8" Coax			0.00	Inside					
0.00	98.00	(2) 1 5/8" Fiber			0.00	Inside					
0.00	98.00	(2) 1-1/4" Hybrid			0.00	Inside					
0.00	86.00	(18) 1 5/8" Coax			0.00	Inside					
0.00	86.00	(2) 1 5/8" Hybrid			0.00	Inside					

Shaft Section Properties

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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		0.3750	49.390	58.338	17707.7	21.81	131.71	75.7	706.2	0.0
5.00		0.3750	48.320	57.064	16572.7	21.31	128.85	76.3	675.5	981.7
10.00		0.3750	47.249	55.790	15487.3	20.81	126.00	76.9	645.6	960.0
15.00		0.3750	46.179	54.516	14450.4	20.30	123.14	77.5	616.3	938.4
20.00		0.3750	45.108	53.242	13460.8	19.80	120.29	78.1	587.8	916.7
25.00		0.3750	44.038	51.968	12517.4	19.30	117.43	78.7	559.8	895.0
30.00		0.3750	42.968	50.694	11619.2	18.79	114.58	79.3	532.6	873.3
35.00		0.3750	41.897	49.420	10765.0	18.29	111.73	79.9	506.1	851.7
40.00		0.3750	40.827	48.146	9953.7	17.79	108.87	80.5	480.2	830.0
45.00		0.3750	39.756	46.872	9184.3	17.28	106.02	81.1	455.0	808.3
48.25	Bot - Section 2	0.3750	39.061	46.044	8706.0	16.96	104.16	81.5	439.0	513.8
50.00		0.3750	38.686	45.598	8455.5	16.78	103.16	81.7	430.5	504.3
53.25	Top - Section 1	0.3125	38.615	37.990	7041.7	20.38	123.57	0.0	0.0	923.6
55.00		0.3125	38.240	37.618	6837.1	20.17	122.37	77.7	352.2	225.1
60.00		0.3125	37.170	36.557	6274.4	19.56	118.94	78.4	332.5	631.0
65.00		0.3125	36.100	35.495	5743.5	18.96	115.52	79.1	313.4	612.9
70.00		0.3125	35.029	34.433	5243.4	18.35	112.09	79.8	294.8	594.9
75.00		0.3125	33.959	33.372	4773.2	17.75	108.67	80.5	276.8	576.8
80.00		0.3125	32.888	32.310	4332.0	17.15	105.24	81.2	259.4	558.8
85.00		0.3125	31.818	31.248	3918.8	16.54	101.82	81.9	242.6	540.7
86.00		0.3125	31.604	31.036	3839.5	16.42	101.13	82.1	239.3	106.0
90.00		0.3125	30.748	30.187	3532.8	15.94	98.39	82.5	226.3	416.7
95.00		0.3125	29.677	29.125	3173.0	15.33	94.97	82.5	210.6	504.6
98.00	Bot - Section 3	0.3125	29.035	28.488	2969.3	14.97	92.91	82.5	201.4	294.1
100.00		0.3125	28.607	28.063	2838.5	14.73	91.54	82.5	195.4	349.4
101.75	Top - Section 2	0.2500	28.732	22.600	2316.3	18.85	114.93	0.0	0.0	301.5
105.00		0.2500	28.036	22.048	2150.7	18.36	112.15	79.8	151.1	246.9
109.00	Top - Section 3	0.2500	27.180	21.368	1957.9	17.76	108.72	80.5	141.9	295.5
109.00	Bot - Section 4	0.3120	26.000	25.179	2078.4	14.23	87.12	41.2	159.9	
110.00		0.3120	26.000	25.179	2078.4	0.00	83.33	41.2	159.9	85.7
115.00		0.3120	26.000	25.179	2078.4	0.00	83.33	41.2	159.9	428.4
117.00		0.3120	26.000	25.179	2078.4	0.00	83.33	41.2	159.9	171.4
119.00	Top - Section 4	0.3120	26.000	25.179	2078.4	0.00	83.33	41.2	159.9	171.4
119.00	Bot - Section 5	0.3750	26.000	30.189	2479.8	0.00	69.33	35.0	190.8	
120.00		0.3750	26.000	30.189	2479.8	0.00	69.33	35.0	190.8	102.7
125.00		0.3750	26.000	30.189	2479.8	0.00	69.33	35.0	190.8	513.6
128.00		0.3750	26.000	30.189	2479.8	0.00	69.33	35.0	190.8	308.2
130.00		0.3750	26.000	30.189	2479.8	0.00	69.33	35.0	190.8	205.5
134.00		0.3750	26.000	30.189	2479.8	0.00	69.33	35.0	190.8	410.9
										18649.2

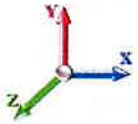
Wind Loading - Shaft

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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 25

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	27.680	30.45	445.87	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	27.680	30.45	436.21	0.730	0.000	5.00	20.670	15.09	459.4	0.0	1178.1
10.00		1.00	0.85	27.680	30.45	426.54	0.730	0.000	5.00	20.217	14.76	449.4	0.0	1152.1
15.00		1.00	0.86	28.022	30.82	419.45	0.730	0.000	5.00	19.764	14.43	444.7	0.0	1126.0
20.00		1.00	0.91	29.673	32.64	421.62	0.730	0.000	5.00	19.312	14.10	460.1	0.0	1100.0
25.00		1.00	0.95	31.038	34.14	420.98	0.730	0.000	5.00	18.859	13.77	470.0	0.0	1074.0
30.00		1.00	0.99	32.209	35.43	418.42	0.730	0.000	5.00	18.406	13.44	476.0	0.0	1048.0
35.00		1.00	1.02	33.239	36.56	414.47	0.730	0.000	5.00	17.953	13.11	479.2	0.0	1022.0
40.00		1.00	1.05	34.161	37.58	409.45	0.730	0.000	5.00	17.500	12.77	480.1	0.0	996.0
45.00		1.00	1.07	34.999	38.50	403.57	0.730	0.000	5.00	17.047	12.44	479.1	0.0	970.0
48.25	Bot - Section 2	1.00	1.09	35.506	39.06	399.37	0.730	0.000	3.25	10.838	7.91	309.0	0.0	616.5
50.00		1.00	1.10	35.768	39.34	396.99	0.730	0.000	1.75	5.849	4.27	168.0	0.0	605.2
53.25	Top - Section 1	1.00	1.11	36.236	39.86	392.40	0.730	0.000	3.25	10.715	7.82	311.8	0.0	1108.4
55.00		1.00	1.12	36.479	40.13	396.30	0.730	0.000	1.75	5.691	4.15	166.7	0.0	270.1
60.00		1.00	1.14	37.142	40.86	388.69	0.730	0.000	5.00	15.953	11.65	475.8	0.0	757.2
65.00		1.00	1.16	37.763	41.54	380.64	0.730	0.000	5.00	15.500	11.31	470.0	0.0	735.5
70.00		1.00	1.18	38.348	42.18	372.21	0.730	0.000	5.00	15.047	10.98	463.3	0.0	713.9
75.00		1.00	1.19	38.901	42.79	363.43	0.730	0.000	5.00	14.594	10.65	455.9	0.0	692.2
80.00		1.00	1.21	39.426	43.37	354.34	0.730	0.000	5.00	14.141	10.32	447.7	0.0	670.5
85.00		1.00	1.23	39.927	43.92	344.98	0.730	0.000	5.00	13.688	9.99	438.9	0.0	648.8
86.00	Appurtenance(s)	1.00	1.23	40.024	44.03	343.07	0.730	0.000	1.00	2.683	1.96	86.2	0.0	127.2
90.00		1.00	1.24	40.405	44.45	335.36	0.730	0.000	4.00	10.552	7.70	342.4	0.0	500.0
95.00		1.00	1.25	40.862	44.95	325.51	0.730	0.000	5.00	12.783	9.33	419.4	0.0	605.5
98.00	Bot - Section 3	1.00	1.26	41.128	45.24	319.50	0.730	0.000	3.00	7.452	5.44	246.1	0.0	352.9
100.00		1.00	1.27	41.301	45.43	315.45	0.730	0.000	2.00	4.962	3.62	164.6	0.0	419.3
101.75	Top - Section 2	1.00	1.27	41.451	45.60	311.89	0.730	0.000	1.75	4.282	3.13	142.5	0.0	361.8
105.00		1.00	1.28	41.724	45.90	310.74	0.730	0.000	3.25	7.806	5.70	261.5	0.0	296.3
109.00	Top - Section 3	1.00	1.29	42.050	46.26	302.43	0.730	0.000	4.00	9.345	6.82	315.5	0.0	354.6
110.00		1.00	1.29	42.130	46.34	285.17	0.600	0.000	1.00	2.167	1.30	60.2	0.0	102.8
115.00		1.00	1.31	42.523	46.78	286.50	0.600	0.000	5.00	10.833	6.50	304.0	0.0	514.1
117.00	Appurtenance(s)	1.00	1.31	42.676	46.94	287.01	0.600	0.000	2.00	4.333	2.60	122.1	0.0	205.6
119.00	Top - Section 4	1.00	1.32	42.828	47.11	287.52	0.600	0.000	2.00	4.333	2.60	122.5	0.0	205.6
120.00		1.00	1.32	42.902	47.19	287.77	0.600	0.000	1.00	2.167	1.30	61.4	0.0	123.3
125.00		1.00	1.33	43.270	47.60	289.00	0.600	0.000	5.00	10.833	6.50	309.4	0.0	616.4
128.00	Appurtenance(s)	1.00	1.34	43.485	47.83	289.72	0.600	0.000	3.00	6.500	3.90	186.5	0.0	369.8
130.00		1.00	1.34	43.626	47.99	290.19	0.600	0.000	2.00	4.333	2.60	124.8	0.0	246.5
134.00	Appurtenance(s)	1.00	1.35	43.903	48.29	291.11	0.600	0.000	4.00	8.667	5.20	251.1	0.0	493.1
								Totals:	**134.00**			**11,425.5**		**22,379.0**

Discrete Appurtenance Forces

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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 25

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	134.00	Lightning rod	1	43.903	48.293	1.00	1.00	0.38	7.80	0.000	0.000	18.35	0.00	0.00
2	128.00	B2 B66A 8843	3	43.485	47.833	0.54	0.80	2.64	259.20	0.000	0.000	126.14	0.00	0.00
3	128.00	TPA65R-BU8D	3	43.485	47.833	0.58	0.80	30.88	522.00	0.000	0.000	1477.06	0.00	0.00
4	128.00	AIR 6449 N77	3	43.485	47.833	0.68	0.80	8.43	365.76	0.000	0.000	403.00	0.00	0.00
5	128.00	Cci Antennas	3	43.485	47.833	0.58	0.80	31.31	344.52	0.000	0.000	1497.57	0.00	0.00
6	128.00	RRUS 4478 B14	3	43.485	47.833	0.54	0.80	2.65	213.84	0.000	0.000	126.91	0.00	0.00
7	128.00	4449 B5/B12	3	43.485	47.833	0.54	0.80	3.17	255.60	0.000	0.000	151.52	0.00	0.00
8	128.00	Radio 4415 B30	3	43.485	47.833	0.54	0.80	2.99	165.60	0.000	0.000	143.06	0.00	0.00
9	128.00	Ericsson AIR 6419 B77G	3	43.485	47.833	0.66	0.80	8.29	158.40	0.000	0.000	396.38	0.00	0.00
10	128.00	(3) SitePro	1	43.485	47.833	0.75	0.75	38.03	3599.50	0.000	0.000	1818.85	0.00	0.00
11	128.00	Ericsson Radio 2012 B29	3	43.485	47.833	0.54	0.80	2.99	154.80	0.000	0.000	143.06	0.00	0.00
12	128.00	DC9-48-60-24-8C-EV	3	43.485	47.833	0.60	0.80	2.05	94.32	0.000	0.000	98.15	0.00	0.00
13	128.00	RRUS 4415 B25	3	43.485	47.833	0.54	0.80	2.64	165.60	0.000	0.000	126.14	0.00	0.00
14	128.00	DC6-48-60-18-8C-EV	1	43.485	47.833	0.60	0.80	2.87	31.44	0.000	0.000	137.19	0.00	0.00
15	117.00	VHLP2.5-11	2	42.676	46.944	1.00	1.00	16.86	115.20	1.583	0.000	791.48	1253.1	0.00
16	117.00	LP Platform w/ Handrail	1	42.676	46.944	1.00	1.00	46.00	2938.46	0.000	0.000	2159.42	0.00	0.00
17	117.00	NNVV-65B-R4	3	42.676	46.944	0.55	0.75	20.43	304.92	0.000	0.000	959.04	0.00	0.00
18	117.00	AAHC	3	42.676	46.944	0.56	0.75	7.10	373.32	0.000	0.000	333.51	0.00	0.00
19	117.00	TD-RRH8x20-25	3	42.676	46.944	0.50	0.75	6.11	252.00	0.000	0.000	286.61	0.00	0.00
20	117.00	800 MHz RRH	6	42.676	46.944	0.50	0.75	7.51	381.60	0.000	0.000	352.42	0.00	0.00
21	117.00	1900 MHz RRH	3	42.676	46.944	0.50	0.75	4.18	216.00	0.000	0.000	196.03	0.00	0.00
22	98.00	KRY 112 489/2	3	41.128	45.241	0.50	0.75	0.98	55.44	0.000	0.000	44.33	0.00	0.00
23	98.00	RRUS 4415 B25	3	41.128	45.241	0.50	0.75	2.47	165.60	0.000	0.000	111.85	0.00	0.00
24	98.00	4449 B71+ B85	3	41.128	45.241	0.50	0.75	2.49	252.00	0.000	0.000	112.53	0.00	0.00
25	98.00	Air 32	4	41.128	45.241	0.65	0.75	16.99	634.56	0.000	0.000	768.69	0.00	0.00
26	98.00	APX16DWV-16DWV-S-E-	3	41.128	45.241	0.46	0.75	9.01	146.52	0.000	0.000	407.69	0.00	0.00
27	98.00	KRY 112 144/1	3	41.128	45.241	0.50	0.75	0.62	39.67	0.000	0.000	27.96	0.00	0.00
28	98.00	AIR 6449 B41	3	41.128	45.241	0.52	0.75	10.28	479.52	0.000	0.000	465.29	0.00	0.00
29	98.00	APXVAARR24_43-U-NA2	3	41.128	45.241	0.52	0.75	31.88	460.80	0.000	0.000	1442.18	0.00	0.00
30	98.00	LP Platform w/ Handrail	1	41.128	45.241	1.00	1.00	46.00	2938.80	0.000	0.000	2081.06	0.00	0.00
31	86.00	Samsung MT6407-77A	3	40.024	44.026	0.52	0.75	7.40	313.56	0.000	0.000	325.91	0.00	0.00
32	86.00	Low Profile	1	40.024	44.026	1.00	1.00	22.00	1800.00	0.000	0.000	968.58	0.00	0.00
33	86.00	Antel	3	40.024	44.026	0.66	0.75	9.48	54.00	0.000	0.000	417.56	0.00	0.00
34	86.00	JMA MX06FR0660-03	6	40.024	44.026	0.65	0.75	38.64	432.00	0.000	0.000	1701.23	0.00	0.00
35	86.00	Raycap	1	40.024	44.026	0.75	0.75	3.04	38.40	0.000	0.000	134.06	0.00	0.00
36	86.00	Samsung B2/B66A	3	40.024	44.026	0.62	0.75	3.51	303.84	0.000	0.000	154.57	0.00	0.00
37	86.00	Samsung B5/B13	3	40.024	44.026	0.58	0.75	3.26	253.08	0.000	0.000	143.40	0.00	0.00
38	86.00	HRK12 (Handrail Kit)	1	40.024	44.026	1.00	1.00	6.75	314.06	0.000	0.000	297.18	0.00	0.00
39	86.00	Kaelus BSF0020F3V1-1	4	40.024	44.026	0.49	0.75	1.87	84.48	0.000	0.000	82.42	0.00	0.00
							Totals:		**19,686.22**			**21,428.39**		

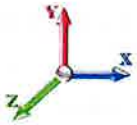
Total Applied Force Summary

Structure:	CT13070-A-01		**Code:**	TIA-222-H	7/7/2023
Site Name:	Waterbury 4, CT		**Exposure:**	C	
Height:	134.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (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 25

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		459.44	1450.36	0.00	0.00
10.00		449.37	1424.35	0.00	0.00
15.00		444.73	1398.34	0.00	0.00
20.00		460.15	1372.33	0.00	0.00
25.00		470.02	1346.32	0.00	0.00
30.00		476.04	1320.30	0.00	0.00
35.00		479.17	1294.29	0.00	0.00
40.00		480.05	1268.28	0.00	0.00
45.00		479.10	1242.27	0.00	0.00
48.25		309.00	793.53	0.00	0.00
50.00		167.99	700.46	0.00	0.00
53.25		311.79	1285.36	0.00	0.00
55.00		166.69	365.45	0.00	0.00
60.00		475.79	1029.50	0.00	0.00
65.00		470.01	1007.83	0.00	0.00
70.00		463.35	986.15	0.00	0.00
75.00		455.89	964.48	0.00	0.00
80.00		447.71	942.80	0.00	0.00
85.00		438.87	921.12	0.00	0.00
86.00	(25) attachments	4311.14	3775.05	0.00	0.00
90.00		342.37	617.41	0.00	0.00
95.00		419.43	752.25	0.00	0.00
98.00	(26) attachments	5707.70	5613.86	0.00	0.00
100.00		164.57	438.49	0.00	0.00
101.75		142.54	378.55	0.00	0.00
105.00		261.53	327.43	0.00	0.00
109.00		315.54	392.94	0.00	0.00
110.00		60.25	112.41	0.00	0.00
115.00		304.04	562.04	0.00	0.00
117.00	(21) attachments	5200.57	4806.32	1253.17	0.00
119.00		122.49	214.78	0.00	0.00
120.00		61.35	127.85	0.00	0.00
125.00		309.38	639.23	0.00	0.00
128.00	(35) attachments	6831.59	6714.11	0.00	0.00
130.00		124.77	249.69	0.00	0.00
134.00	(1) attachments	269.48	507.19	0.00	0.00
	Totals:	**32,853.87**	**47,343.11**	**1,253.17**	**0.00**

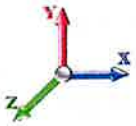
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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 25

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	0.020	0.000	27.680	0.00	1.64
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	27.680	0.00	6.24
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	27.680	0.00	1.64
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	27.680	0.00	6.24
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	28.022	0.00	1.64
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	28.022	0.00	6.24
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	29.673	0.00	1.64
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	29.673	0.00	6.24
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	31.038	0.00	1.64
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	31.038	0.00	6.24
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	32.209	0.00	1.64
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	32.209	0.00	6.24
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	33.239	0.00	1.64
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	33.239	0.00	6.24
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	34.161	0.00	1.64
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	34.161	0.00	6.24
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	34.999	0.00	1.64
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	34.999	0.00	6.24
48.25	Safety Cable	Yes	3.25	0.000	0.38	0.10	0.00	0.025	0.000	35.506	0.00	1.06
48.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.17	0.00	0.025	0.000	35.506	0.00	4.06
50.00	Safety Cable	Yes	1.75	0.000	0.38	0.06	0.00	0.026	0.000	35.768	0.00	0.57
50.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.09	0.00	0.026	0.000	35.768	0.00	2.18
53.25	Safety Cable	Yes	3.25	0.000	0.38	0.10	0.00	0.026	0.000	36.236	0.00	1.06
53.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.17	0.00	0.026	0.000	36.236	0.00	4.06
55.00	Safety Cable	Yes	1.75	0.000	0.38	0.06	0.00	0.026	0.000	36.479	0.00	0.57
55.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.09	0.00	0.026	0.000	36.479	0.00	2.18
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	37.142	0.00	1.64
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	37.142	0.00	6.24
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	37.763	0.00	1.64
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	37.763	0.00	6.24
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	38.348	0.00	1.64
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	38.348	0.00	6.24
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	38.901	0.00	1.64
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	38.901	0.00	6.24
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	39.426	0.00	1.64
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	39.426	0.00	6.24
85.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	39.927	0.00	1.64
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	39.927	0.00	6.24
86.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.031	0.000	40.024	0.00	0.33
86.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.031	0.000	40.024	0.00	1.25
90.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.032	0.000	40.405	0.00	1.31
90.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.032	0.000	40.405	0.00	4.99
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	40.862	0.00	1.64
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	40.862	0.00	6.24
98.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.034	0.000	41.128	0.00	0.98
98.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.034	0.000	41.128	0.00	3.74
100.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.035	0.000	41.301	0.00	0.66

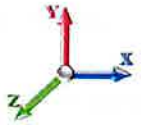
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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 25

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)
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.035	0.000	41.301	0.00	2.50
101.75	Safety Cable	Yes	1.75	0.000	0.38	0.06	0.00	0.035	0.000	41.451	0.00	0.57
101.75	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.09	0.00	0.035	0.000	41.451	0.00	2.18
105.00	Safety Cable	Yes	3.25	0.000	0.38	0.10	0.00	0.035	0.000	41.724	0.00	1.06
105.00	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.17	0.00	0.035	0.000	41.724	0.00	4.06
109.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.036	0.000	42.050	0.00	1.31
109.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.036	0.000	42.050	0.00	4.99
110.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.039	0.000	42.130	0.00	0.33
110.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.039	0.000	42.130	0.00	1.25
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.039	0.000	42.523	0.00	1.64
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.039	0.000	42.523	0.00	6.24
117.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.039	0.000	42.676	0.00	0.66
117.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.039	0.000	42.676	0.00	2.50
119.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.039	0.000	42.828	0.00	0.66
119.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.039	0.000	42.828	0.00	2.50
120.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.039	0.000	42.902	0.00	0.33
120.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.039	0.000	42.902	0.00	1.25
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.039	0.000	43.270	0.00	1.64
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.039	0.000	43.270	0.00	6.24
128.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.039	0.000	43.485	0.00	0.98
128.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.039	0.000	43.485	0.00	3.74
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.039	0.000	43.626	0.00	0.66
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.039	0.000	43.626	0.00	2.50
134.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.039	0.000	43.903	0.00	1.31
134.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.039	0.000	43.903	0.00	4.99
										Totals:	**0.0**	**211.1**

Calculated Forces

Structure: CT13070-A-01
Site Name: Waterbury 4, CT
Height: 134.00 (ft)
Base Elev: 1.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/7/2023
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 25

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	-47.27	-32.96	-1.23	-3250.3	-0.03	3250.36	3976.93	1023.83	4163.63	4011.62	0.00	0.000	0.000	0.823
5.00	-45.67	-32.70	-1.23	-3085.5	-0.03	3085.56	3920.48	1001.47	3983.76	3867.66	0.14	-0.254	0.000	0.811
10.00	-44.11	-32.44	-1.23	-2922.0	-0.03	2922.05	3862.67	979.11	3807.86	3724.90	0.54	-0.512	0.000	0.797
15.00	-42.57	-32.18	-1.23	-2759.8	-0.03	2759.83	3803.51	956.76	3635.94	3583.42	1.22	-0.773	0.000	0.783
20.00	-41.05	-31.89	-1.23	-2598.9	-0.03	2598.94	3742.99	934.40	3467.98	3443.32	2.17	-1.037	0.000	0.767
25.00	-39.57	-31.58	-1.23	-2439.5	-0.03	2439.50	3681.11	912.04	3304.00	3304.69	3.40	-1.303	-0.001	0.750
30.00	-38.12	-31.25	-1.23	-2281.6	-0.03	2281.63	3617.88	889.68	3143.99	3167.62	4.91	-1.572	-0.001	0.732
35.00	-36.69	-30.90	-1.23	-2125.4	-0.04	2125.40	3553.28	867.32	2987.95	3032.20	6.70	-1.841	-0.001	0.713
40.00	-35.30	-30.55	-1.23	-1970.9	-0.04	1970.90	3487.33	844.96	2835.88	2898.52	8.77	-2.112	-0.001	0.691
45.00	-33.96	-30.15	-1.23	-1818.1	-0.04	1818.18	3420.03	822.60	2687.78	2766.66	11.13	-2.383	-0.001	0.668
48.25	-33.11	-29.89	-1.23	-1720.1	-0.04	1720.19	3375.55	808.07	2593.65	2681.98	12.81	-2.561	-0.001	0.653
50.00	-32.34	-29.76	-1.23	-1667.8	-0.04	1667.89	3351.36	800.24	2543.66	2636.73	13.77	-2.658	-0.001	0.644
53.25	-31.00	-29.47	-1.23	-1571.1	-0.04	1571.16	2647.50	666.72	2118.80	2085.88	15.64	-2.835	-0.002	0.767
55.00	-30.54	-29.39	-1.23	-1519.6	-0.05	1519.60	2630.02	660.20	2077.55	2051.68	16.70	-2.931	-0.002	0.754
60.00	-29.39	-29.01	-1.24	-1372.6	-0.05	1372.67	2579.17	641.57	1961.94	1954.76	19.93	-3.232	-0.002	0.716
65.00	-28.27	-28.63	-1.24	-1227.6	-0.06	1227.62	2526.96	622.94	1849.64	1859.10	23.47	-3.527	-0.002	0.674
70.00	-27.17	-28.23	-1.24	-1084.4	-0.06	1084.49	2473.39	604.31	1740.65	1764.79	27.32	-3.813	-0.002	0.628
75.00	-26.11	-27.83	-1.24	-943.33	-0.06	943.33	2418.47	585.67	1634.96	1671.92	31.46	-4.088	-0.003	0.577
80.00	-25.09	-27.43	-1.24	-804.16	-0.07	804.16	2362.18	567.04	1532.59	1580.58	35.88	-4.348	-0.003	0.522
85.00	-24.14	-26.98	-1.24	-667.02	-0.07	667.02	2304.54	548.41	1433.52	1490.86	40.56	-4.590	-0.004	0.460
86.00	-20.68	-22.42	-1.24	-640.04	-0.08	640.04	2292.85	544.68	1414.11	1473.12	41.53	-4.637	-0.004	0.445
90.00	-20.02	-22.09	-1.24	-550.37	-0.08	550.37	2242.72	529.78	1337.77	1401.09	45.49	-4.814	-0.004	0.404
95.00	-19.25	-21.66	-1.24	-439.90	-0.09	439.90	2163.84	511.14	1245.33	1303.79	50.63	-5.013	-0.005	0.348
98.00	-14.13	-15.50	-1.25	-374.92	-0.09	374.92	2116.52	499.96	1191.45	1247.09	53.82	-5.123	-0.005	0.308
100.00	-13.70	-15.31	-1.25	-343.91	-0.09	343.91	2084.97	492.51	1156.19	1209.99	55.97	-5.192	-0.005	0.292
101.75	-13.31	-15.16	-1.25	-317.12	-0.09	317.12	1611.41	396.63	937.27	943.49	57.89	-5.250	-0.005	0.346
105.00	-12.98	-14.89	-1.25	-267.86	-0.10	267.86	1583.50	386.94	892.04	904.30	61.49	-5.349	-0.006	0.306
109.00	-12.60	-14.56	-1.25	-208.30	-0.10	208.30	1548.36	375.01	837.91	856.74	66.02	-5.475	-0.006	0.253
109.00	-12.60	-14.56	-1.25	-208.30	-0.10	208.30	933.38	285.53	41725.7	590.00	66.02	-5.475	-0.006	0.369
110.00	-12.47	-14.50	-1.25	-193.74	-0.10	193.74	933.38	285.53	41725.7	590.00	67.17	-5.504	-0.007	0.344
115.00	-11.93	-14.16	-1.25	-121.23	-0.11	121.23	933.38	285.53	41725.7	590.00	72.99	-5.612	-0.007	0.221
117.00	-7.65	-8.51	0.00	-92.92	0.01	92.92	933.38	285.53	41725.7	590.00	75.34	-5.641	-0.008	0.167
119.00	-7.45	-8.37	0.00	-75.89	0.01	75.89	933.38	285.53	41725.7	590.00	77.71	-5.664	-0.008	0.137
119.00	-7.45	-8.37	0.00	-75.89	0.01	75.89	950.95	285.28	54712.4	624.60	77.71	-5.664	-0.008	0.130
120.00	-7.32	-8.30	0.00	-67.52	0.01	67.52	950.95	285.28	54712.4	624.60	78.89	-5.674	-0.008	0.117
125.00	-6.72	-7.93	0.00	-26.01	0.00	26.01	950.95	285.28	54712.4	624.60	84.84	-5.701	-0.008	0.049
128.00	-0.71	-0.47	0.00	-2.21	0.00	2.21	950.95	285.28	54712.4	624.60	88.42	-5.706	-0.008	0.004
130.00	-0.48	-0.32	0.00	-1.27	0.00	1.27	950.95	285.28	54712.4	624.60	90.81	-5.706	-0.008	0.003
134.00	0.00	-0.27	0.00	0.00	0.00	0.00	950.95	285.28	54712.4	624.60	95.58	-5.706	-0.008	0.000

Wind Loading - Shaft

Structure: CT13070-A-01
Site Name: Waterbury 4, CT
Height: 134.00 (ft)
Base Elev: 1.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/7/2023
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 25

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	27.680	30.45	445.87	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	27.680	30.45	436.21	0.730	0.000	5.00	20.670	15.09	459.4	0.0	883.5
10.00		1.00	0.85	27.680	30.45	426.54	0.730	0.000	5.00	20.217	14.76	449.4	0.0	864.0
15.00		1.00	0.86	28.022	30.82	419.45	0.730	0.000	5.00	19.764	14.43	444.7	0.0	844.5
20.00		1.00	0.91	29.673	32.64	421.62	0.730	0.000	5.00	19.312	14.10	460.1	0.0	825.0
25.00		1.00	0.95	31.038	34.14	420.98	0.730	0.000	5.00	18.859	13.77	470.0	0.0	805.5
30.00		1.00	0.99	32.209	35.43	418.42	0.730	0.000	5.00	18.406	13.44	476.0	0.0	786.0
35.00		1.00	1.02	33.239	36.56	414.47	0.730	0.000	5.00	17.953	13.11	479.2	0.0	766.5
40.00		1.00	1.05	34.161	37.58	409.45	0.730	0.000	5.00	17.500	12.77	480.1	0.0	747.0
45.00		1.00	1.07	34.999	38.50	403.57	0.730	0.000	5.00	17.047	12.44	479.1	0.0	727.5
48.25	Bot - Section 2	1.00	1.09	35.506	39.06	399.37	0.730	0.000	3.25	10.838	7.91	309.0	0.0	462.4
50.00		1.00	1.10	35.768	39.34	396.99	0.730	0.000	1.75	5.849	4.27	168.0	0.0	453.9
53.25	Top - Section 1	1.00	1.11	36.236	39.86	392.40	0.730	0.000	3.25	10.715	7.82	311.8	0.0	831.3
55.00		1.00	1.12	36.479	40.13	396.30	0.730	0.000	1.75	5.691	4.15	166.7	0.0	202.6
60.00		1.00	1.14	37.142	40.86	388.69	0.730	0.000	5.00	15.953	11.65	475.8	0.0	567.9
65.00		1.00	1.16	37.763	41.54	380.64	0.730	0.000	5.00	15.500	11.31	470.0	0.0	551.6
70.00		1.00	1.18	38.348	42.18	372.21	0.730	0.000	5.00	15.047	10.98	463.3	0.0	535.4
75.00		1.00	1.19	38.901	42.79	363.43	0.730	0.000	5.00	14.594	10.65	455.9	0.0	519.1
80.00		1.00	1.21	39.426	43.37	354.34	0.730	0.000	5.00	14.141	10.32	447.7	0.0	502.9
85.00		1.00	1.23	39.927	43.92	344.98	0.730	0.000	5.00	13.688	9.99	438.9	0.0	486.6
86.00	Appurtenance(s)	1.00	1.23	40.024	44.03	343.07	0.730	0.000	1.00	2.683	1.96	86.2	0.0	95.4
90.00		1.00	1.24	40.405	44.45	335.36	0.730	0.000	4.00	10.552	7.70	342.4	0.0	375.0
95.00		1.00	1.25	40.862	44.95	325.51	0.730	0.000	5.00	12.783	9.33	419.4	0.0	454.1
98.00	Bot - Section 3	1.00	1.26	41.128	45.24	319.50	0.730	0.000	3.00	7.452	5.44	246.1	0.0	264.7
100.00		1.00	1.27	41.301	45.43	315.45	0.730	0.000	2.00	4.962	3.62	164.6	0.0	314.5
101.75	Top - Section 2	1.00	1.27	41.451	45.60	311.89	0.730	0.000	1.75	4.282	3.13	142.5	0.0	271.3
105.00		1.00	1.28	41.724	45.90	310.74	0.730	0.000	3.25	7.806	5.70	261.5	0.0	222.2
109.00	Top - Section 3	1.00	1.29	42.050	46.26	302.43	0.730	0.000	4.00	9.345	6.82	315.5	0.0	265.9
110.00		1.00	1.29	42.130	46.34	285.17	0.600	0.000	1.00	2.167	1.30	60.2	0.0	77.1
115.00		1.00	1.31	42.523	46.78	286.50	0.600	0.000	5.00	10.833	6.50	304.0	0.0	385.6
117.00	Appurtenance(s)	1.00	1.31	42.676	46.94	287.01	0.600	0.000	2.00	4.333	2.60	122.1	0.0	154.2
119.00	Top - Section 4	1.00	1.32	42.828	47.11	287.52	0.600	0.000	2.00	4.333	2.60	122.5	0.0	154.2
120.00		1.00	1.32	42.902	47.19	287.77	0.600	0.000	1.00	2.167	1.30	61.4	0.0	92.5
125.00		1.00	1.33	43.270	47.60	289.00	0.600	0.000	5.00	10.833	6.50	309.4	0.0	462.3
128.00	Appurtenance(s)	1.00	1.34	43.485	47.83	289.72	0.600	0.000	3.00	6.500	3.90	186.5	0.0	277.4
130.00		1.00	1.34	43.626	47.99	290.19	0.600	0.000	2.00	4.333	2.60	124.8	0.0	184.9
134.00	Appurtenance(s)	1.00	1.35	43.903	48.29	291.11	0.600	0.000	4.00	8.667	5.20	251.1	0.0	369.8
								Totals:	**134.00**			**11,425.5**		**16,784.3**

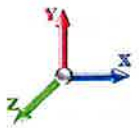
Discrete Appurtenance Forces

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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 25

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	134.00	Lightning rod	1	43.903	48.293	1.00	1.00	0.38	5.85	0.000	0.000	18.35	0.00	0.00
2	128.00	B2 B66A 8843	3	43.485	47.833	0.54	0.80	2.64	194.40	0.000	0.000	126.14	0.00	0.00
3	128.00	TPA65R-BU8D	3	43.485	47.833	0.58	0.80	30.88	391.50	0.000	0.000	1477.06	0.00	0.00
4	128.00	AIR 6449 N77	3	43.485	47.833	0.68	0.80	8.43	274.32	0.000	0.000	403.00	0.00	0.00
5	128.00	Cci Antennas	3	43.485	47.833	0.58	0.80	31.31	258.39	0.000	0.000	1497.57	0.00	0.00
6	128.00	RRUS 4478 B14	3	43.485	47.833	0.54	0.80	2.65	160.38	0.000	0.000	126.91	0.00	0.00
7	128.00	4449 B5/B12	3	43.485	47.833	0.54	0.80	3.17	191.70	0.000	0.000	151.52	0.00	0.00
8	128.00	Radio 4415 B30	3	43.485	47.833	0.54	0.80	2.99	124.20	0.000	0.000	143.06	0.00	0.00
9	128.00	Ericsson AIR 6419 B77G	3	43.485	47.833	0.66	0.80	8.29	118.80	0.000	0.000	396.38	0.00	0.00
10	128.00	(3) SitePro	1	43.485	47.833	0.75	0.75	38.03	2699.62	0.000	0.000	1818.85	0.00	0.00
11	128.00	Ericsson Radio 2012 B29	3	43.485	47.833	0.54	0.80	2.99	116.10	0.000	0.000	143.06	0.00	0.00
12	128.00	DC9-48-60-24-8C-EV	3	43.485	47.833	0.60	0.80	2.05	70.74	0.000	0.000	98.15	0.00	0.00
13	128.00	RRUS 4415 B25	3	43.485	47.833	0.54	0.80	2.64	124.20	0.000	0.000	126.14	0.00	0.00
14	128.00	DC6-48-60-18-8C-EV	1	43.485	47.833	0.60	0.80	2.87	23.58	0.000	0.000	137.19	0.00	0.00
15	117.00	VHLP2.5-11	2	42.676	46.944	1.00	1.00	16.86	86.40	1.583	0.000	791.48	1253.1	0.00
16	117.00	LP Platform w/ Handrail	1	42.676	46.944	1.00	1.00	46.00	2203.85	0.000	0.000	2159.42	0.00	0.00
17	117.00	NNVV-65B-R4	3	42.676	46.944	0.55	0.75	20.43	228.69	0.000	0.000	959.04	0.00	0.00
18	117.00	AAHC	3	42.676	46.944	0.56	0.75	7.10	279.99	0.000	0.000	333.51	0.00	0.00
19	117.00	TD-RRH8x20-25	3	42.676	46.944	0.50	0.75	6.11	189.00	0.000	0.000	286.61	0.00	0.00
20	117.00	800 MHz RRH	6	42.676	46.944	0.50	0.75	7.51	286.20	0.000	0.000	352.42	0.00	0.00
21	117.00	1900 MHz RRH	3	42.676	46.944	0.50	0.75	4.18	162.00	0.000	0.000	196.03	0.00	0.00
22	98.00	KRY 112 489/2	3	41.128	45.241	0.50	0.75	0.98	41.58	0.000	0.000	44.33	0.00	0.00
23	98.00	RRUS 4415 B25	3	41.128	45.241	0.50	0.75	2.47	124.20	0.000	0.000	111.85	0.00	0.00
24	98.00	4449 B71+ B85	3	41.128	45.241	0.50	0.75	2.49	189.00	0.000	0.000	112.53	0.00	0.00
25	98.00	Air 32	4	41.128	45.241	0.65	0.75	16.99	475.92	0.000	0.000	768.69	0.00	0.00
26	98.00	APX16DWV-16DWV-S-E-	3	41.128	45.241	0.46	0.75	9.01	109.89	0.000	0.000	407.69	0.00	0.00
27	98.00	KRY 112 144/1	3	41.128	45.241	0.50	0.75	0.62	29.75	0.000	0.000	27.96	0.00	0.00
28	98.00	AIR 6449 B41	3	41.128	45.241	0.52	0.75	10.28	359.64	0.000	0.000	465.29	0.00	0.00
29	98.00	APXVAARR24_43-U-NA2	3	41.128	45.241	0.52	0.75	31.88	345.60	0.000	0.000	1442.18	0.00	0.00
30	98.00	LP Platform w/ Handrail	1	41.128	45.241	1.00	1.00	46.00	2204.10	0.000	0.000	2081.06	0.00	0.00
31	86.00	Samsung MT6407-77A	3	40.024	44.026	0.52	0.75	7.40	235.17	0.000	0.000	325.91	0.00	0.00
32	86.00	Low Profile	1	40.024	44.026	1.00	1.00	22.00	1350.00	0.000	0.000	968.58	0.00	0.00
33	86.00	Antel	3	40.024	44.026	0.66	0.75	9.48	40.50	0.000	0.000	417.56	0.00	0.00
34	86.00	JMA MX06FR0660-03	6	40.024	44.026	0.65	0.75	38.64	324.00	0.000	0.000	1701.23	0.00	0.00
35	86.00	Raycap	1	40.024	44.026	0.75	0.75	3.04	28.80	0.000	0.000	134.06	0.00	0.00
36	86.00	Samsung B2/B66A	3	40.024	44.026	0.62	0.75	3.51	227.88	0.000	0.000	154.57	0.00	0.00
37	86.00	Samsung B5/B13	3	40.024	44.026	0.58	0.75	3.26	189.81	0.000	0.000	143.40	0.00	0.00
38	86.00	HRK12 (Handrail Kit)	1	40.024	44.026	1.00	1.00	6.75	235.55	0.000	0.000	297.18	0.00	0.00
39	86.00	Kaelus BSF0020F3V1-1	4	40.024	44.026	0.49	0.75	1.87	63.36	0.000	0.000	82.42	0.00	0.00
							Totals:		**14,764.66**			**21,428.39**		

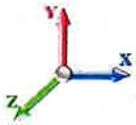
Total Applied Force Summary

Structure:	CT13070-A-01		**Code:**	TIA-222-H	7/7/2023
Site Name:	Waterbury 4, CT		**Exposure:**	C	
Height:	134.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (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 25

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		459.44	1087.77	0.00	0.00
10.00		449.37	1068.26	0.00	0.00
15.00		444.73	1048.75	0.00	0.00
20.00		460.15	1029.25	0.00	0.00
25.00		470.02	1009.74	0.00	0.00
30.00		476.04	990.23	0.00	0.00
35.00		479.17	970.72	0.00	0.00
40.00		480.05	951.21	0.00	0.00
45.00		479.10	931.70	0.00	0.00
48.25		309.00	595.15	0.00	0.00
50.00		167.99	525.35	0.00	0.00
53.25		311.79	964.02	0.00	0.00
55.00		166.69	274.09	0.00	0.00
60.00		475.79	772.13	0.00	0.00
65.00		470.01	755.87	0.00	0.00
70.00		463.35	739.61	0.00	0.00
75.00		455.89	723.36	0.00	0.00
80.00		447.71	707.10	0.00	0.00
85.00		438.87	690.84	0.00	0.00
86.00	(25) attachments	4311.14	2831.29	0.00	0.00
90.00		342.37	463.06	0.00	0.00
95.00		419.43	564.19	0.00	0.00
98.00	(26) attachments	5707.70	4210.39	0.00	0.00
100.00		164.57	328.86	0.00	0.00
101.75		142.54	283.92	0.00	0.00
105.00		261.53	245.58	0.00	0.00
109.00		315.54	294.70	0.00	0.00
110.00		60.25	84.31	0.00	0.00
115.00		304.04	421.53	0.00	0.00
117.00	(21) attachments	5200.57	3604.74	1253.17	0.00
119.00		122.49	161.08	0.00	0.00
120.00		61.35	95.88	0.00	0.00
125.00		309.38	479.42	0.00	0.00
128.00	(35) attachments	6831.59	5035.59	0.00	0.00
130.00		124.77	187.27	0.00	0.00
134.00	(1) attachments	269.48	380.39	0.00	0.00
	Totals:	**32,853.87**	**35,507.33**	**1,253.17**	**0.00**

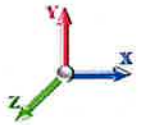
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 18	

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 25

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	0.020	0.000	27.680	0.00	1.23
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	27.680	0.00	4.68
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	27.680	0.00	1.23
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	27.680	0.00	4.68
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	28.022	0.00	1.23
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	28.022	0.00	4.68
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	29.673	0.00	1.23
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	29.673	0.00	4.68
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	31.038	0.00	1.23
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	31.038	0.00	4.68
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	32.209	0.00	1.23
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	32.209	0.00	4.68
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	33.239	0.00	1.23
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	33.239	0.00	4.68
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	34.161	0.00	1.23
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	34.161	0.00	4.68
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	34.999	0.00	1.23
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	34.999	0.00	4.68
48.25	Safety Cable	Yes	3.25	0.000	0.38	0.10	0.00	0.025	0.000	35.506	0.00	0.80
48.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.17	0.00	0.025	0.000	35.506	0.00	3.04
50.00	Safety Cable	Yes	1.75	0.000	0.38	0.06	0.00	0.026	0.000	35.768	0.00	0.43
50.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.09	0.00	0.026	0.000	35.768	0.00	1.64
53.25	Safety Cable	Yes	3.25	0.000	0.38	0.10	0.00	0.026	0.000	36.236	0.00	0.80
53.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.17	0.00	0.026	0.000	36.236	0.00	3.04
55.00	Safety Cable	Yes	1.75	0.000	0.38	0.06	0.00	0.026	0.000	36.479	0.00	0.43
55.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.09	0.00	0.026	0.000	36.479	0.00	1.64
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	37.142	0.00	1.23
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	37.142	0.00	4.68
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	37.763	0.00	1.23
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	37.763	0.00	4.68
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	38.348	0.00	1.23
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	38.348	0.00	4.68
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	38.901	0.00	1.23
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	38.901	0.00	4.68
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	39.426	0.00	1.23
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	39.426	0.00	4.68
85.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	39.927	0.00	1.23
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	39.927	0.00	4.68
86.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.031	0.000	40.024	0.00	0.25
86.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.031	0.000	40.024	0.00	0.94
90.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.032	0.000	40.405	0.00	0.98
90.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.032	0.000	40.405	0.00	3.74
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	40.862	0.00	1.23
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	40.862	0.00	4.68
98.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.034	0.000	41.128	0.00	0.74
98.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.034	0.000	41.128	0.00	2.81
100.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.035	0.000	41.301	0.00	0.49

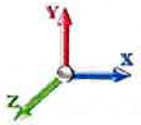
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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 25

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)
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.035	0.000	41.301	0.00	1.87
101.75	Safety Cable	Yes	1.75	0.000	0.38	0.06	0.00	0.035	0.000	41.451	0.00	0.43
101.75	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.09	0.00	0.035	0.000	41.451	0.00	1.64
105.00	Safety Cable	Yes	3.25	0.000	0.38	0.10	0.00	0.035	0.000	41.724	0.00	0.80
105.00	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.17	0.00	0.035	0.000	41.724	0.00	3.04
109.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.036	0.000	42.050	0.00	0.98
109.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.036	0.000	42.050	0.00	3.74
110.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.039	0.000	42.130	0.00	0.25
110.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.039	0.000	42.130	0.00	0.94
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.039	0.000	42.523	0.00	1.23
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.039	0.000	42.523	0.00	4.68
117.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.039	0.000	42.676	0.00	0.49
117.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.039	0.000	42.676	0.00	1.87
119.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.039	0.000	42.828	0.00	0.49
119.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.039	0.000	42.828	0.00	1.87
120.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.039	0.000	42.902	0.00	0.25
120.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.039	0.000	42.902	0.00	0.94
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.039	0.000	43.270	0.00	1.23
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.039	0.000	43.270	0.00	4.68
128.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.039	0.000	43.485	0.00	0.74
128.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.039	0.000	43.485	0.00	2.81
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.039	0.000	43.626	0.00	0.49
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.039	0.000	43.626	0.00	1.87
134.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.039	0.000	43.903	0.00	0.98
134.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.039	0.000	43.903	0.00	3.74
										Totals:	**0.0**	**158.3**

Calculated Forces

Structure: CT13070-A-01
Site Name: Waterbury 4, CT
Height: 134.00 (ft)
Base Elev: 1.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

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

Iterations 25

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	-35.43	-32.93	-1.23	-3205.7	-0.02	3205.72	3976.93	1023.83	4163.63	4011.62	0.00	0.000	0.000	0.809
5.00	-34.20	-32.62	-1.23	-3041.0	-0.02	3041.05	3920.48	1001.47	3983.76	3867.66	0.13	-0.251	0.000	0.796
10.00	-32.99	-32.31	-1.23	-2877.9	-0.02	2877.94	3862.67	979.11	3807.86	3724.90	0.53	-0.505	0.000	0.782
15.00	-31.81	-32.00	-1.23	-2716.3	-0.02	2716.38	3803.51	956.76	3635.94	3583.42	1.20	-0.762	0.000	0.768
20.00	-30.64	-31.66	-1.23	-2556.3	-0.02	2556.37	3742.99	934.40	3467.98	3443.32	2.14	-1.021	0.000	0.752
25.00	-29.50	-31.31	-1.23	-2398.0	-0.03	2398.05	3681.11	912.04	3304.00	3304.69	3.35	-1.283	-0.001	0.735
30.00	-28.38	-30.94	-1.23	-2241.5	-0.03	2241.51	3617.88	889.68	3143.99	3167.62	4.83	-1.547	-0.001	0.717
35.00	-27.28	-30.56	-1.23	-2086.8	-0.03	2086.80	3553.28	867.32	2987.95	3032.20	6.60	-1.812	-0.001	0.697
40.00	-26.21	-30.17	-1.23	-1934.0	-0.03	1934.01	3487.33	844.96	2835.88	2898.52	8.64	-2.077	-0.001	0.676
45.00	-25.18	-29.75	-1.23	-1783.1	-0.03	1783.16	3420.03	822.60	2687.78	2766.66	10.96	-2.343	-0.001	0.653
48.25	-24.53	-29.48	-1.23	-1686.4	-0.03	1686.47	3375.55	808.07	2593.65	2681.98	12.61	-2.518	-0.001	0.637
50.00	-23.94	-29.34	-1.23	-1634.8	-0.04	1634.89	3351.36	800.24	2543.66	2636.73	13.55	-2.613	-0.001	0.629
53.25	-22.93	-29.04	-1.23	-1539.5	-0.04	1539.53	2647.50	666.72	2118.80	2085.88	15.39	-2.786	-0.002	0.749
55.00	-22.56	-28.93	-1.24	-1488.7	-0.04	1488.72	2630.02	660.20	2077.55	2051.68	16.43	-2.880	-0.002	0.736
60.00	-21.67	-28.53	-1.24	-1344.0	-0.04	1344.05	2579.17	641.57	1961.94	1954.76	19.61	-3.175	-0.002	0.698
65.00	-20.80	-28.12	-1.24	-1201.4	-0.05	1201.41	2526.96	622.94	1849.64	1859.10	23.09	-3.464	-0.002	0.657
70.00	-19.96	-27.71	-1.24	-1060.8	-0.05	1060.81	2473.39	604.31	1740.65	1764.79	26.86	-3.744	-0.002	0.611
75.00	-19.15	-27.29	-1.24	-922.28	-0.06	922.28	2418.47	585.67	1634.96	1671.92	30.93	-4.013	-0.003	0.562
80.00	-18.36	-26.87	-1.24	-785.82	-0.06	785.82	2362.18	567.04	1532.59	1580.58	35.27	-4.267	-0.003	0.507
85.00	-17.64	-26.42	-1.24	-651.46	-0.07	651.46	2304.54	548.41	1433.52	1490.86	39.86	-4.503	-0.004	0.447
86.00	-15.12	-21.93	-1.24	-625.04	-0.07	625.04	2292.85	544.68	1414.11	1473.12	40.81	-4.550	-0.004	0.433
90.00	-14.61	-21.60	-1.24	-537.31	-0.08	537.31	2242.72	529.78	1337.77	1401.09	44.69	-4.722	-0.004	0.392
95.00	-14.03	-21.17	-1.25	-429.31	-0.08	429.31	2163.84	511.14	1245.33	1303.79	49.74	-4.917	-0.005	0.338
98.00	-10.31	-15.14	-1.25	-365.79	-0.09	365.79	2116.52	499.96	1191.45	1247.09	52.86	-5.023	-0.005	0.299
100.00	-9.98	-14.95	-1.25	-335.52	-0.09	335.52	2084.97	492.51	1156.19	1209.99	54.98	-5.091	-0.005	0.283
101.75	-9.69	-14.80	-1.25	-309.35	-0.09	309.35	1611.41	396.63	937.27	943.49	56.85	-5.147	-0.005	0.335
105.00	-9.44	-14.54	-1.25	-261.25	-0.09	261.25	1583.50	386.94	892.04	904.30	60.39	-5.244	-0.006	0.296
109.00	-9.16	-14.21	-1.25	-203.11	-0.10	203.11	1548.36	375.01	837.91	856.74	64.83	-5.367	-0.006	0.245
109.00	-9.16	-14.21	-1.25	-203.11	-0.10	203.11	933.38	285.53	41725.7	590.00	64.83	-5.367	-0.006	0.357
110.00	-9.06	-14.15	-1.25	-188.91	-0.10	188.91	933.38	285.53	41725.7	590.00	65.96	-5.395	-0.007	0.332
115.00	-8.66	-13.82	-1.25	-118.16	-0.11	118.16	933.38	285.53	41725.7	590.00	71.66	-5.500	-0.007	0.212
117.00	-5.56	-8.30	0.00	-90.53	0.01	90.53	933.38	285.53	41725.7	590.00	73.97	-5.529	-0.008	0.160
119.00	-5.41	-8.16	0.00	-73.94	0.01	73.94	933.38	285.53	41725.7	590.00	76.28	-5.551	-0.008	0.132
119.00	-5.41	-8.16	0.00	-73.94	0.01	73.94	950.95	285.28	54712.4	624.60	76.28	-5.551	-0.008	0.125
120.00	-5.32	-8.09	0.00	-65.78	0.01	65.78	950.95	285.28	54712.4	624.60	77.45	-5.561	-0.008	0.112
125.00	-4.87	-7.74	0.00	-25.33	0.00	25.33	950.95	285.28	54712.4	624.60	83.28	-5.587	-0.008	0.046
128.00	-0.53	-0.45	0.00	-2.12	0.00	2.12	950.95	285.28	54712.4	624.60	86.78	-5.592	-0.008	0.004
130.00	-0.35	-0.31	0.00	-1.22	0.00	1.22	950.95	285.28	54712.4	624.60	89.12	-5.592	-0.008	0.002
134.00	0.00	-0.27	0.00	0.00	0.00	0.00	950.95	285.28	54712.4	624.60	93.80	-5.593	-0.008	0.000

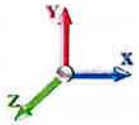
Wind Loading - Shaft

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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 23

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	5.055	5.56	0.00	1.200	0.705	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.055	5.56	0.00	1.200	0.843	5.00	21.373	25.65	142.6	257.1	1435.1
10.00		1.00	0.85	5.055	5.56	0.00	1.200	0.896	5.00	20.964	25.16	139.9	267.5	1419.5
15.00		1.00	0.86	5.118	5.63	0.00	1.200	0.930	5.00	20.540	24.65	138.8	271.7	1397.8
20.00		1.00	0.91	5.419	5.96	0.00	1.200	0.956	5.00	20.108	24.13	143.8	273.0	1373.0
25.00		1.00	0.95	5.668	6.24	0.00	1.200	0.976	5.00	19.672	23.61	147.2	272.6	1346.6
30.00		1.00	0.99	5.882	6.47	0.00	1.200	0.994	5.00	19.234	23.08	149.3	270.9	1318.9
35.00		1.00	1.02	6.070	6.68	0.00	1.200	1.009	5.00	18.793	22.55	150.6	268.4	1290.4
40.00		1.00	1.05	6.239	6.86	0.00	1.200	1.022	5.00	18.352	22.02	151.1	265.2	1261.2
45.00		1.00	1.07	6.392	7.03	0.00	1.200	1.034	5.00	17.909	21.49	151.1	261.5	1231.4
48.25	Bot - Section 2	1.00	1.09	6.484	7.13	0.00	1.200	1.041	3.25	11.402	13.68	97.6	168.2	784.8
50.00		1.00	1.10	6.532	7.19	0.00	1.200	1.044	1.75	6.154	7.38	53.1	91.5	696.6
53.25	Top - Section 1	1.00	1.11	6.618	7.28	0.00	1.200	1.051	3.25	11.285	13.54	98.6	168.0	1276.4
55.00		1.00	1.12	6.662	7.33	0.00	1.200	1.054	1.75	5.998	7.20	52.7	89.9	360.0
60.00		1.00	1.14	6.783	7.46	0.00	1.200	1.063	5.00	16.839	20.21	150.8	252.1	1009.3
65.00		1.00	1.16	6.897	7.59	0.00	1.200	1.072	5.00	16.393	19.67	149.2	247.0	982.5
70.00		1.00	1.18	7.003	7.70	0.00	1.200	1.080	5.00	15.947	19.14	147.4	241.7	955.6
75.00		1.00	1.19	7.104	7.81	0.00	1.200	1.087	5.00	15.500	18.60	145.4	236.2	928.4
80.00		1.00	1.21	7.200	7.92	0.00	1.200	1.094	5.00	15.053	18.06	143.1	230.5	901.0
85.00		1.00	1.23	7.292	8.02	0.00	1.200	1.101	5.00	14.606	17.53	140.6	224.6	873.4
86.00	Appurtenance(s)	1.00	1.23	7.310	8.04	0.00	1.200	1.102	1.00	2.867	3.44	27.7	44.7	171.8
90.00		1.00	1.24	7.379	8.12	0.00	1.200	1.107	4.00	11.290	13.55	110.0	174.9	674.8
95.00		1.00	1.25	7.463	8.21	0.00	1.200	1.113	5.00	13.710	16.45	135.1	212.4	817.9
98.00	Bot - Section 3	1.00	1.26	7.511	8.26	0.00	1.200	1.116	3.00	8.010	9.61	79.4	125.2	478.1
100.00		1.00	1.27	7.543	8.30	0.00	1.200	1.118	2.00	5.335	6.40	53.1	83.8	503.1
101.75	Top - Section 2	1.00	1.27	7.570	8.33	0.00	1.200	1.120	1.75	4.609	5.53	46.1	72.6	434.3
105.00		1.00	1.28	7.620	8.38	0.00	1.200	1.124	3.25	8.415	10.10	84.6	132.0	428.3
109.00	Top - Section 3	1.00	1.29	7.680	8.45	0.00	1.200	1.128	4.00	10.097	12.12	102.3	158.3	512.9
110.00		1.00	1.29	7.694	8.46	0.00	1.200	1.129	1.00	2.355	2.83	23.9	37.4	140.2
115.00		1.00	1.31	7.766	8.54	0.00	1.200	1.134	5.00	11.778	14.13	120.7	188.0	702.0
117.00	Appurtenance(s)	1.00	1.31	7.794	8.57	0.00	1.200	1.136	2.00	4.712	5.65	48.5	75.3	280.9
119.00	Top - Section 4	1.00	1.32	7.822	8.60	0.00	1.200	1.138	2.00	4.713	5.66	48.7	75.4	281.1
120.00		1.00	1.32	7.835	8.62	0.00	1.200	1.139	1.00	2.356	2.83	24.4	37.8	161.0
125.00		1.00	1.33	7.902	8.69	0.00	1.200	1.143	5.00	11.786	14.14	122.9	189.6	805.9
128.00	Appurtenance(s)	1.00	1.34	7.942	8.74	0.00	1.200	1.146	3.00	7.073	8.49	74.1	114.0	483.8
130.00		1.00	1.34	7.967	8.76	0.00	1.200	1.148	2.00	4.716	5.66	49.6	76.1	322.7
134.00	Appurtenance(s)	1.00	1.35	8.018	8.82	0.00	1.200	1.151	4.00	9.434	11.32	99.8	152.8	645.8
								Totals:	**134.00**			**3,743.8**		**28,686.8**

Discrete Appurtenance Forces

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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 23

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	134.00	Lightning rod	1	8.018	8.820	1.00	1.00	1.10	26.45	0.000	0.000	9.68	0.00	0.00
2	128.00	B2 B66A 8843	3	7.942	8.736	0.54	0.80	3.18	324.48	0.000	0.000	27.80	0.00	0.00
3	128.00	TPA65R-BU8D	3	7.942	8.736	0.58	0.80	32.92	1810.27	0.000	0.000	287.56	0.00	0.00
4	128.00	AIR 6449 N77	3	7.942	8.736	0.68	0.80	9.55	619.78	0.000	0.000	83.41	0.00	0.00
5	128.00	Cci Antennas	3	7.942	8.736	0.58	0.80	33.37	1414.06	0.000	0.000	291.55	0.00	0.00
6	128.00	RRUS 4478 B14	3	7.942	8.736	0.54	0.80	3.20	267.33	0.000	0.000	27.96	0.00	0.00
7	128.00	4449 B5/B12	3	7.942	8.736	0.54	0.80	3.75	319.96	0.000	0.000	32.72	0.00	0.00
8	128.00	Radio 4415 B30	3	7.942	8.736	0.54	0.80	3.56	274.19	0.000	0.000	31.13	0.00	0.00
9	128.00	Ericsson AIR 6419 B77G	3	7.942	8.736	0.68	0.80	9.61	375.77	0.000	0.000	83.99	0.00	0.00
10	128.00	(3) SitePro	1	7.942	8.736	0.75	0.75	69.40	5704.19	0.000	0.000	606.27	0.00	0.00
11	128.00	Ericsson Radio 2012 B29	3	7.942	8.736	0.54	0.80	3.56	266.99	0.000	0.000	31.13	0.00	0.00
12	128.00	DC9-48-60-24-8C-EV	3	7.942	8.736	0.60	0.80	3.93	251.83	0.000	0.000	34.31	0.00	0.00
13	128.00	RRUS 4415 B25	3	7.942	8.736	0.54	0.80	3.18	218.38	0.000	0.000	27.79	0.00	0.00
14	128.00	DC6-48-60-18-8C-EV	1	7.942	8.736	0.60	0.80	3.22	144.89	0.000	0.000	28.10	0.00	0.00
15	117.00	VHLP2.5-11	2	7.794	8.573	1.00	1.00	19.08	243.88	1.583	0.000	163.59	259.02	0.00
16	117.00	LP Platform w/ Handrail	1	7.794	8.573	1.00	1.00	68.15	3656.07	0.000	0.000	584.31	0.00	0.00
17	117.00	NNVV-65B-R4	3	7.794	8.573	0.55	0.75	22.01	739.58	0.000	0.000	188.68	0.00	0.00
18	117.00	AAHC	3	7.794	8.573	0.56	0.75	8.00	504.55	0.000	0.000	68.55	0.00	0.00
19	117.00	TD-RRH8x20-25	3	7.794	8.573	0.50	0.75	6.88	452.30	0.000	0.000	58.99	0.00	0.00
20	117.00	800 MHz RRH	6	7.794	8.573	0.50	0.75	9.75	543.83	0.000	0.000	83.61	0.00	0.00
21	117.00	1900 MHz RRH	3	7.794	8.573	0.50	0.75	5.42	307.21	0.000	0.000	46.47	0.00	0.00
22	98.00	KRY 112 489/2	3	7.511	8.262	0.50	0.75	1.57	77.67	0.000	0.000	12.97	0.00	0.00
23	98.00	RRUS 4415 B25	3	7.511	8.262	0.50	0.75	2.97	216.26	0.000	0.000	24.53	0.00	0.00
24	98.00	4449 B71+ B85	3	7.511	8.262	0.50	0.75	2.99	371.14	0.000	0.000	24.66	0.00	0.00
25	98.00	Air 32	4	7.511	8.262	0.65	0.75	18.97	1075.51	0.000	0.000	156.69	0.00	0.00
26	98.00	APX16DWV-16DWV-S-E-	3	7.511	8.262	0.46	0.75	9.98	388.09	0.000	0.000	82.47	0.00	0.00
27	98.00	KRY 112 144/1	3	7.511	8.262	0.50	0.75	1.08	54.39	0.000	0.000	8.89	0.00	0.00
28	98.00	AIR 6449 B41	3	7.511	8.262	0.52	0.75	11.35	774.85	0.000	0.000	93.76	0.00	0.00
29	98.00	APXVAARR24_43-U-NA2	3	7.511	8.262	0.52	0.75	33.77	1226.21	0.000	0.000	278.99	0.00	0.00
30	98.00	LP Platform w/ Handrail	1	7.511	8.262	1.00	1.00	66.54	3788.83	0.000	0.000	549.74	0.00	0.00
31	86.00	Samsung MT6407-77A	3	7.310	8.040	0.53	0.75	8.42	472.93	0.000	0.000	67.69	0.00	0.00
32	86.00	Low Profile	1	7.310	8.040	1.00	1.00	33.15	2326.35	0.000	0.000	266.54	0.00	0.00
33	86.00	Antel	3	7.310	8.040	0.67	0.75	11.08	174.94	0.000	0.000	89.09	0.00	0.00
34	86.00	JMA MX06FR0660-03	6	7.310	8.040	0.66	0.75	42.43	941.23	0.000	0.000	341.13	0.00	0.00
35	86.00	Raycap	1	7.310	8.040	0.75	0.75	3.43	85.13	0.000	0.000	27.61	0.00	0.00
36	86.00	Samsung B2/B66A	3	7.310	8.040	0.64	0.75	4.25	362.42	0.000	0.000	34.20	0.00	0.00
37	86.00	Samsung B5/B13	3	7.310	8.040	0.59	0.75	3.95	309.37	0.000	0.000	31.78	0.00	0.00
38	86.00	HRK12 (Handrail Kit)	1	7.310	8.040	1.00	1.00	10.91	771.87	0.000	0.000	87.76	0.00	0.00
39	86.00	Kaelus BSF0020F3V1-1	4	7.310	8.040	0.52	0.75	2.51	89.94	0.000	0.000	20.15	0.00	0.00
							Totals:		**31,973.12**			**4,996.25**		

Total Applied Force Summary

Structure:	CT13070-A-01		**Code:**	TIA-222-H	7/7/2023
Site Name:	Waterbury 4, CT		**Exposure:**	C	
Height:	134.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (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 23

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		142.62	1719.64	0.00	0.00
10.00		139.89	1705.35	0.00	0.00
15.00		138.75	1684.47	0.00	0.00
20.00		143.84	1660.44	0.00	0.00
25.00		147.19	1634.53	0.00	0.00
30.00		149.34	1607.35	0.00	0.00
35.00		150.59	1579.24	0.00	0.00
40.00		151.13	1550.42	0.00	0.00
45.00		151.10	1521.03	0.00	0.00
48.25		97.59	973.13	0.00	0.00
50.00		53.06	798.10	0.00	0.00
53.25		98.57	1464.94	0.00	0.00
55.00		52.75	461.62	0.00	0.00
60.00		150.77	1299.75	0.00	0.00
65.00		149.23	1273.26	0.00	0.00
70.00		147.42	1246.52	0.00	0.00
75.00		145.36	1219.55	0.00	0.00
80.00		143.07	1192.38	0.00	0.00
85.00		140.58	1165.02	0.00	0.00
86.00	(25) attachments	993.62	5764.34	0.00	0.00
90.00		109.97	807.85	0.00	0.00
95.00		135.05	984.32	0.00	0.00
98.00	(26) attachments	1312.13	8550.95	0.00	0.00
100.00		53.12	530.25	0.00	0.00
101.75		46.06	458.09	0.00	0.00
105.00		84.64	472.49	0.00	0.00
109.00		102.35	567.41	0.00	0.00
110.00		23.92	153.86	0.00	0.00
115.00		120.74	770.33	0.00	0.00
117.00	(21) attachments	1242.66	6755.72	259.02	0.00
119.00		48.65	298.41	0.00	0.00
120.00		24.37	169.70	0.00	0.00
125.00		122.94	849.45	0.00	0.00
128.00	(35) attachments	1667.86	12502.13	0.00	0.00
130.00		49.60	334.15	0.00	0.00
134.00	(1) attachments	109.53	695.31	0.00	0.00
	Totals:	**8,740.06**	**66,421.50**	**259.02**	**0.00**

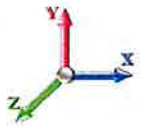
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 24	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 23

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	0.86	0.00	0.020	0.000	5.055	0.00	7.27
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.97	0.00	0.020	0.000	5.055	0.00	12.80
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.90	0.00	0.021	0.000	5.055	0.00	7.91
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.01	0.00	0.021	0.000	5.055	0.00	13.48
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.93	0.00	0.021	0.000	5.118	0.00	8.34
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.04	0.00	0.021	0.000	5.118	0.00	13.95
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.95	0.00	0.022	0.000	5.419	0.00	8.67
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.06	0.00	0.022	0.000	5.419	0.00	14.31
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.97	0.00	0.022	0.000	5.668	0.00	8.94
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.08	0.00	0.022	0.000	5.668	0.00	14.60
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.99	0.00	0.023	0.000	5.882	0.00	9.18
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.09	0.00	0.023	0.000	5.882	0.00	14.85
35.00	Safety Cable	Yes	5.00	0.000	0.38	1.00	0.00	0.023	0.000	6.070	0.00	9.38
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.10	0.00	0.023	0.000	6.070	0.00	15.07
40.00	Safety Cable	Yes	5.00	0.000	0.38	1.01	0.00	0.024	0.000	6.239	0.00	9.57
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.11	0.00	0.024	0.000	6.239	0.00	15.27
45.00	Safety Cable	Yes	5.00	0.000	0.38	1.02	0.00	0.025	0.000	6.392	0.00	9.73
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.12	0.00	0.025	0.000	6.392	0.00	15.44
48.25	Safety Cable	Yes	3.25	0.000	0.38	0.67	0.00	0.025	0.000	6.484	0.00	6.39
48.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.73	0.00	0.025	0.000	6.484	0.00	10.11
50.00	Safety Cable	Yes	1.75	0.000	0.38	0.36	0.00	0.026	0.000	6.532	0.00	3.46
50.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.40	0.00	0.026	0.000	6.532	0.00	5.46
53.25	Safety Cable	Yes	3.25	0.000	0.38	0.67	0.00	0.026	0.000	6.618	0.00	6.48
53.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.74	0.00	0.026	0.000	6.618	0.00	10.21
55.00	Safety Cable	Yes	1.75	0.000	0.38	0.36	0.00	0.026	0.000	6.662	0.00	3.51
55.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.40	0.00	0.026	0.000	6.662	0.00	5.51
60.00	Safety Cable	Yes	5.00	0.000	0.38	1.04	0.00	0.026	0.000	6.783	0.00	10.15
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.15	0.00	0.026	0.000	6.783	0.00	15.89
65.00	Safety Cable	Yes	5.00	0.000	0.38	1.05	0.00	0.027	0.000	6.897	0.00	10.28
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.16	0.00	0.027	0.000	6.897	0.00	16.03
70.00	Safety Cable	Yes	5.00	0.000	0.38	1.06	0.00	0.028	0.000	7.003	0.00	10.39
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.16	0.00	0.028	0.000	7.003	0.00	16.15
75.00	Safety Cable	Yes	5.00	0.000	0.38	1.06	0.00	0.029	0.000	7.104	0.00	10.50
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.17	0.00	0.029	0.000	7.104	0.00	16.26
80.00	Safety Cable	Yes	5.00	0.000	0.38	1.07	0.00	0.030	0.000	7.200	0.00	10.60
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.17	0.00	0.030	0.000	7.200	0.00	16.37
85.00	Safety Cable	Yes	5.00	0.000	0.38	1.08	0.00	0.031	0.000	7.292	0.00	10.70
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.18	0.00	0.031	0.000	7.292	0.00	16.48
86.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.031	0.000	7.310	0.00	2.14
86.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.031	0.000	7.310	0.00	3.30
90.00	Safety Cable	Yes	4.00	0.000	0.38	0.86	0.00	0.032	0.000	7.379	0.00	8.63
90.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.95	0.00	0.032	0.000	7.379	0.00	13.26
95.00	Safety Cable	Yes	5.00	0.000	0.38	1.09	0.00	0.033	0.000	7.463	0.00	10.88
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.19	0.00	0.033	0.000	7.463	0.00	16.67
98.00	Safety Cable	Yes	3.00	0.000	0.38	0.65	0.00	0.034	0.000	7.511	0.00	6.56
98.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.72	0.00	0.034	0.000	7.511	0.00	10.04
100.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.035	0.000	7.543	0.00	4.39

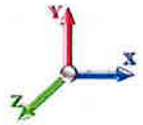
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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 23

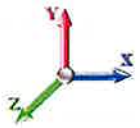
Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.035	0.000	7.543	0.00	6.70
101.75	Safety Cable	Yes	1.75	0.000	0.38	0.38	0.00	0.035	0.000	7.570	0.00	3.85
101.75	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.42	0.00	0.035	0.000	7.570	0.00	5.88
105.00	Safety Cable	Yes	3.25	0.000	0.38	0.71	0.00	0.035	0.000	7.620	0.00	7.18
105.00	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.78	0.00	0.035	0.000	7.620	0.00	10.95
109.00	Safety Cable	Yes	4.00	0.000	0.38	0.88	0.00	0.036	0.000	7.680	0.00	8.89
109.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.96	0.00	0.036	0.000	7.680	0.00	13.53
110.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.039	0.000	7.694	0.00	2.23
110.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.039	0.000	7.694	0.00	3.39
115.00	Safety Cable	Yes	5.00	0.000	0.38	1.10	0.00	0.039	0.000	7.766	0.00	11.21
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.21	0.00	0.039	0.000	7.766	0.00	17.01
117.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.039	0.000	7.794	0.00	4.49
117.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.039	0.000	7.794	0.00	6.82
119.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.039	0.000	7.822	0.00	4.51
119.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.039	0.000	7.822	0.00	6.83
120.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.039	0.000	7.835	0.00	2.26
120.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.039	0.000	7.835	0.00	3.42
125.00	Safety Cable	Yes	5.00	0.000	0.38	1.11	0.00	0.039	0.000	7.902	0.00	11.35
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.22	0.00	0.039	0.000	7.902	0.00	17.17
128.00	Safety Cable	Yes	3.00	0.000	0.38	0.67	0.00	0.039	0.000	7.942	0.00	6.83
128.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.73	0.00	0.039	0.000	7.942	0.00	10.33
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.039	0.000	7.967	0.00	4.57
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.039	0.000	7.967	0.00	6.90
134.00	Safety Cable	Yes	4.00	0.000	0.38	0.89	0.00	0.039	0.000	8.018	0.00	9.18
134.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.98	0.00	0.039	0.000	8.018	0.00	13.84
										Totals:	**0.0**	**694.9**

Calculated Forces

Structure: CT13070-A-01
Site Name: Waterbury 4, CT
Height: 134.00 (ft)
Base Elev: 1.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/7/2023
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 23

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	-66.42	-8.78	-0.26	-869.52	0.00	869.52	3976.93	1023.83	4163.63	4011.62	0.00	0.000	0.000	0.234
5.00	-64.69	-8.71	-0.26	-825.63	0.00	825.63	3920.48	1001.47	3983.76	3867.66	0.04	-0.068	0.000	0.230
10.00	-62.97	-8.65	-0.26	-782.06	0.00	782.06	3862.67	979.11	3807.86	3724.90	0.14	-0.137	0.000	0.226
15.00	-61.28	-8.58	-0.26	-738.83	0.00	738.83	3803.51	956.76	3635.94	3583.42	0.33	-0.207	0.000	0.222
20.00	-59.61	-8.50	-0.26	-695.94	0.00	695.94	3742.99	934.40	3467.98	3443.32	0.58	-0.278	0.000	0.218
25.00	-57.96	-8.42	-0.26	-653.43	0.00	653.43	3681.11	912.04	3304.00	3304.69	0.91	-0.349	0.000	0.214
30.00	-56.34	-8.33	-0.26	-611.35	0.00	611.35	3617.88	889.68	3143.99	3167.62	1.31	-0.421	0.000	0.209
35.00	-54.76	-8.23	-0.26	-569.71	0.00	569.71	3553.28	867.32	2987.95	3032.20	1.79	-0.493	0.000	0.203
40.00	-53.20	-8.14	-0.26	-528.54	0.00	528.54	3487.33	844.96	2835.88	2898.52	2.35	-0.566	0.000	0.198
45.00	-51.67	-8.02	-0.26	-487.86	0.00	487.86	3420.03	822.60	2687.78	2766.66	2.98	-0.638	0.000	0.192
48.25	-50.69	-7.95	-0.26	-461.78	0.00	461.78	3375.55	808.07	2593.65	2681.98	3.43	-0.686	0.000	0.187
50.00	-49.89	-7.92	-0.26	-447.88	0.00	447.88	3351.36	800.24	2543.66	2636.73	3.69	-0.712	0.000	0.185
53.25	-48.42	-7.83	-0.26	-422.15	0.00	422.15	2647.50	666.72	2118.80	2085.88	4.19	-0.760	0.000	0.221
55.00	-47.95	-7.82	-0.26	-408.45	0.00	408.45	2630.02	660.20	2077.55	2051.68	4.47	-0.785	0.000	0.217
60.00	-46.65	-7.71	-0.26	-369.37	0.00	369.37	2579.17	641.57	1961.94	1954.76	5.34	-0.866	0.000	0.207
65.00	-45.36	-7.60	-0.26	-330.81	0.00	330.81	2526.96	622.94	1849.64	1859.10	6.29	-0.946	0.000	0.196
70.00	-44.11	-7.49	-0.26	-292.79	0.00	292.79	2473.39	604.31	1740.65	1764.79	7.32	-1.023	-0.001	0.184
75.00	-42.88	-7.38	-0.26	-255.32	0.00	255.32	2418.47	585.67	1634.96	1671.92	8.43	-1.097	-0.001	0.171
80.00	-41.69	-7.26	-0.26	-218.42	0.00	218.42	2362.18	567.04	1532.59	1580.58	9.62	-1.168	-0.001	0.156
85.00	-40.52	-7.13	-0.26	-182.10	0.00	182.10	2304.54	548.41	1433.52	1490.86	10.88	-1.234	-0.001	0.140
86.00	-34.78	-6.03	-0.26	-174.97	0.00	174.97	2292.85	544.68	1414.11	1473.12	11.14	-1.247	-0.001	0.134
90.00	-33.96	-5.93	-0.26	-150.87	-0.01	150.87	2242.72	529.78	1337.77	1401.09	12.21	-1.295	-0.001	0.123
95.00	-32.98	-5.80	-0.26	-121.22	-0.01	121.22	2163.84	511.14	1245.33	1303.79	13.59	-1.350	-0.001	0.108
98.00	-24.46	-4.29	-0.26	-103.84	-0.01	103.84	2116.52	499.96	1191.45	1247.09	14.45	-1.380	-0.001	0.095
100.00	-23.93	-4.23	-0.26	-95.26	-0.01	95.26	2084.97	492.51	1156.19	1209.99	15.03	-1.399	-0.001	0.090
101.75	-23.47	-4.18	-0.26	-87.85	-0.01	87.85	1611.41	396.63	937.27	943.49	15.55	-1.415	-0.001	0.108
105.00	-23.00	-4.10	-0.26	-74.25	-0.01	74.25	1583.50	386.94	892.04	904.30	16.52	-1.443	-0.001	0.097
109.00	-22.43	-3.99	-0.26	-57.85	-0.01	57.85	1548.36	375.01	837.91	856.74	17.75	-1.478	-0.001	0.082
109.00	-22.43	-3.99	-0.26	-57.85	-0.01	57.85	933.38	285.53	41725.7	590.00	17.75	-1.478	-0.001	0.122
110.00	-22.28	-3.97	-0.26	-53.86	-0.01	53.86	933.38	285.53	41725.7	590.00	18.06	-1.486	-0.001	0.115
115.00	-21.51	-3.84	-0.26	-34.00	-0.01	34.00	933.38	285.53	41725.7	590.00	19.63	-1.516	-0.002	0.081
117.00	-14.79	-2.42	0.00	-26.33	0.00	26.33	933.38	285.53	41725.7	590.00	20.27	-1.524	-0.002	0.061
119.00	-14.49	-2.36	0.00	-21.49	0.00	21.49	933.38	285.53	41725.7	590.00	20.91	-1.530	-0.002	0.052
119.00	-14.49	-2.36	0.00	-21.49	0.00	21.49	950.95	285.28	54712.4	624.60	20.91	-1.530	-0.002	0.050
120.00	-14.32	-2.34	0.00	-19.13	0.00	19.13	950.95	285.28	54712.4	624.60	21.23	-1.533	-0.002	0.046
125.00	-13.48	-2.19	0.00	-7.46	0.00	7.46	950.95	285.28	54712.4	624.60	22.84	-1.541	-0.002	0.026
128.00	-1.02	-0.19	0.00	-0.89	0.00	0.89	950.95	285.28	54712.4	624.60	23.81	-1.542	-0.002	0.002
130.00	-0.69	-0.13	0.00	-0.51	0.00	0.51	950.95	285.28	54712.4	624.60	24.45	-1.543	-0.002	0.002
134.00	0.00	-0.11	0.00	0.00	0.00	0.00	950.95	285.28	54712.4	624.60	25.74	-1.543	-0.002	0.000

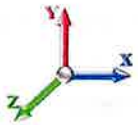
Seismic Segment Forces (Factored)

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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

Gust Response Factor	1.10			**Sds**	0.21	**Iterations**	21
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.19
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33	**SA**	0.03	**S1**	0.05
						Seismic Importance Factor	1.00



Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	
5.00		1254.0	2.50	51.90	0.01	
10.00		1232.3	7.50	51.00	0.05	
15.00		1210.6	12.50	50.11	0.15	
20.00		1188.9	17.50	49.21	0.28	
25.00		1167.3	22.50	48.31	0.44	
30.00		1145.6	27.50	47.41	0.64	
35.00		1123.9	32.50	46.52	0.86	
40.00		1102.2	37.50	45.62	1.10	
45.00		1080.6	42.50	44.72	1.35	
48.25	Bot - Section 2	690.77	46.63	28.59	0.66	
50.00		599.60	49.13	24.82	0.56	
53.25	Top - Section 1	1100.6	51.63	45.55	2.07	
55.00		320.42	54.13	13.26	0.19	
60.00		903.30	57.50	37.38	1.73	
65.00		885.24	62.50	36.64	1.96	
70.00		867.18	67.50	35.89	2.20	
75.00		849.11	72.50	35.14	2.43	
80.00		831.05	77.50	34.39	2.66	
85.00		812.99	82.50	33.65	2.88	
86.00	Appurtenance(s)	3154.9	85.50	130.57	46.64	
90.00		534.08	88.00	22.10	1.42	
95.00		651.34	92.50	26.96	2.33	
98.00	Bot - Section 3	4692.8	96.50	194.22	131.44	
100.00		368.60	99.00	15.26	0.85	
101.75	Top - Section 2	318.26	100.88	13.17	0.66	
105.00		278.06	103.38	11.51	0.53	
109.00	Top - Section 3	333.84	107.00	13.82	0.82	
110.00		95.27	109.50	3.94	0.07	
115.00		476.36	112.50	19.71	1.84	
117.00	Appurtenance(s)	4008.4	116.00	165.90	138.57	
119.00	Top - Section 4	180.51	118.00	7.47	0.29	
120.00		107.30	119.50	4.44	0.11	
125.00		536.51	122.50	22.20	2.77	
128.00	Appurtenance(s)	5597.3	126.50	231.66	321.34	
130.00		208.60	129.00	8.63	0.46	
134.00	Appurtenance(s)	423.70	132.00	17.54	2.00	
	Totals:	**40,332.2**		**1,669.2**	**674.3**	**Total Wind:** **32,853.9**

Calculated Forces

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.21			**Iterations**	21
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.19
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33	**SA**	0.03			**S1**	0.05
								Seismic Importance Factor	1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-49.01	-0.68	0.00	-82.00	0.00	82.00	3976.93	1023.83	4163.63	4011.62		0.00	0.00	0.033
5.00	-47.51	-0.68	0.00	-78.62	0.00	78.62	3920.48	1001.47	3983.76	3867.66		0.00	-0.01	0.032
10.00	-46.03	-0.69	0.00	-75.21	0.00	75.21	3862.67	979.11	3807.86	3724.90		0.01	-0.01	0.032
15.00	-44.59	-0.69	0.00	-71.77	0.00	71.77	3803.51	956.76	3635.94	3583.42		0.03	-0.02	0.032
20.00	-43.16	-0.70	0.00	-68.31	0.00	68.31	3742.99	934.40	3467.98	3443.32		0.06	-0.03	0.031
25.00	-41.77	-0.70	0.00	-64.83	0.00	64.83	3681.11	912.04	3304.00	3304.69		0.09	-0.03	0.031
30.00	-40.40	-0.70	0.00	-61.33	0.00	61.33	3617.88	889.68	3143.99	3167.62		0.13	-0.04	0.031
35.00	-39.06	-0.71	0.00	-57.82	0.00	57.82	3553.28	867.32	2987.95	3032.20		0.17	-0.05	0.030
40.00	-37.75	-0.71	0.00	-54.28	0.00	54.28	3487.33	844.96	2835.88	2898.52		0.23	-0.06	0.030
45.00	-36.46	-0.71	0.00	-50.74	0.00	50.74	3420.03	822.60	2687.78	2766.66		0.29	-0.06	0.029
48.25	-35.64	-0.71	0.00	-48.43	0.00	48.43	3375.55	808.07	2593.65	2681.98		0.33	-0.07	0.029
50.00	-34.91	-0.71	0.00	-47.18	0.00	47.18	3351.36	800.24	2543.66	2636.73		0.36	-0.07	0.028
53.25	-33.58	-0.71	0.00	-44.87	0.00	44.87	2647.50	666.72	2118.80	2085.88		0.41	-0.08	0.034
55.00	-33.20	-0.71	0.00	-43.62	0.00	43.62	2630.02	660.20	2077.55	2051.68		0.44	-0.08	0.034
60.00	-32.14	-0.72	0.00	-40.05	0.00	40.05	2579.17	641.57	1961.94	1954.76		0.53	-0.09	0.033
65.00	-31.09	-0.72	0.00	-36.48	0.00	36.48	2526.96	622.94	1849.64	1859.10		0.62	-0.10	0.032
70.00	-30.07	-0.72	0.00	-32.90	0.00	32.90	2473.39	604.31	1740.65	1764.79		0.73	-0.10	0.031
75.00	-29.07	-0.72	0.00	-29.31	0.00	29.31	2418.47	585.67	1634.96	1671.92		0.84	-0.11	0.030
80.00	-28.09	-0.72	0.00	-25.73	0.00	25.73	2362.18	567.04	1532.59	1580.58		0.96	-0.12	0.028
85.00	-27.14	-0.71	0.00	-22.15	0.00	22.15	2304.54	548.41	1433.52	1490.86		1.09	-0.13	0.027
86.00	-23.23	-0.66	0.00	-21.44	0.00	21.44	2292.85	544.68	1414.11	1473.12		1.12	-0.13	0.025
90.00	-22.59	-0.66	0.00	-18.80	0.00	18.80	2242.72	529.78	1337.77	1401.09		1.23	-0.14	0.023
95.00	-21.81	-0.66	0.00	-15.51	0.00	15.51	2163.84	511.14	1245.33	1303.79		1.38	-0.14	0.022
98.00	-16.01	-0.51	0.00	-13.54	0.00	13.54	2116.52	499.96	1191.45	1247.09		1.47	-0.15	0.018
100.00	-15.55	-0.51	0.00	-12.52	0.00	12.52	2084.97	492.51	1156.19	1209.99		1.53	-0.15	0.018
101.75	-15.16	-0.51	0.00	-11.62	0.00	11.62	1611.41	396.63	937.27	943.49		1.59	-0.15	0.022
105.00	-14.82	-0.51	0.00	-9.97	0.00	9.97	1583.50	386.94	892.04	904.30		1.70	-0.16	0.020
109.00	-14.41	-0.51	0.00	-7.93	0.00	7.93	1548.36	375.01	837.91	856.74		1.83	-0.16	0.019
109.00	-14.41	-0.51	0.00	-7.93	0.00	7.93	933.38	285.53	41725.7	590.00		1.83	-0.16	0.029
110.00	-14.30	-0.51	0.00	-7.42	0.00	7.42	933.38	285.53	41725.7	590.00		1.86	-0.16	0.028
115.00	-13.72	-0.51	0.00	-4.89	0.00	4.89	933.38	285.53	41725.7	590.00		2.03	-0.17	0.023
117.00	-8.74	-0.35	0.00	-3.87	0.00	3.87	933.38	285.53	41725.7	590.00		2.10	-0.17	0.016
119.00	-8.52	-0.35	0.00	-3.17	0.00	3.17	933.38	285.53	41725.7	590.00		2.17	-0.17	0.015
119.00	-8.52	-0.35	0.00	-3.17	0.00	3.17	950.95	285.28	54712.4	624.60		2.17	-0.17	0.014
120.00	-8.39	-0.35	0.00	-2.82	0.00	2.82	950.95	285.28	54712.4	624.60		2.21	-0.17	0.013
125.00	-7.73	-0.35	0.00	-1.06	0.00	1.06	950.95	285.28	54712.4	624.60		2.39	-0.17	0.010
128.00	-0.78	0.00	0.00	-0.02	0.00	0.02	950.95	285.28	54712.4	624.60		2.49	-0.17	0.001
130.00	-0.52	0.00	0.00	-0.01	0.00	0.01	950.95	285.28	54712.4	624.60		2.56	-0.17	0.001
134.00	0.00	0.00	0.00	0.00	0.00	0.00	950.95	285.28	54712.4	624.60		2.71	-0.17	0.000

Seismic Segment Forces (Factored)

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 29	

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.21	**Iterations**	21
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.19
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33	**SA**	0.03	**S1**	0.05
						Seismic Importance Factor	1.00

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		1185.9	2.50	49.08	0.01
10.00		1164.2	7.50	48.19	0.05
15.00		1142.5	12.50	47.29	0.13
20.00		1120.9	17.50	46.39	0.25
25.00		1099.2	22.50	45.49	0.40
30.00		1077.5	27.50	44.60	0.57
35.00		1055.8	32.50	43.70	0.76
40.00		1034.2	37.50	42.80	0.97
45.00		1012.5	42.50	41.91	1.20
48.25	Bot - Section 2	646.52	46.63	26.76	0.59
50.00		575.78	49.13	23.83	0.52
53.25	Top - Section 1	1056.3	51.63	43.72	1.92
55.00		296.60	54.13	12.28	0.17
60.00		835.23	57.50	34.57	1.49
65.00		817.16	62.50	33.82	1.69
70.00		799.10	67.50	33.07	1.88
75.00		781.04	72.50	32.32	2.07
80.00		762.97	77.50	31.58	2.26
85.00		744.91	82.50	30.83	2.44
86.00	Appurtenance(s)	3141.3	85.50	130.01	46.66
90.00		504.72	88.00	20.89	1.28
95.00		614.64	92.50	25.44	2.09
98.00	Bot - Section 3	4670.8	96.50	193.31	131.40
100.00		363.81	99.00	15.06	0.84
101.75	Top - Section 2	314.06	100.88	13.00	0.65
105.00		270.26	103.38	11.19	0.50
109.00	Top - Section 3	324.25	107.00	13.42	0.78
110.00		92.87	109.50	3.84	0.07
115.00		464.37	112.50	19.22	1.77
117.00	Appurtenance(s)	4003.6	116.00	165.70	139.50
119.00	Top - Section 4	178.22	118.00	7.38	0.29
120.00		106.16	119.50	4.39	0.10
125.00		530.79	122.50	21.97	2.73
128.00	Appurtenance(s)	5593.9	126.50	231.52	323.86
130.00		207.81	129.00	8.60	0.46
134.00	Appurtenance(s)	422.13	132.00	17.47	2.01
	Totals:	**39,012.8**		**1,614.6**	**674.3**

Total Wind: **32,853.9**

Calculated Forces

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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**	21
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.19
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33	**SA**	0.03	**Seismic Importance Factor**	1.00	**S1**	0.05

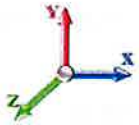
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-37.12	-0.68	0.00	-80.96	0.00	80.96	3976.93	1023.83	4163.63	4011.62		0.00	0.00	0.030
5.00	-35.98	-0.68	0.00	-77.58	0.00	77.58	3920.48	1001.47	3983.76	3867.66		0.00	-0.01	0.029
10.00	-34.87	-0.68	0.00	-74.18	0.00	74.18	3862.67	979.11	3807.86	3724.90		0.01	-0.01	0.029
15.00	-33.77	-0.69	0.00	-70.76	0.00	70.76	3803.51	956.76	3635.94	3583.42		0.03	-0.02	0.029
20.00	-32.70	-0.69	0.00	-67.33	0.00	67.33	3742.99	934.40	3467.98	3443.32		0.05	-0.03	0.028
25.00	-31.64	-0.69	0.00	-63.88	0.00	63.88	3681.11	912.04	3304.00	3304.69		0.09	-0.03	0.028
30.00	-30.61	-0.70	0.00	-60.41	0.00	60.41	3617.88	889.68	3143.99	3167.62		0.12	-0.04	0.028
35.00	-29.59	-0.70	0.00	-56.93	0.00	56.93	3553.28	867.32	2987.95	3032.20		0.17	-0.05	0.027
40.00	-28.60	-0.70	0.00	-53.44	0.00	53.44	3487.33	844.96	2835.88	2898.52		0.22	-0.05	0.027
45.00	-27.62	-0.70	0.00	-49.94	0.00	49.94	3420.03	822.60	2687.78	2766.66		0.29	-0.06	0.026
48.25	-27.00	-0.70	0.00	-47.66	0.00	47.66	3375.55	808.07	2593.65	2681.98		0.33	-0.07	0.026
50.00	-26.45	-0.70	0.00	-46.44	0.00	46.44	3351.36	800.24	2543.66	2636.73		0.35	-0.07	0.026
53.25	-25.45	-0.70	0.00	-44.16	0.00	44.16	2647.50	666.72	2118.80	2085.88		0.40	-0.07	0.031
55.00	-25.16	-0.70	0.00	-42.93	0.00	42.93	2630.02	660.20	2077.55	2051.68		0.43	-0.08	0.030
60.00	-24.35	-0.70	0.00	-39.42	0.00	39.42	2579.17	641.57	1961.94	1954.76		0.52	-0.09	0.030
65.00	-23.56	-0.70	0.00	-35.90	0.00	35.90	2526.96	622.94	1849.64	1859.10		0.61	-0.09	0.029
70.00	-22.79	-0.70	0.00	-32.38	0.00	32.38	2473.39	604.31	1740.65	1764.79		0.72	-0.10	0.028
75.00	-22.03	-0.70	0.00	-28.87	0.00	28.87	2418.47	585.67	1634.96	1671.92		0.83	-0.11	0.026
80.00	-21.29	-0.70	0.00	-25.35	0.00	25.35	2362.18	567.04	1532.59	1580.58		0.95	-0.12	0.025
85.00	-20.57	-0.70	0.00	-21.83	0.00	21.83	2304.54	548.41	1433.52	1490.86		1.08	-0.13	0.024
86.00	-17.61	-0.65	0.00	-21.13	0.00	21.13	2292.85	544.68	1414.11	1473.12		1.11	-0.13	0.022
90.00	-17.13	-0.65	0.00	-18.54	0.00	18.54	2242.72	529.78	1337.77	1401.09		1.22	-0.13	0.021
95.00	-16.54	-0.65	0.00	-15.30	0.00	15.30	2163.84	511.14	1245.33	1303.79		1.36	-0.14	0.019
98.00	-12.13	-0.50	0.00	-13.36	0.00	13.36	2116.52	499.96	1191.45	1247.09		1.45	-0.15	0.016
100.00	-11.79	-0.50	0.00	-12.35	0.00	12.35	2084.97	492.51	1156.19	1209.99		1.51	-0.15	0.016
101.75	-11.49	-0.50	0.00	-11.47	0.00	11.47	1611.41	396.63	937.27	943.49		1.57	-0.15	0.019
105.00	-11.24	-0.50	0.00	-9.84	0.00	9.84	1583.50	386.94	892.04	904.30		1.67	-0.15	0.018
109.00	-10.93	-0.50	0.00	-7.83	0.00	7.83	1548.36	375.01	837.91	856.74		1.80	-0.16	0.016
109.00	-10.93	-0.50	0.00	-7.83	0.00	7.83	933.38	285.53	41725.7	590.00		1.80	-0.16	0.025
110.00	-10.84	-0.50	0.00	-7.33	0.00	7.33	933.38	285.53	41725.7	590.00		1.83	-0.16	0.024
115.00	-10.40	-0.50	0.00	-4.83	0.00	4.83	933.38	285.53	41725.7	590.00		2.00	-0.16	0.019
117.00	-6.63	-0.35	0.00	-3.83	0.00	3.83	933.38	285.53	41725.7	590.00		2.07	-0.16	0.014
119.00	-6.46	-0.35	0.00	-3.14	0.00	3.14	933.38	285.53	41725.7	590.00		2.14	-0.17	0.012
119.00	-6.46	-0.35	0.00	-3.14	0.00	3.14	950.95	285.28	54712.4	624.60		2.14	-0.17	0.012
120.00	-6.36	-0.35	0.00	-2.79	0.00	2.79	950.95	285.28	54712.4	624.60		2.18	-0.17	0.011
125.00	-5.86	-0.34	0.00	-1.05	0.00	1.05	950.95	285.28	54712.4	624.60		2.35	-0.17	0.008
128.00	-0.59	0.00	0.00	-0.02	0.00	0.02	950.95	285.28	54712.4	624.60		2.46	-0.17	0.001
130.00	-0.40	0.00	0.00	-0.01	0.00	0.01	950.95	285.28	54712.4	624.60		2.53	-0.17	0.000
134.00	0.00	0.00	0.00	0.00	0.00	0.00	950.95	285.28	54712.4	624.60		2.67	-0.17	0.000

Wind Loading - Shaft

Structure: CT13070-A-01
Site Name: Waterbury 4, CT
Height: 134.00 (ft)
Base Elev: 1.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/7/2023
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

Load Case: 1.0D + 1.0W 60 mph Wind
Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 23

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	6.513	7.16	228.65	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	6.513	7.16	223.70	0.730	0.000	5.00	20.670	15.09	108.1	0.0	981.7
10.00		1.00	0.85	6.513	7.16	218.74	0.730	0.000	5.00	20.217	14.76	105.7	0.0	960.0
15.00		1.00	0.86	6.594	7.25	215.10	0.730	0.000	5.00	19.764	14.43	104.6	0.0	938.4
20.00		1.00	0.91	6.982	7.68	216.22	0.730	0.000	5.00	19.312	14.10	108.3	0.0	916.7
25.00		1.00	0.95	7.303	8.03	215.89	0.730	0.000	5.00	18.859	13.77	110.6	0.0	895.0
30.00		1.00	0.99	7.579	8.34	214.57	0.730	0.000	5.00	18.406	13.44	112.0	0.0	873.3
35.00		1.00	1.02	7.821	8.60	212.55	0.730	0.000	5.00	17.953	13.11	112.8	0.0	851.7
40.00		1.00	1.05	8.038	8.84	209.97	0.730	0.000	5.00	17.500	12.77	113.0	0.0	830.0
45.00		1.00	1.07	8.235	9.06	206.96	0.730	0.000	5.00	17.047	12.44	112.7	0.0	808.3
48.25	Bot - Section 2	1.00	1.09	8.355	9.19	204.80	0.730	0.000	3.25	10.838	7.91	72.7	0.0	513.8
50.00		1.00	1.10	8.416	9.26	203.59	0.730	0.000	1.75	5.849	4.27	39.5	0.0	504.3
53.25	Top - Section 1	1.00	1.11	8.526	9.38	201.23	0.730	0.000	3.25	10.715	7.82	73.4	0.0	923.6
55.00		1.00	1.12	8.584	9.44	203.23	0.730	0.000	1.75	5.691	4.15	39.2	0.0	225.1
60.00		1.00	1.14	8.739	9.61	199.33	0.730	0.000	5.00	15.953	11.65	112.0	0.0	631.0
65.00		1.00	1.16	8.886	9.77	195.20	0.730	0.000	5.00	15.500	11.31	110.6	0.0	612.9
70.00		1.00	1.18	9.023	9.93	190.88	0.730	0.000	5.00	15.047	10.98	109.0	0.0	594.9
75.00		1.00	1.19	9.154	10.07	186.37	0.730	0.000	5.00	14.594	10.65	107.3	0.0	576.8
80.00		1.00	1.21	9.277	10.20	181.71	0.730	0.000	5.00	14.141	10.32	105.3	0.0	558.8
85.00		1.00	1.23	9.395	10.33	176.91	0.730	0.000	5.00	13.688	9.99	103.3	0.0	540.7
86.00	Appurtenance(s)	1.00	1.23	9.418	10.36	175.93	0.730	0.000	1.00	2.683	1.96	20.3	0.0	106.0
90.00		1.00	1.24	9.507	10.46	171.98	0.730	0.000	4.00	10.552	7.70	80.6	0.0	416.7
95.00		1.00	1.25	9.615	10.58	166.93	0.730	0.000	5.00	12.783	9.33	98.7	0.0	504.6
98.00	Bot - Section 3	1.00	1.26	9.677	10.65	163.85	0.730	0.000	3.00	7.452	5.44	57.9	0.0	294.1
100.00		1.00	1.27	9.718	10.69	161.77	0.730	0.000	2.00	4.962	3.62	38.7	0.0	349.4
101.75	Top - Section 2	1.00	1.27	9.753	10.73	159.94	0.730	0.000	1.75	4.282	3.13	33.5	0.0	301.5
105.00		1.00	1.28	9.818	10.80	159.35	0.730	0.000	3.25	7.806	5.70	61.5	0.0	246.9
109.00	Top - Section 3	1.00	1.29	9.895	10.88	155.09	0.730	0.000	4.00	9.345	6.82	74.2	0.0	295.5
110.00		1.00	1.29	9.913	10.90	146.24	0.600	0.000	1.00	2.167	1.30	14.2	0.0	85.7
115.00		1.00	1.31	10.006	11.01	146.92	0.600	0.000	5.00	10.833	6.50	71.5	0.0	428.4
117.00	Appurtenance(s)	1.00	1.31	10.042	11.05	147.19	0.600	0.000	2.00	4.333	2.60	28.7	0.0	171.4
119.00	Top - Section 4	1.00	1.32	10.077	11.09	147.45	0.600	0.000	2.00	4.333	2.60	28.8	0.0	171.4
120.00		1.00	1.32	10.095	11.10	147.58	0.600	0.000	1.00	2.167	1.30	14.4	0.0	102.7
125.00		1.00	1.33	10.181	11.20	148.21	0.600	0.000	5.00	10.833	6.50	72.8	0.0	513.6
128.00	Appurtenance(s)	1.00	1.34	10.232	11.26	148.57	0.600	0.000	3.00	6.500	3.90	43.9	0.0	308.2
130.00		1.00	1.34	10.265	11.29	148.82	0.600	0.000	2.00	4.333	2.60	29.4	0.0	205.5
134.00	Appurtenance(s)	1.00	1.35	10.330	11.36	149.29	0.600	0.000	4.00	8.667	5.20	59.1	0.0	410.9
								Totals:	**134.00**			**2,688.4**		**18,649.2**

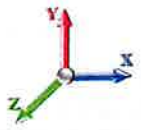
Discrete Appurtenance Forces

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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 23

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	134.00	Lightning rod	1	10.330	11.363	1.00	1.00	0.38	6.50	0.000	0.000	4.32	0.00	0.00
2	128.00	B2 B66A 8843	3	10.232	11.255	0.54	0.80	2.64	216.00	0.000	0.000	29.68	0.00	0.00
3	128.00	TPA65R-BU8D	3	10.232	11.255	0.58	0.80	30.88	435.00	0.000	0.000	347.55	0.00	0.00
4	128.00	AIR 6449 N77	3	10.232	11.255	0.68	0.80	8.43	304.80	0.000	0.000	94.83	0.00	0.00
5	128.00	Cci Antennas	3	10.232	11.255	0.58	0.80	31.31	287.10	0.000	0.000	352.38	0.00	0.00
6	128.00	RRUS 4478 B14	3	10.232	11.255	0.54	0.80	2.65	178.20	0.000	0.000	29.86	0.00	0.00
7	128.00	4449 B5/B12	3	10.232	11.255	0.54	0.80	3.17	213.00	0.000	0.000	35.65	0.00	0.00
8	128.00	Radio 4415 B30	3	10.232	11.255	0.54	0.80	2.99	138.00	0.000	0.000	33.66	0.00	0.00
9	128.00	Ericsson AIR 6419 B77G	3	10.232	11.255	0.66	0.80	8.29	132.00	0.000	0.000	93.27	0.00	0.00
10	128.00	(3) SitePro	1	10.232	11.255	0.75	0.75	38.03	2999.58	0.000	0.000	427.98	0.00	0.00
11	128.00	Ericsson Radio 2012 B29	3	10.232	11.255	0.54	0.80	2.99	129.00	0.000	0.000	33.66	0.00	0.00
12	128.00	DC9-48-60-24-8C-EV	3	10.232	11.255	0.60	0.80	2.05	78.60	0.000	0.000	23.10	0.00	0.00
13	128.00	RRUS 4415 B25	3	10.232	11.255	0.54	0.80	2.64	138.00	0.000	0.000	29.68	0.00	0.00
14	128.00	DC6-48-60-18-8C-EV	1	10.232	11.255	0.60	0.80	2.87	26.20	0.000	0.000	32.28	0.00	0.00
15	117.00	VHLP2.5-11	2	10.042	11.046	1.00	1.00	16.86	96.00	1.583	0.000	186.24	294.87	0.00
16	117.00	LP Platform w/ Handrail	1	10.042	11.046	1.00	1.00	46.00	2448.72	0.000	0.000	508.12	0.00	0.00
17	117.00	NNVV-65B-R4	3	10.042	11.046	0.55	0.75	20.43	254.10	0.000	0.000	225.67	0.00	0.00
18	117.00	AAHC	3	10.042	11.046	0.56	0.75	7.10	311.10	0.000	0.000	78.48	0.00	0.00
19	117.00	TD-RRH8x20-25	3	10.042	11.046	0.50	0.75	6.11	210.00	0.000	0.000	67.44	0.00	0.00
20	117.00	800 MHz RRH	6	10.042	11.046	0.50	0.75	7.51	318.00	0.000	0.000	82.93	0.00	0.00
21	117.00	1900 MHz RRH	3	10.042	11.046	0.50	0.75	4.18	180.00	0.000	0.000	46.13	0.00	0.00
22	98.00	KRY 112 489/2	3	9.677	10.645	0.50	0.75	0.98	46.20	0.000	0.000	10.43	0.00	0.00
23	98.00	RRUS 4415 B25	3	9.677	10.645	0.50	0.75	2.47	138.00	0.000	0.000	26.32	0.00	0.00
24	98.00	4449 B71+ B85	3	9.677	10.645	0.50	0.75	2.49	210.00	0.000	0.000	26.48	0.00	0.00
25	98.00	Air 32	4	9.677	10.645	0.65	0.75	16.99	528.80	0.000	0.000	180.87	0.00	0.00
26	98.00	APX16DWV-16DWV-S-E-	3	9.677	10.645	0.46	0.75	9.01	122.10	0.000	0.000	95.93	0.00	0.00
27	98.00	KRY 112 144/1	3	9.677	10.645	0.50	0.75	0.62	33.06	0.000	0.000	6.58	0.00	0.00
28	98.00	AIR 6449 B41	3	9.677	10.645	0.52	0.75	10.28	399.60	0.000	0.000	109.48	0.00	0.00
29	98.00	APXVAARR24_43-U-NA2	3	9.677	10.645	0.52	0.75	31.88	384.00	0.000	0.000	339.35	0.00	0.00
30	98.00	LP Platform w/ Handrail	1	9.677	10.645	1.00	1.00	46.00	2449.00	0.000	0.000	489.68	0.00	0.00
31	86.00	Samsung MT6407-77A	3	9.418	10.360	0.52	0.75	7.40	261.30	0.000	0.000	76.69	0.00	0.00
32	86.00	Low Profile	1	9.418	10.360	1.00	1.00	22.00	1500.00	0.000	0.000	227.91	0.00	0.00
33	86.00	Antel	3	9.418	10.360	0.66	0.75	9.48	45.00	0.000	0.000	98.25	0.00	0.00
34	86.00	JMA MX06FR0660-03	6	9.418	10.360	0.65	0.75	38.64	360.00	0.000	0.000	400.30	0.00	0.00
35	86.00	Raycap	1	9.418	10.360	0.75	0.75	3.04	32.00	0.000	0.000	31.54	0.00	0.00
36	86.00	Samsung B2/B66A	3	9.418	10.360	0.62	0.75	3.51	253.20	0.000	0.000	36.37	0.00	0.00
37	86.00	Samsung B5/B13	3	9.418	10.360	0.58	0.75	3.26	210.90	0.000	0.000	33.74	0.00	0.00
38	86.00	HRK12 (Handrail Kit)	1	9.418	10.360	1.00	1.00	6.75	261.72	0.000	0.000	69.93	0.00	0.00
39	86.00	Kaelus BSF0020F3V1-1	4	9.418	10.360	0.49	0.75	1.87	70.40	0.000	0.000	19.39	0.00	0.00
							Totals:		**16,405.18**			**5,042.15**		

Total Applied Force Summary

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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 23

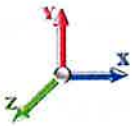
Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		108.11	1208.63	0.00	0.00
10.00		105.74	1186.96	0.00	0.00
15.00		104.65	1165.28	0.00	0.00
20.00		108.27	1143.61	0.00	0.00
25.00		110.60	1121.93	0.00	0.00
30.00		112.01	1100.25	0.00	0.00
35.00		112.75	1078.58	0.00	0.00
40.00		112.96	1056.90	0.00	0.00
45.00		112.73	1035.23	0.00	0.00
48.25		72.71	661.27	0.00	0.00
50.00		39.53	583.72	0.00	0.00
53.25		73.36	1071.13	0.00	0.00
55.00		39.22	304.54	0.00	0.00
60.00		111.95	857.92	0.00	0.00
65.00		110.60	839.86	0.00	0.00
70.00		109.03	821.79	0.00	0.00
75.00		107.27	803.73	0.00	0.00
80.00		105.35	785.67	0.00	0.00
85.00		103.27	767.60	0.00	0.00
86.00	(25) attachments	1014.42	3145.87	0.00	0.00
90.00		80.56	514.51	0.00	0.00
95.00		98.69	626.88	0.00	0.00
98.00	(26) attachments	1343.03	4678.22	0.00	0.00
100.00		38.72	365.40	0.00	0.00
101.75		33.54	315.46	0.00	0.00
105.00		61.54	272.86	0.00	0.00
109.00		74.25	327.45	0.00	0.00
110.00		14.18	93.67	0.00	0.00
115.00		71.54	468.36	0.00	0.00
117.00	(21) attachments	1223.70	4005.27	294.87	0.00
119.00		28.82	178.98	0.00	0.00
120.00		14.44	106.54	0.00	0.00
125.00		72.80	532.69	0.00	0.00
128.00	(35) attachments	1607.49	5595.10	0.00	0.00
130.00		29.36	208.08	0.00	0.00
134.00	(1) attachments	63.41	422.65	0.00	0.00
	Totals:	**7,730.59**	**39,452.59**	**294.87**	**0.00**

Linear Appurtenance Segment Forces (Factored)

Structure: CT13070-A-01
Site Name: Waterbury 4, CT
Height: 134.00 (ft)
Base Elev: 1.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/7/2023
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

Load Case: 1.0D + 1.0W 60 mph Wind
Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 23

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	0.020	0.000	6.513	0.00	1.37
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	6.513	0.00	5.20
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	6.513	0.00	1.37
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	6.513	0.00	5.20
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	6.594	0.00	1.37
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	6.594	0.00	5.20
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	6.982	0.00	1.37
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	6.982	0.00	5.20
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	7.303	0.00	1.37
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	7.303	0.00	5.20
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	7.579	0.00	1.37
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	7.579	0.00	5.20
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	7.821	0.00	1.37
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	7.821	0.00	5.20
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	8.038	0.00	1.37
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	8.038	0.00	5.20
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	8.235	0.00	1.37
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	8.235	0.00	5.20
48.25	Safety Cable	Yes	3.25	0.000	0.38	0.10	0.00	0.025	0.000	8.355	0.00	0.89
48.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.17	0.00	0.025	0.000	8.355	0.00	3.38
50.00	Safety Cable	Yes	1.75	0.000	0.38	0.06	0.00	0.026	0.000	8.416	0.00	0.48
50.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.09	0.00	0.026	0.000	8.416	0.00	1.82
53.25	Safety Cable	Yes	3.25	0.000	0.38	0.10	0.00	0.026	0.000	8.526	0.00	0.89
53.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.17	0.00	0.026	0.000	8.526	0.00	3.38
55.00	Safety Cable	Yes	1.75	0.000	0.38	0.06	0.00	0.026	0.000	8.584	0.00	0.48
55.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.09	0.00	0.026	0.000	8.584	0.00	1.82
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	8.739	0.00	1.37
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	8.739	0.00	5.20
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	8.886	0.00	1.37
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	8.886	0.00	5.20
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	9.023	0.00	1.37
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	9.023	0.00	5.20
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	9.154	0.00	1.37
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	9.154	0.00	5.20
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	9.277	0.00	1.37
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	9.277	0.00	5.20
85.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	9.395	0.00	1.37
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	9.395	0.00	5.20
86.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.031	0.000	9.418	0.00	0.27
86.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.031	0.000	9.418	0.00	1.04
90.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.032	0.000	9.507	0.00	1.09
90.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.032	0.000	9.507	0.00	4.16
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	9.615	0.00	1.37
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	9.615	0.00	5.20
98.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.034	0.000	9.677	0.00	0.82
98.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.034	0.000	9.677	0.00	3.12
100.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.035	0.000	9.718	0.00	0.55

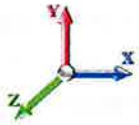
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (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 23

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)
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.035	0.000	9.718	0.00	2.08
101.75	Safety Cable	Yes	1.75	0.000	0.38	0.06	0.00	0.035	0.000	9.753	0.00	0.48
101.75	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.09	0.00	0.035	0.000	9.753	0.00	1.82
105.00	Safety Cable	Yes	3.25	0.000	0.38	0.10	0.00	0.035	0.000	9.818	0.00	0.89
105.00	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.17	0.00	0.035	0.000	9.818	0.00	3.38
109.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.036	0.000	9.895	0.00	1.09
109.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.036	0.000	9.895	0.00	4.16
110.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.039	0.000	9.913	0.00	0.27
110.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.039	0.000	9.913	0.00	1.04
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.039	0.000	10.006	0.00	1.37
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.039	0.000	10.006	0.00	5.20
117.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.039	0.000	10.042	0.00	0.55
117.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.039	0.000	10.042	0.00	2.08
119.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.039	0.000	10.077	0.00	0.55
119.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.039	0.000	10.077	0.00	2.08
120.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.039	0.000	10.095	0.00	0.27
120.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.039	0.000	10.095	0.00	1.04
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.039	0.000	10.181	0.00	1.37
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.039	0.000	10.181	0.00	5.20
128.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.039	0.000	10.232	0.00	0.82
128.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.039	0.000	10.232	0.00	3.12
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.039	0.000	10.265	0.00	0.55
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.039	0.000	10.265	0.00	2.08
134.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.039	0.000	10.330	0.00	1.09
134.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.039	0.000	10.330	0.00	4.16
										Totals:	**0.0**	**175.9**

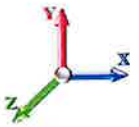
Calculated Forces

Structure: CT13070-A-01
Site Name: Waterbury 4, CT
Height: 134.00 (ft)
Base Elev: 1.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

Load Case: 1.0D + 1.0W 60 mph Wind
Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 23

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	-39.45	-7.75	-0.29	-758.91	0.00	758.91	3976.93	1023.83	4163.63	4011.62	0.00	0.000	0.000	0.199
5.00	-38.23	-7.68	-0.29	-720.15	0.00	720.15	3920.48	1001.47	3983.76	3867.66	0.03	-0.059	0.000	0.196
10.00	-37.04	-7.61	-0.29	-681.74	0.00	681.74	3862.67	979.11	3807.86	3724.90	0.13	-0.120	0.000	0.193
15.00	-35.86	-7.54	-0.29	-643.67	0.00	643.67	3803.51	956.76	3635.94	3583.42	0.28	-0.180	0.000	0.189
20.00	-34.71	-7.47	-0.29	-605.95	0.00	605.95	3742.99	934.40	3467.98	3443.32	0.51	-0.242	0.000	0.185
25.00	-33.58	-7.39	-0.29	-568.61	0.00	568.61	3681.11	912.04	3304.00	3304.69	0.79	-0.304	0.000	0.181
30.00	-32.48	-7.31	-0.29	-531.66	0.00	531.66	3617.88	889.68	3143.99	3167.62	1.15	-0.367	0.000	0.177
35.00	-31.39	-7.22	-0.29	-495.12	0.00	495.12	3553.28	867.32	2987.95	3032.20	1.56	-0.429	0.000	0.172
40.00	-30.33	-7.13	-0.29	-459.02	0.00	459.02	3487.33	844.96	2835.88	2898.52	2.05	-0.492	0.000	0.167
45.00	-29.29	-7.04	-0.29	-423.35	0.00	423.35	3420.03	822.60	2687.78	2766.66	2.60	-0.555	0.000	0.162
48.25	-28.62	-6.97	-0.29	-400.48	0.00	400.48	3375.55	808.07	2593.65	2681.98	2.99	-0.597	0.000	0.158
50.00	-28.03	-6.94	-0.29	-388.28	0.00	388.28	3351.36	800.24	2543.66	2636.73	3.21	-0.620	0.000	0.156
53.25	-26.96	-6.87	-0.29	-365.71	0.00	365.71	2647.50	666.72	2118.80	2085.88	3.65	-0.661	0.000	0.186
55.00	-26.65	-6.85	-0.29	-353.68	0.00	353.68	2630.02	660.20	2077.55	2051.68	3.90	-0.683	0.000	0.183
60.00	-25.79	-6.76	-0.29	-319.42	0.00	319.42	2579.17	641.57	1961.94	1954.76	4.65	-0.753	0.000	0.174
65.00	-24.94	-6.67	-0.29	-285.61	0.00	285.61	2526.96	622.94	1849.64	1859.10	5.47	-0.822	-0.001	0.164
70.00	-24.11	-6.57	-0.29	-252.27	0.00	252.27	2473.39	604.31	1740.65	1764.79	6.37	-0.888	-0.001	0.153
75.00	-23.30	-6.48	-0.29	-219.40	0.00	219.40	2418.47	585.67	1634.96	1671.92	7.34	-0.952	-0.001	0.141
80.00	-22.51	-6.38	-0.29	-187.00	0.00	187.00	2362.18	567.04	1532.59	1580.58	8.37	-1.013	-0.001	0.128
85.00	-21.74	-6.28	-0.29	-155.08	0.00	155.08	2304.54	548.41	1433.52	1490.86	9.46	-1.069	-0.001	0.114
86.00	-18.62	-5.21	-0.29	-148.80	0.00	148.80	2292.85	544.68	1414.11	1473.12	9.68	-1.080	-0.001	0.109
90.00	-18.10	-5.14	-0.29	-127.94	0.00	127.94	2242.72	529.78	1337.77	1401.09	10.61	-1.121	-0.001	0.099
95.00	-17.47	-5.04	-0.29	-102.25	0.00	102.25	2163.84	511.14	1245.33	1303.79	11.81	-1.167	-0.001	0.087
98.00	-12.82	-3.60	-0.29	-87.14	0.00	87.14	2116.52	499.96	1191.45	1247.09	12.55	-1.193	-0.001	0.076
100.00	-12.45	-3.56	-0.29	-79.93	-0.01	79.93	2084.97	492.51	1156.19	1209.99	13.05	-1.209	-0.001	0.072
101.75	-12.14	-3.52	-0.29	-73.70	-0.01	73.70	1611.41	396.63	937.27	943.49	13.50	-1.222	-0.001	0.086
105.00	-11.87	-3.46	-0.29	-62.25	-0.01	62.25	1583.50	386.94	892.04	904.30	14.34	-1.245	-0.001	0.076
109.00	-11.54	-3.38	-0.29	-48.40	-0.01	48.40	1548.36	375.01	837.91	856.74	15.39	-1.275	-0.002	0.064
109.00	-11.54	-3.38	-0.29	-48.40	-0.01	48.40	933.38	285.53	41725.7	590.00	15.39	-1.275	-0.002	0.095
110.00	-11.44	-3.37	-0.29	-45.02	-0.01	45.02	933.38	285.53	41725.7	590.00	15.66	-1.281	-0.002	0.089
115.00	-10.98	-3.29	-0.29	-28.17	-0.01	28.17	933.38	285.53	41725.7	590.00	17.02	-1.307	-0.002	0.060
117.00	-7.00	-1.98	0.00	-21.58	0.00	21.58	933.38	285.53	41725.7	590.00	17.57	-1.313	-0.002	0.044
119.00	-6.82	-1.95	0.00	-17.63	0.00	17.63	933.38	285.53	41725.7	590.00	18.12	-1.319	-0.002	0.037
119.00	-6.82	-1.95	0.00	-17.63	0.00	17.63	950.95	285.28	54712.4	624.60	18.12	-1.319	-0.002	0.035
120.00	-6.72	-1.93	0.00	-15.68	0.00	15.68	950.95	285.28	54712.4	624.60	18.40	-1.321	-0.002	0.032
125.00	-6.18	-1.84	0.00	-6.04	0.00	6.04	950.95	285.28	54712.4	624.60	19.78	-1.327	-0.002	0.016
128.00	-0.63	-0.11	0.00	-0.51	0.00	0.51	950.95	285.28	54712.4	624.60	20.62	-1.328	-0.002	0.001
130.00	-0.42	-0.07	0.00	-0.29	0.00	0.29	950.95	285.28	54712.4	624.60	21.17	-1.328	-0.002	0.001
134.00	0.00	-0.06	0.00	0.00	0.00	0.00	950.95	285.28	54712.4	624.60	22.29	-1.328	-0.002	0.000

Structure:	CT13070-A-01	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Waterbury 4, CT	**Exposure:**	C		
Height:	134.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 37	

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	33.0	0.00	47.27	0.03	1.23	3250.36
0.9D + 1.0W 117 mph Wind	32.9	0.00	35.43	0.02	1.23	3205.72
1.2D + 1.0Di + 1.0Wi 50 mph Wind	8.8	0.00	66.42	0.00	0.26	869.52
1.2D + 1.0Ev + 1.0Eh	0.7	0.00	49.01	0.00	0.00	82.00
0.9D + 1.0Ev + 1.0Eh	0.7	0.00	37.12	0.00	0.00	80.96
1.0D + 1.0W 60 mph Wind	7.8	0.00	39.45	0.00	0.29	758.91

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	-47.27	-32.96	-1.23	-3250.3	-0.03	-3250.3	3976.93	1023.8	4163.63	4011.62	0.00	0.823
0.9D + 1.0W 117 mph Wind	-35.43	-32.93	-1.23	-3205.7	-0.02	-3205.7	3976.93	1023.8	4163.63	4011.62	0.00	0.809
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-66.42	-8.78	-0.26	-869.52	0.00	-869.52	3976.93	1023.8	4163.63	4011.62	0.00	0.234
1.2D + 1.0Ev + 1.0Eh	-33.58	-0.71	0.00	-44.87	0.00	-44.87	2647.50	666.72	2118.80	2085.88	53.25	0.034
0.9D + 1.0Ev + 1.0Eh	-25.45	-0.70	0.00	-44.16	0.00	-44.16	2647.50	666.72	2118.80	2085.88	53.25	0.031
1.0D + 1.0W 60 mph Wind	-39.45	-7.75	-0.29	-758.91	0.00	-758.91	3976.93	1023.8	4163.63	4011.62	0.00	0.199

Base Plate Summary

Structure:	CT13070-A-01		**Code:**	TIA-222-H	7/7/2023
Site Name:	Waterbury 4, CT		**Exposure:**	C	
Height:	134.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (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):**	60.00	**Bolt Circle:**	55.75
Moment (kip-ft):	3142.00	**Width (in):**	53.25	**Number Bolts:**	12.00
Axial (kip):	42.00	**Style:**	Clipped	**Bolt Type:**	2.25" 18J
Shear (kip):	29.00	**Polygon Sides:**	0.00	**Bolt Diameter (in):**	2.25
		Clip Length (in):	9.00	**Yield (ksi):**	75.00
Analysis (1.2D + 1.0W)				**Ultimate (ksi):**	100.00
Moment (kip-ft):	3250.36	**Effective Len (in):**	10.37	**Arrangement:**	Clustered
Axial (kip):	47.27	**Moment (kip-in):**	648.55	**Cluster Dist (in):**	6.00
Shear (kip):	32.96	**Allow Stress (ksi):**	81.00	**Start Angle (deg):**	45.00
		Applied Stress (ksi):	41.31	Compression	
		Stress Ratio:	0.51	**Force (kip):**	170.59
				Allowable (kip):	268.39
				Ratio:	0.64
				Tension	
				Force (kip):	162.71
				Allowable (kip):	243.75
				Ratio:	0.67

Monopole Mat Foundation Design

			Date: 6/15/2023
Customer Name:	Verizon	TIA Standard:	TIA-222-H
Site Name:		Structure Height (Ft.):	135
Site Number:	CT13070-A	Engineer Name:	SBA Engineer
Engr. Number:		Engineer Login ID:	

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

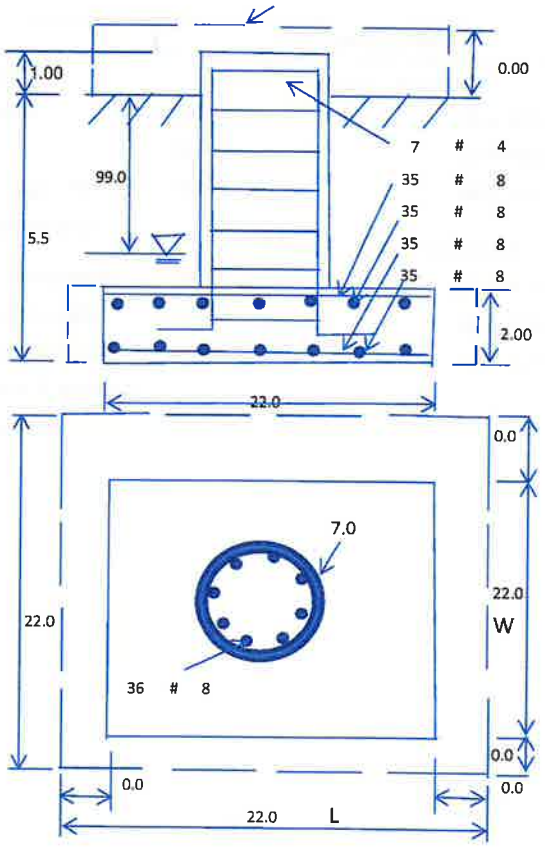
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	47.3	Shear Force (Kips):	33.0
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3250.4

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	7.0	Depth of Base BG (ft.):	5.5
Pier Height A. G. (ft.):	1.00	Thickness of Pad (ft):	2.00
Length of Pad (ft.):	22	Width of Pad (ft.):	22
Final Length of pad (ft)	22.0	Final width of pad (ft):	22.0



Material Properties and Reabr Info:

Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	8	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	36	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	8	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	35	Qty. of Rebar in Pad (W):	35	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	35	Qty. of Rebar in Pad (W):	35	

Soil Design Parameters:

Soil Unit Weight (pcf):	130.0	Soil Buoyant Weight:	67.6	Pcf		
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	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.):	1559.30	Total Dry Soil Weight (Kips):	202.71
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	202.71	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	1141.18	Total Dry Concrete Weight (Kips):	171.18
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	171.18	Total Vertical Load on Base (Kips):	421.16

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	3978	<	Allowable Factored Soil Bearing (psf):	12000	0.33	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	4221.4	>	Design Factored Moment (kips-ft):	3465	0.82	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.22	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):	0.79		Tie / Stirrup Area (sq. in./each):	0.20		
Calculated Moment Capacity (Mn,Kips-Ft):	4845.7	>	Design Factored Moment (Mu, Kips-Ft	3398.9	0.70	OK!
Calculated Shear Capacity (Kips):	660.1	>	Design Factored Shear (Kips):	33.0	0.05	OK!
Calculated Tension Capacity (Tn, Kips):	1535.8	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	9747.6	>	Design Factored Axial Load (Pu Kips):	47.3	0.00	OK!
Moment & Axial Strength Combination:	0.70	OK!	Check Tie Spacing (Design/Required):		1	OK!
Pier Reinforcement Ratio:	0.005		Reinforcement Ratio is satisfied per ACI			
(2).Concrete Pad:						
One-Way Design Shear Capacity (L-Direction, Kips):	513.4	>	One-Way Factored Shear (L-D. Kips):	235.6	0.46	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	513.4	>	One-Way Factored Shear (W-D., Kips):	235.6	0.46	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	483.0	>	One-Way Factored Shear (C-C, Kips):	245.1	0.51	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0051	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0051		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	2435.7	>	Moment at Bottom (L-Dir. K-Ft):	976.8	0.40	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	2435.7	>	Moment at Bottom (W-Dir. K-Ft):	976.8	0.40	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	3397.4	>	Moment at Bottom (C-C Dir. K-Ft):	1381.4	0.41	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0051	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0051		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	2435.7	>	Moment at the top (L-Dir K-Ft):	460.1	0.19	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	2435.7	>	Moment at the top (W-Dir K-Ft):	460.1	0.19	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	3397.4	>	Moment at the top (C-C Dir. K-Ft):	434.4	0.13	OK!

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

Moment transferred by punching shear:	1300.1	k-ft.	Max. factored shear stress v_{u_CD}:	3.0	Psi
Max. factored shear stress v_{u_AB}:	14.8	Psi	Factored shear Strength ϕv_n:	189.7	Psi
Max. factored shear stress v_u:	14.8	Psi	Check Usage of Punching Shear Capacity:	0.08	OK!

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

Overturning moment to be transferred by flexure:	975.1	k-ft.	Effective Width for resisting OT moment:	13.0	ft.
Calculated number of Rebar in Effective width:	21		Actual number of Rebar in Effective width:	21	
Steel Pad Moment Capacity (L-Direc. Kips-ft):	1460.4	k-ft.	Check Usage of the Flexure Capacity:	0.67	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 #: 10206287
Colliers Engineering & Design CT. P. C. Project #: 23777052

July 7, 2023

Site Information	*Site ID:*	*5000382125-VZW / WATERBURY EAST CT*
	Site Name:	*WATERBURY EAST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*940 Meriden Rd* *Waterbury, Connecticut 06705* *New Haven County*
	Latitude:	*41.553278°*
	Longitude:	*-72.993361°*
Structure Information	*Tower Type:*	*115-Ft Monopole*
	Mount Type:	*13.83-Ft Platform*

FUZE ID # 17041976

Analysis Results

Platform: **54.7% 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: Selene Chen

Digitally signed by Derek Hartzell
Date: 2023.07.10 10:58:21-07'00'

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: 325070, dated December 16, 2020*
Mount Mapping Report	*Level-Up Towers, Site ID: 469379, dated February 15, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777081, dated June 23, 2021*
Post-Modification Inspection Report	*Colliers Engineering & Design CT. P. C., Project #: 21777081, dated June 23, 2023*
Filter Add Scope	*Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.978
Seismic Parameters:	S_S:	0.193 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
87.00	87.00	3	Amphenol Antel	BXA-171063-12CF	Retained
		6	JMA Wireless	MX06FRO660-03	
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
		4	KAelus	BSF0020F3V1-1	Added

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
Face Horizontal	*13.6 %*	*Pass*
Standoff Horizontal	*35.0 %*	*Pass*
Platform Crossmember	*19.2 %*	*Pass*
Corner Plate	*17.7 %*	*Pass*
Grating Support	*12.8 %*	*Pass*
Cross Arm Plate	*18.0 %*	*Pass*
Mount Pipe	*23.7 %*	*Pass*
Replacement Pipe	*13.4 %*	*Pass*
Support Rail Corner	*9.7 %*	*Pass*
Support Rail	*11.0 %*	*Pass*
Connection Check	*54.7 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**54.7%**

BASELINE mount weight per SBA agreement: 2106.06 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	25.2	25.1	38.7	38.6
0.5	32.7	32.7	51.7	51.5
1	39.8	39.8	64.2	64.0

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 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

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

Contractor shall inspect climbing facilities and safety climb and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

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 #: 5000382125 SMART Project #: 10206287 Fuze Project ID: 17041976

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 inspect climbing facilities and safety climb and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

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: 5000382125-VZW - WATERBURY EAST CT

Sector: A

Structure Type: Monopole

Mount Elev: 87.00

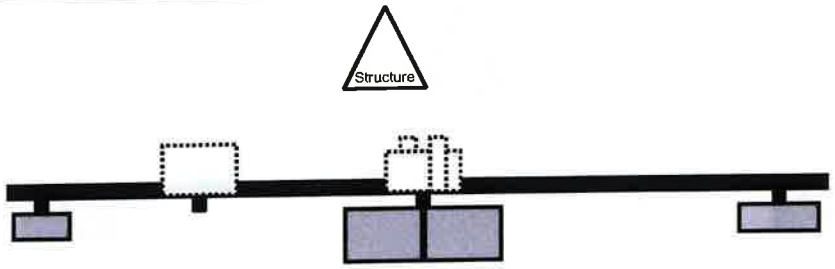
10206287

7/7/2023

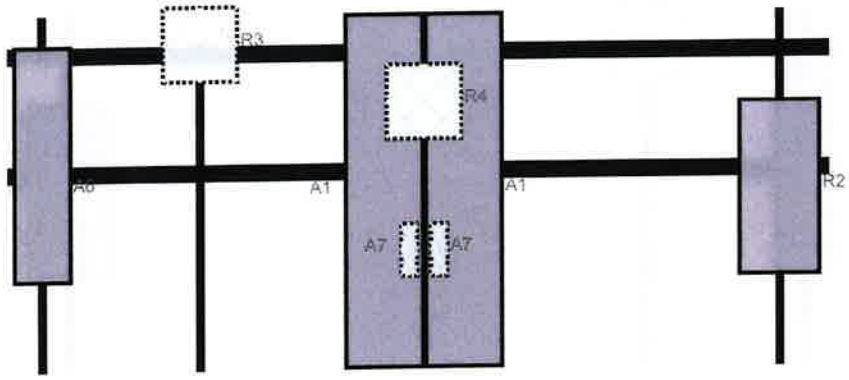
Page: 1

Colliers Engineering & Design

Plan View



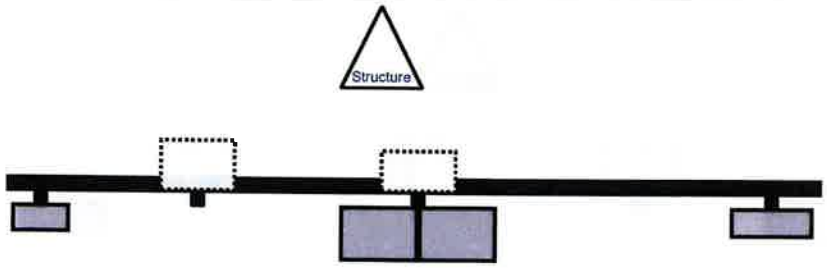
Front View - Looking at Structure



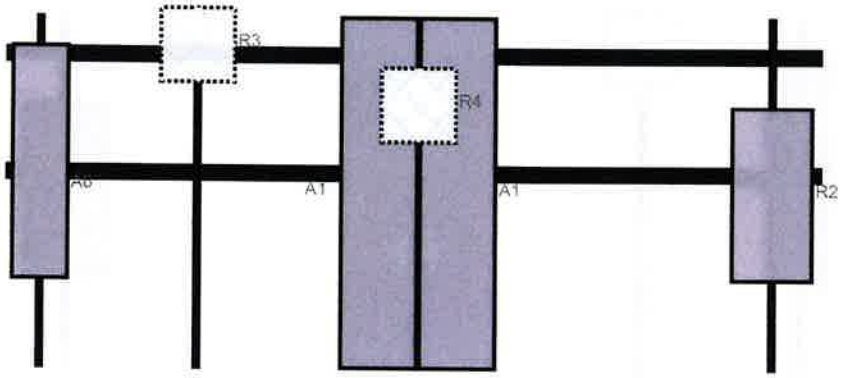
4 3 2 1

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
R2	MT6407-77A	35.1	16.1	156	1	a	Front	36	0	Retained	04/18/2023
A1	MX06FRO660-03	71.3	15.4	84	2	a	Front	36	8	Retained	04/18/2023
A1	MX06FRO660-03	71.3	15.4	84	2	b	Front	36	-8	Retained	04/18/2023
R4	B5/B13 RRH-BR04C	15	15	84	2	a	Behind	18	0	Retained	04/18/2023
A7	BSF0020F3V1-1	10.6	3.2	84	2	a	Behind	48	3	Added	
A7	BSF0020F3V1-1	10.6	3.2	84	2	b	Behind	48	-3	Added	
R3	B2/B66A RRH-BR049	15	15	39	3	a	Behind	6	0	Retained	04/18/2023
A6	BXA-171063-12CF	47.4	11.2	7	4	a	Front	30	0	Retained	04/18/2023
OVP	RVZDC-6627-PF-48	28.9	15.7		Member					Retained	04/18/2023

Plan View



Front View - Looking at Structure



4 3 2 1

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
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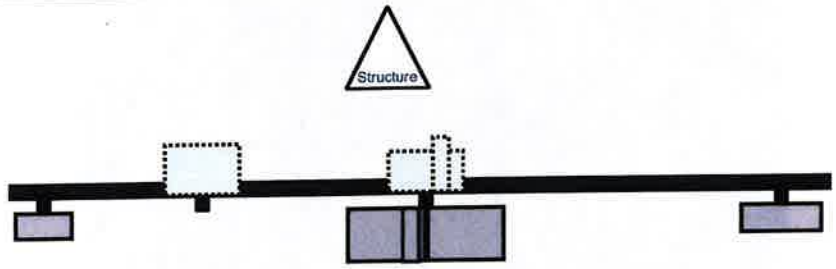
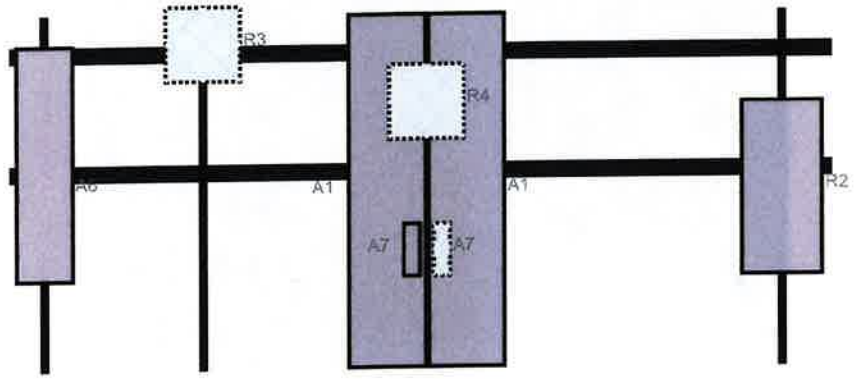
A1	MX06FRO660-03	71.3	15.4	84	2	b	Front	36	-8	Retained	04/18/2023
R4	B5/B13 RRH-BR04C	15	15	84	2	a	Behind	18	0	Retained	04/18/2023
R3	B2/B66A RRH-BR049	15	15	39	3	a	Behind	6	0	Retained	04/18/2023
A6	BXA-171063-12CF	47.4	11.2	7	4	a	Front	30	0	Retained	04/18/2023

Plan View



Front View - Looking at Structure



4 3 2 1

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
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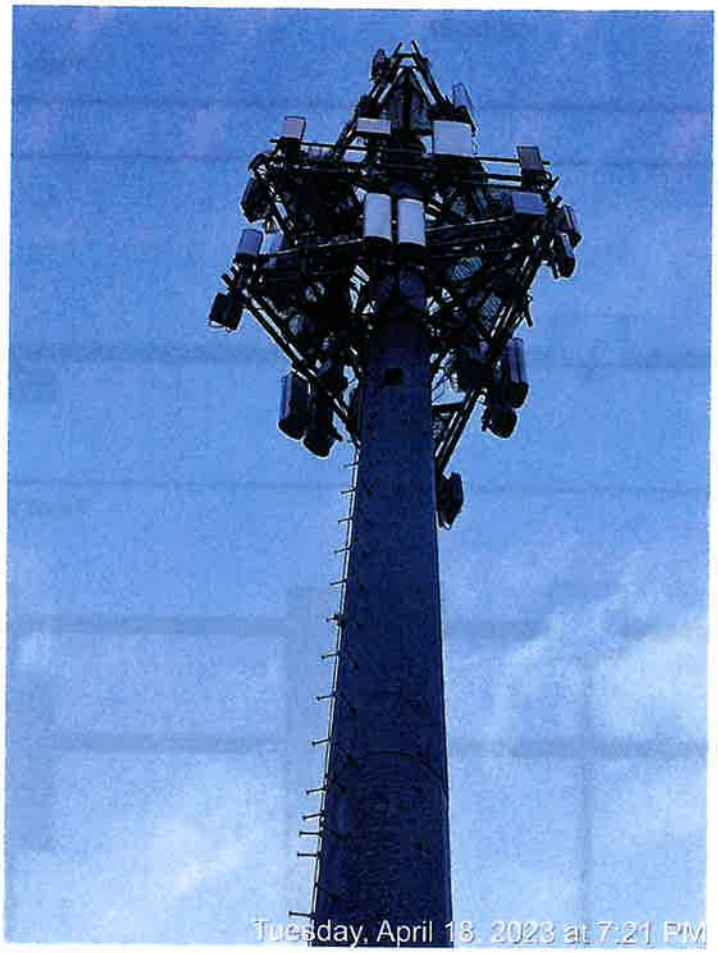
A1	MX06FRO660-03	71.3	15.4	84	2	b	Front	36	8	Retained	04/18/2023
A1	MX06FRO660-03	71.3	15.4	84	2	c	Front	36	-8	Retained	04/18/2023
R4	B5/B13 RRH-BR04C	15	15	84	2	a	Behind	18	0	Retained	04/18/2023
A7	BSF0020F3V1-1	10.6	3.2	84	2	a	Behind	48	3	Added	
A7	BSF0020F3V1-1	10.6	3.2	84	2	b	Front	48	-3	Added	
R3	B2/B66A RRH-BR049	15	15	39	3	a	Behind	6	0	Retained	04/18/2023
A6	BXA-171063-12CF	47.4	11.2	7	4	a	Front	30	0	Retained	04/18/2023


Tuesday, April 18, 2023 at 7:21 PM

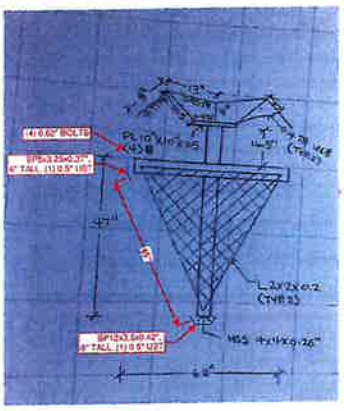

abr 18, 2023 7:17:28 p.m.
940 Meriden Rd
Waterbury CT 06705

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

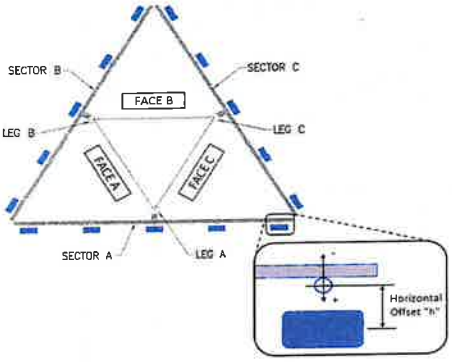
Tower Owner:	SBA	**Mapping Date:**	2/15/2021
Site Name:	WATERBURY EAST CT	**Tower Type:**	MONOPOLE
Site Number or ID:	469379	**Tower Height (Ft.):**	115
Mapping Contractor:	LEVEL-UP TOWERS	**Mount Elevation (Ft.):**	87

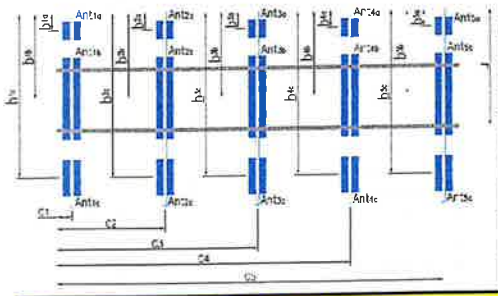


Mount Pipe Configuration and Geometries [Unit = Inches]

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	72"x2.38"x0.19	32.00	10.00	C1	72"x2.38"x0.22	32.00	15.00
A2	72"x2.38"x0.20	32.00	82.00	C2	72"x2.38"x0.23	32.00	87.00
A3	72"x2.38"x0.21	32.00	127.00	C3	72"x2.38"x0.24	32.00	134.00
A4	72"x2.38"x0.22	32.00	159.00	C4	72"x2.38"x0.25	32.00	158.00
A5				C5			
A6				C6			
B1	72"x2.38"x0.22	32.00	8.00	D1			
B2	72"x2.38"x0.23	32.00	82.50	D2			
B3	72"x2.38"x0.24	32.00	129.50	D3			
B4	72"x2.38"x0.25	32.00	158.00	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.) :	81
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	
Tower Face Width at Mount Elev. (ft.):	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.): 30



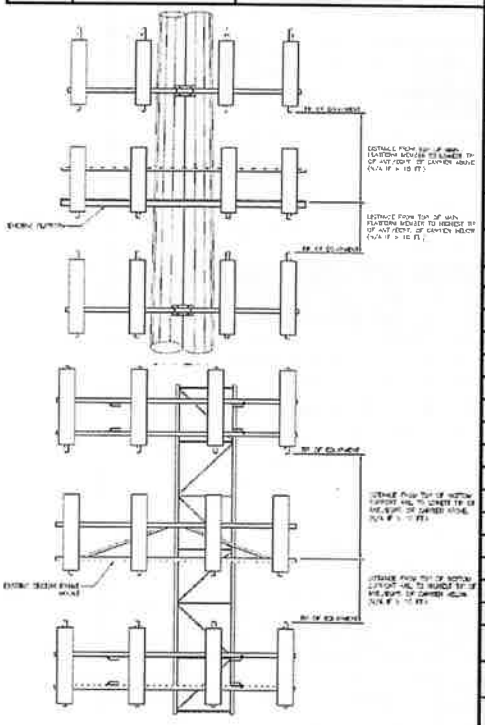


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
	Sector A									
Ant_{1a}	Unmarked Antenna	6.00	4.00	72.00		86.6667	36.00	10.00	105.00	90
Ant_{1b}	Alcatel-Lucent 9442 R	8.50	12.00	20.50	Hybrid	88.1667	18.00	0.00		104, 105
Ant_{1c}										
Ant_{2a}	BXA-70063-6CF-EDIN	11.25	5.00	71.00	(2) 1-5/8	87	32.00	15.00	105.00	110-115, 129
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	BXA-171063-8BF-EDI	6.00	4.00	47.25	(2) 1-5/8	87.3333	28.00	6.00	105.00	116, 133
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	BXA-80063-4CF-EDIN	11.25	5.00	47.25	(2) 1-5/8	87.6667	24.00	11.00	105.00	120
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	105.00	Deg	Leg A:		Deg
Sector B:	225.00	Deg	Leg B:		Deg
Sector C:	345.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	175.00	Deg	Inside Corner Leg B
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B

Ant_{1a}	Unmarked Antenna	6.00	4.00	72.00		86.6667	36.00	10.00	225.00	90
Ant_{1b}	Alcatel-Lucent 9442 F	8.50	12.00	20.50	Hybrid	88.1667	18.00	0.00		104, 105
Ant_{1c}										
Ant_{2a}	BXA-70063-6CF-EDIN	11.25	5.00	71.00	(2) 1-5/8	87	32.00	15.00	225.00	10-115, 129
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	BXA-171063-8BF-EDIN	6.00	4.00	47.25	(2) 1-5/8	87.3333	28.00	6.00	225.00	116, 133
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	BXA-80063-4CF-EDIN	11.25	5.00	47.25	(2) 1-5/8	87.6667	24.00	11.00	225.00	120
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Sector C

Ant_{1a}	Unmarked Antenna	6.00	4.00	72.00		86.6667	36.00	10.00	345.00	90
Ant_{1b}	Alcatel-Lucent 9442 F	8.50	12.00	20.50	Hybrid	88.1667	18.00	0.00		104, 105
Ant_{1c}										
Ant_{2a}	BXA-70063-6CF-EDIN	11.25	5.00	71.00	(2) 1-5/8	87	32.00	15.00	345.00	10-115, 129
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	BXA-171063-8BF-EDIN	6.00	4.00	47.25	(2) 1-5/8	87.3333	28.00	6.00	345.00	116, 133
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	BXA-80063-4CF-EDIN	11.25	5.00	47.25	(2) 1-5/8	87.6667	24.00	11.00	345.00	120
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Sector D

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

Observed Safety and Structural Issues During the Mount Mapping

Issue #	Description of Issue	Photo #

1		
2		
3		
4		
5		
6		
7		
8		

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

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

V3.0 Updated on 8-31-2020

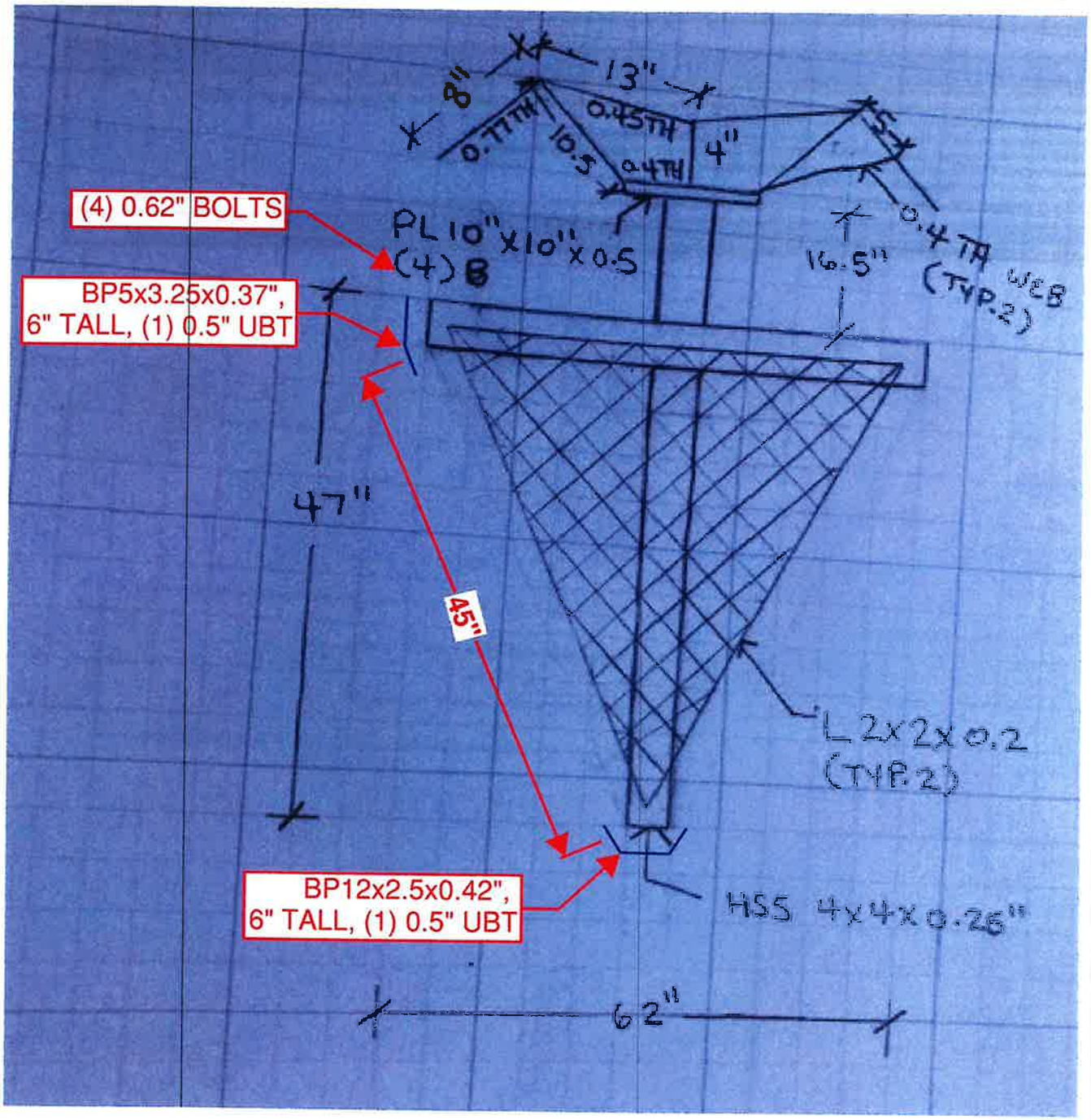
MASER CONSULTING P.A.

Antenna Mount Mapping Form (PATENT PENDING)

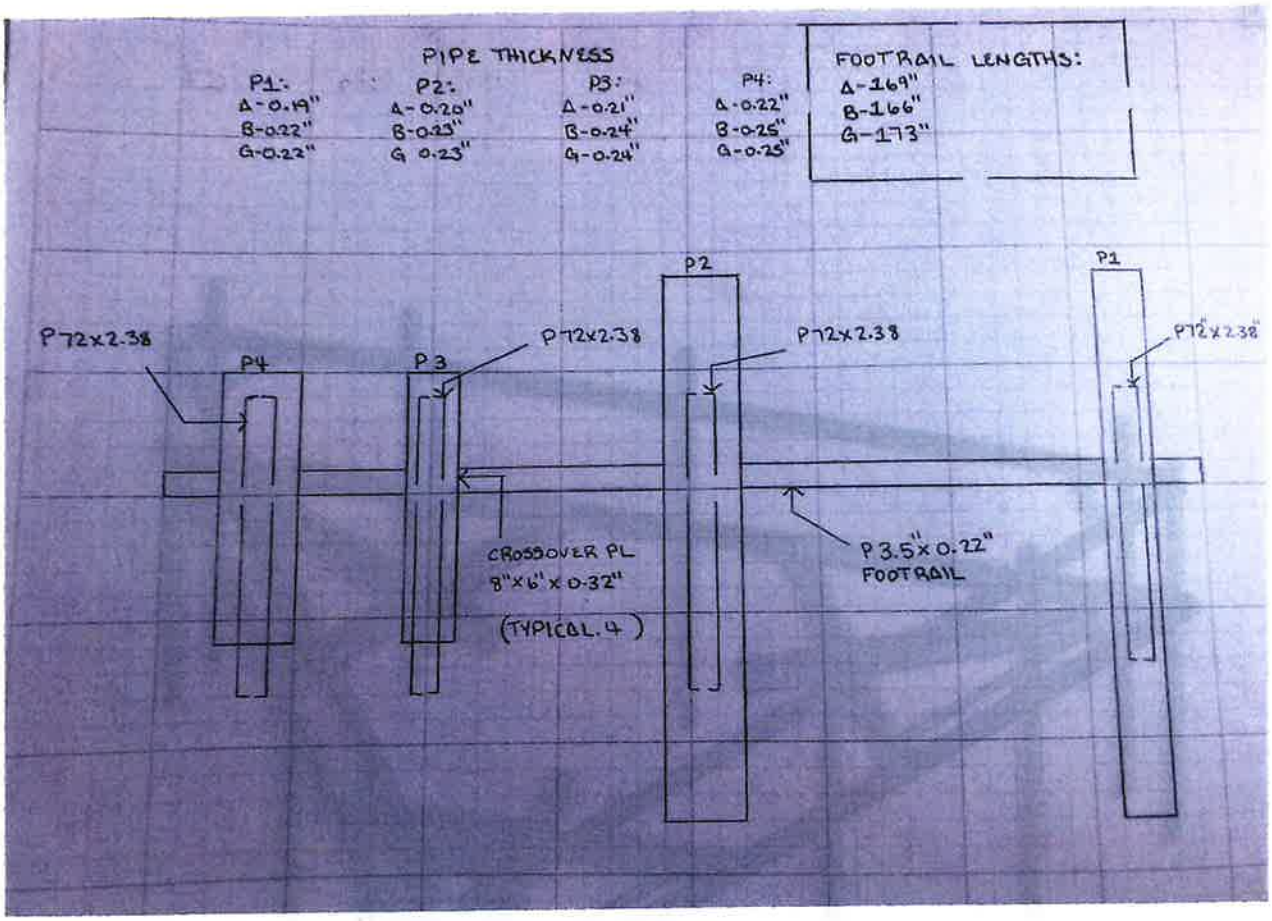
FCC #

Tower Owner:	SBA	Mapping Date:	2/15/2021
Site Name:	WATERBURY EAST CT	Tower Type:	MONOPOLE
Site Number or ID:	469379	Tower Height (Ft.):	115
Mapping Contractor:	LEVEL-UP TOWERS	Mount Elevation (Ft.):	87

Please Insert Sketches of the Antenna Mount

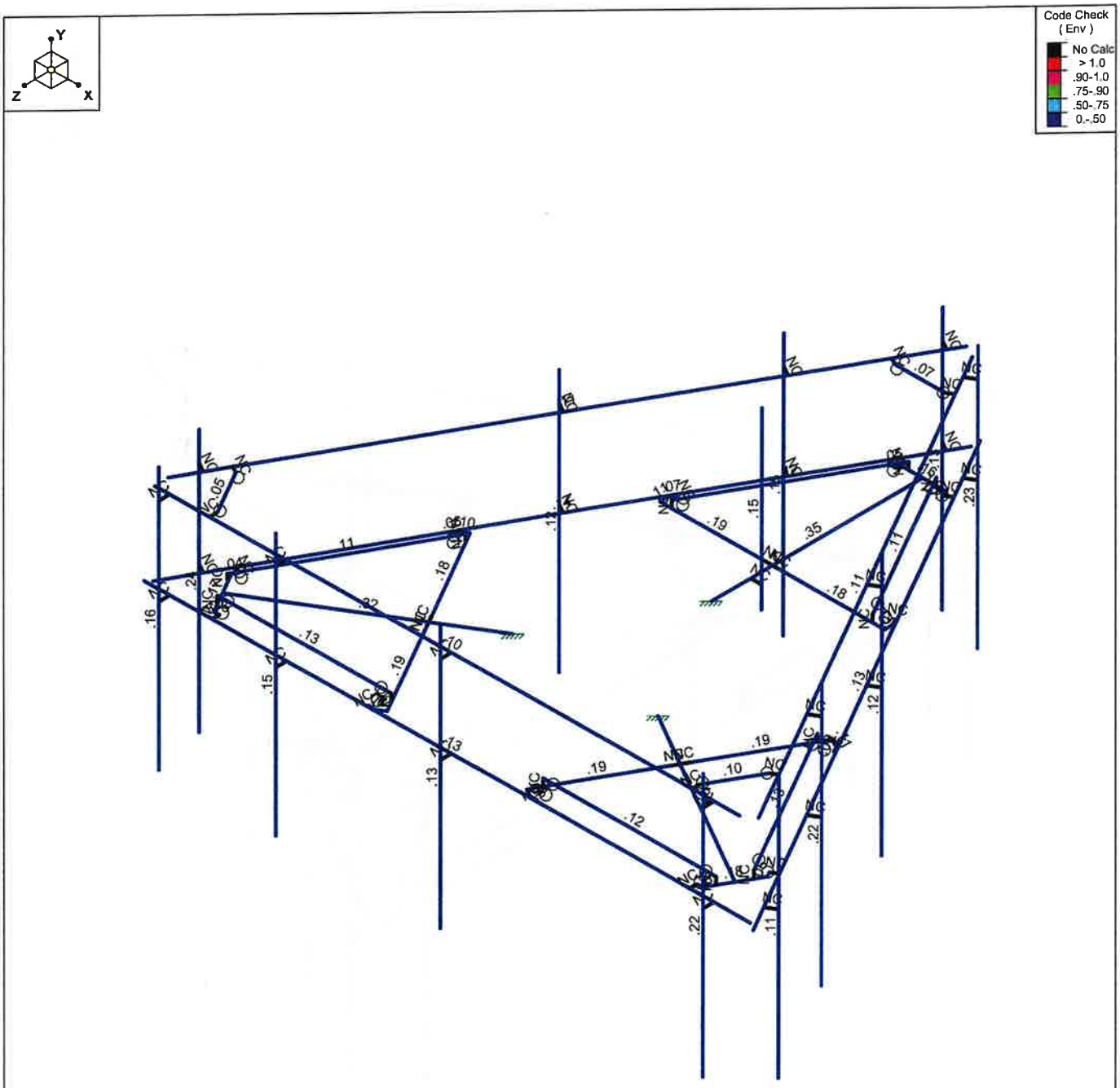


Please Insert Sketches of the Antenna Mount, cont'd



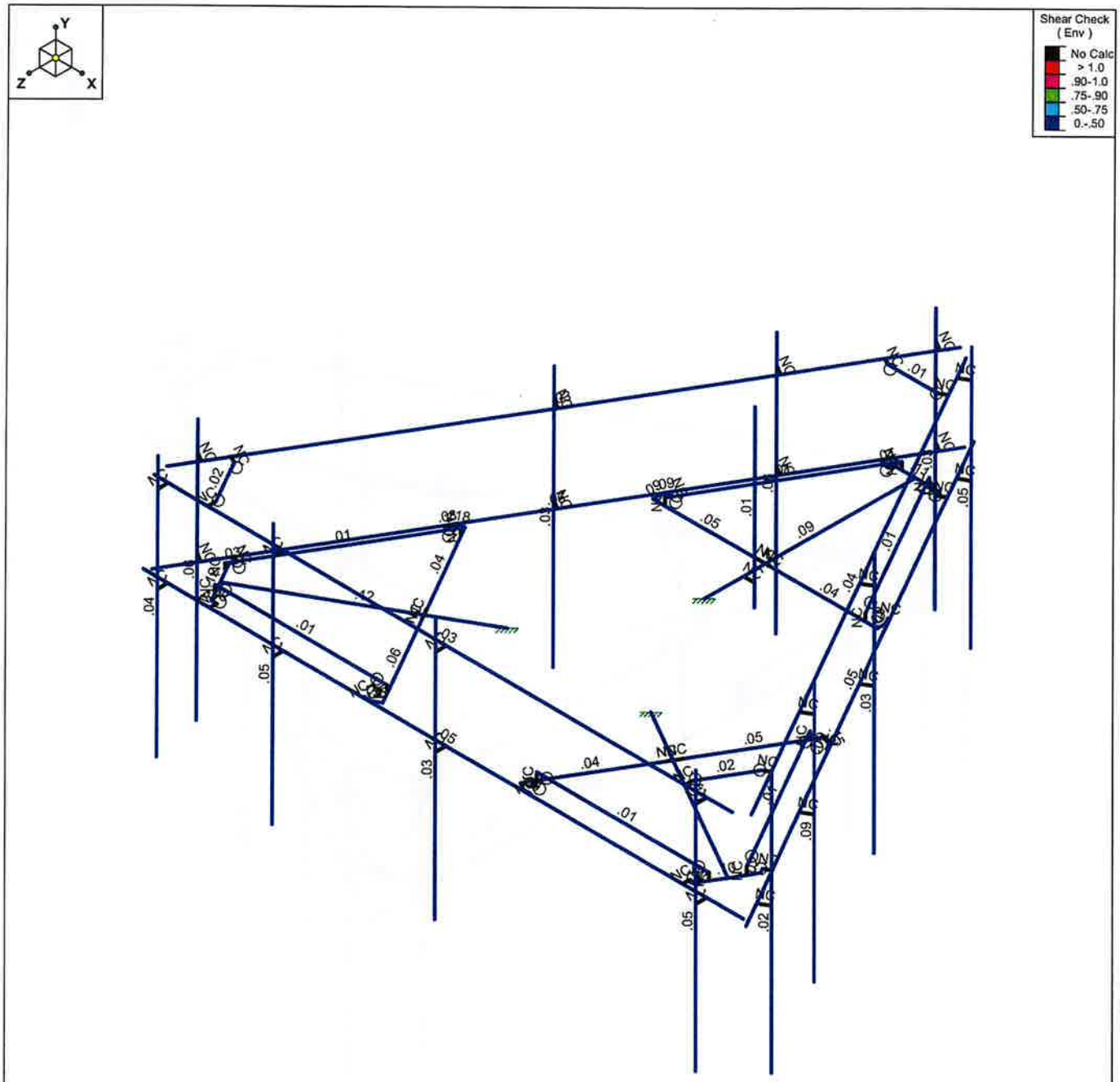
Envelope Only Solution

		SK - 1
		July 6, 2023 at 12:11 PM
		5000382125-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		July 6, 2023 at 12:11 PM
		5000382125-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		July 6, 2023 at 12:11 PM
		5000382125-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Antenna D	None					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 Deg)	None					99			
32	Antenna Wm (150 Deg)	None					99			
33	Antenna Wm (180 Deg)	None					99			
34	Antenna Wm (210 Deg)	None					99			
35	Antenna Wm (240 Deg)	None					99			
36	Antenna Wm (270 Deg)	None					99			
37	Antenna Wm (300 Deg)	None					99			
38	Antenna Wm (330 Deg)	None					99			
39	Structure D	None		-1					3	
40	Structure Di	None						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 Deg)	None						116		
46	Structure Wo (150 Deg)	None						116		
47	Structure Wo (180 Deg)	None						116		
48	Structure Wo (210 Deg)	None						116		
49	Structure Wo (240 Deg)	None						116		
50	Structure Wo (270 Deg)	None						116		
51	Structure Wo (300 Deg)	None						116		
52	Structure Wo (330 Deg)	None						116		
53	Structure Wi (0 Deg)	None						116		
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
57	Structure Wi (120 Deg)	None						116		
58	Structure Wi (150 Deg)	None						116		
59	Structure Wi (180 Deg)	None						116		
60	Structure Wi (210 Deg)	None						116		
61	Structure Wi (240 Deg)	None						116		
62	Structure Wi (270 Deg)	None						116		
63	Structure Wi (300 Deg)	None						116		
64	Structure Wi (330 Deg)	None						116		
65	Structure Wm (0 Deg)	None						116		
66	Structure Wm (30 Deg)	None						116		
67	Structure Wm (60 Deg)	None						116		
68	Structure Wm (90 Deg)	None						116		
69	Structure Wm (120 Deg)	None						116		
70	Structure Wm (150 Deg)	None						116		
71	Structure Wm (180 Deg)	None						116		
72	Structure Wm (210 Deg)	None						116		
73	Structure Wm (240 Deg)	None						116		
74	Structure Wm (270 Deg)	None						116		
75	Structure Wm (300 Deg)	None						116		
76	Structure Wm (330 Deg)	None						116		
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		-.041					3	
85	Structure Eh (0 Deg)	ELZ			-.103				3	
86	Structure Eh (90 Deg)	ELX	.103						3	
87	BLC 39 Transient Area L...	None						30		
88	BLC 40 Transient Area L...	None						30		
89	BLC 84 Transient Area L...	None						30		
90	BLC 85 Transient Area L...	None						30		
91	BLC 86 Transient Area L...	None						30		

Load Combinations

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								

Load Combinations (Continued)

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
18	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				

Load Combinations (Continued)

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
75	0.9D - 1.0Ev + 1.0Eh (...	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	CP	0	0	0	0	
2	N36	-6.999996	0	4.012182	0	
3	N53A	6.833329	0	4.012182	0	
4	N112A	-0.	0	-1.916664	0	
5	N113A	-0.	0	-3.315364	0	
6	N114	-0.	0	-6.75008	0	
7	N115	-2.572908	0	-3.315367	0	
8	N116A	2.299372	0.166667	-3.315367	0	
9	N117	-2.299368	0.166667	-3.315367	0	
10	N119	2.299372	0	-3.315367	0	
11	N120B	-2.299368	0	-3.315367	0	
12	N121	0.316678	0.166667	-6.749488	0	
13	N122	-0.315987	0.166667	-6.750678	0	
14	N123	0.317021	0	-6.750084	0	
15	N124A	-0.31633	0	-6.750084	0	
16	N125	2.572911	0	-3.315367	0	
17	N126	-0.166665	0	-3.315367	0	
18	N127	0.166669	0	-3.315367	0	
19	N128	0.546877	0	-6.750084	0	
20	N129	-0.546873	0	-6.750084	0	
21	N130	-2.572908	0	-3.502867	0	
22	N131	2.572911	0	-3.502867	0	
23	N132	-2.489574	0	-3.647205	0	
24	N133	-2.517759	0	-3.663478	0	
25	N134	-0.609373	0	-6.64183	0	
26	N135	-0.750998	0	-6.723598	0	
27	N136	2.489578	0	-3.647205	0	
28	N137	2.517763	0	-3.663478	0	
29	N138	0.609377	0	-6.64183	0	
30	N139	0.751002	0	-6.723598	0	
31	N34	-1.65988	0	0.958332	0	
32	N35	-2.87119	0	1.657682	0	
33	N36A	-5.845741	0	3.37504	0	
34	N37	-1.584739	0	3.885887	0	
35	N38	-4.020878	0.166667	-0.333631	0	
36	N39	-1.721508	0.166667	3.648995	0	
37	N40	-4.020878	0	-0.333631	0	
38	N41	-1.721508	0	3.648995	0	
39	N42	-6.003567	0.166667	3.100493	0	
40	N43	-5.688265	0.166667	3.648992	0	
41	N44	-6.004255	0	3.100493	0	
42	N45	-5.687579	0	3.648992	0	
43	N46	-4.157648	0	-0.570523	0	
44	N47	-2.78786	0	1.80202	0	
45	N48	-2.954527	0	1.513344	0	
46	N49	-6.119182	0	2.901432	0	
47	N50	-5.572307	0	3.848648	0	
48	N51	-1.747118	0	3.979637	0	
49	N52	-4.320028	0	-0.476773	0	
50	N53	-1.913785	0	3.979637	0	
51	N54	-1.913785	0	4.012182	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N55	-5.447307	0	3.848648	0	
53	N56	-5.447307	0	4.012182	0	
54	N57	-4.403361	0	-0.332435	0	
55	N58	-4.431546	0	-0.348708	0	
56	N59	-6.056682	0	2.793179	0	
57	N60	-6.198308	0	2.711412	0	
58	N62	1.65988	0	0.958332	0	
59	N63	2.87119	0	1.657682	0	
60	N64	5.845741	0	3.37504	0	
61	N65	4.157646	0	-0.57052	0	
62	N66	1.721507	0.166667	3.648998	0	
63	N67	4.020876	0.166667	-0.333627	0	
64	N68	1.721507	0	3.648998	0	
65	N69	4.020876	0	-0.333627	0	
66	N70	5.686889	0.166667	3.648995	0	
67	N71	6.004252	0.166667	3.101686	0	
68	N72	5.687233	0	3.64959	0	
69	N73	6.003909	0	3.101092	0	
70	N74	1.584737	0	3.88589	0	
71	N75	2.954525	0	1.513348	0	
72	N76	2.787858	0	1.802023	0	
73	N77	5.572305	0	3.848651	0	
74	N78	6.11918	0	2.901436	0	
75	N79	4.320026	0	-0.47677	0	
76	N80	1.747116	0	3.97964	0	
77	N81	4.403359	0	-0.332432	0	
78	N82	4.431544	0	-0.348705	0	
79	N83	6.05668	0	2.793183	0	
80	N84	6.198306	0	2.711415	0	
81	N85	1.913783	0	3.97964	0	
82	N86	1.913783	0	4.012186	0	
83	N87A	5.447305	0	3.848651	0	
84	N88	5.447305	0	4.012186	0	
85	N86A	7.016317	0	4.128252	0	
86	N87	-0.067013	0	-8.140434	0	
87	N88A	-0.057987	0	-7.923928	0	
88	N89	-6.891317	0	3.911746	0	
89	N89A	5.999996	0	4.012182	0	
90	N90	-0.000004	0	4.012182	0	
91	N91	-3.750004	0	4.012182	0	
92	N92	-6.416671	0	4.012182	0	
93	N93	5.999996	0	4.262182	0	
94	N94	-0.000004	0	4.262182	0	
95	N95	-3.750004	0	4.262182	0	
96	N96	-6.416671	0	4.262182	0	
97	N97	5.999996	2.666667	4.262182	0	
98	N98	-0.000004	2.666667	4.262182	0	
99	N99	-3.750004	2.666667	4.262182	0	
100	N100	-6.416671	2.666667	4.262182	0	
101	N101	5.999996	-3.333333	4.262182	0	
102	N102	-0.000004	-3.333333	4.262182	0	
103	N103	-3.750004	-3.333333	4.262182	0	
104	N104	-6.416671	-3.333333	4.262182	0	
105	N106	0.474654	0	-7.20224	0	
106	N107	3.474654	0	-2.006088	0	
107	N108	5.349654	0	1.241507	0	
108	N109	6.682987	0	3.550908	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
109	N110	0.69116	0	-7.32724	0	
110	N111	3.69116	0	-2.131088	0	
111	N112	5.56616	0	1.116507	0	
112	N113	6.899494	0	3.425908	0	
113	N114A	0.69116	2.666667	-7.32724	0	
114	N115A	3.69116	2.666667	-2.131088	0	
115	N116	5.56616	2.666667	1.116507	0	
116	N117A	6.899494	2.666667	3.425908	0	
117	N118	0.69116	-3.333333	-7.32724	0	
118	N119A	3.69116	-3.333333	-2.131088	0	
119	N120	5.56616	-3.333333	1.116507	0	
120	N121A	6.899494	-3.333333	3.425908	0	
121	N123A	-6.47465	0	3.190058	0	
122	N124	-3.47465	0	-2.006095	0	
123	N125A	-1.59965	0	-5.25369	0	
124	N126A	-0.266317	0	-7.563091	0	
125	N127A	-6.691156	0	3.065058	0	
126	N128A	-3.691156	0	-2.131095	0	
127	N129A	-1.816156	0	-5.37869	0	
128	N130A	-0.482823	0	-7.688091	0	
129	N131A	-6.691156	2.666667	3.065058	0	
130	N132A	-3.691156	2.666667	-2.131095	0	
131	N133A	-1.816156	2.666667	-5.37869	0	
132	N134A	-0.482823	2.666667	-7.688091	0	
133	N135A	-6.691156	-3.333333	3.065058	0	
134	N136A	-3.691156	-3.333333	-2.131095	0	
135	N137A	-1.816156	-3.333333	-5.37869	0	
136	N138A	-0.482823	-3.333333	-7.688091	0	
137	N137B	-0.	0	-2.815364	0	
138	N138B	0.25	0	-2.815364	0	
139	N139A	0.25	-.5	-2.815364	0	
140	N140	0.25	3.5	-2.815364	0	
141	N141	5.999996	-0.333333	4.262182	0	
142	N142	5.999996	1.666667	4.262182	0	
143	N143	5.999996	-2.333333	4.262182	0	
144	N146	5.999996	2	4.012182	0	
145	N147	-0.000004	2	4.012182	0	
146	N148	-3.750004	2	4.012182	0	
147	N149	-6.416671	2	4.012182	0	
148	N150	5.999996	2	4.262182	0	
149	N151	-0.000004	2	4.262182	0	
150	N152	-3.750004	2	4.262182	0	
151	N153	-6.416671	2	4.262182	0	
152	N154	0.474654	2	-7.20224	0	
153	N155	3.474654	2	-2.006088	0	
154	N156	5.349654	2	1.241507	0	
155	N157	0.69116	2	-7.32724	0	
156	N158	3.69116	2	-2.131088	0	
157	N159	5.56616	2	1.116507	0	
158	N160	-6.47465	2	3.190058	0	
159	N161	-3.47465	2	-2.006095	0	
160	N162	-1.59965	2	-5.25369	0	
161	N163	-0.266317	2	-7.563091	0	
162	N164	-6.691156	2	3.065058	0	
163	N165	-3.691156	2	-2.131095	0	
164	N166	-1.816156	2	-5.37869	0	
165	N167	-0.482823	2	-7.688091	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
166	N172	-5.499996	2	4.012182	0	
167	N173	5.499999	2	4.012182	0	
168	N174	-5.499996	2	3.845516	0	
169	N175	5.499999	2	3.845516	0	
170	N178	6.22465	2	2.757045	0	
171	N179	0.724487	2	-6.769516	0	
172	N180	6.080312	2	2.840378	0	
173	N181	0.58015	2	-6.686183	0	
174	N184	-0.724654	2	-6.769228	0	
175	N185	-6.224817	2	2.757334	0	
176	N186	-0.580316	2	-6.685894	0	
177	N187	-6.080479	2	2.840667	0	
178	N184A	6.583329	2	4.012182	0	
179	N185A	0.182987	2	-7.707422	0	
180	N186A	-6.766317	2	3.695239	0	
181	N187A	-6.750004	2	4.012182	0	
182	N188	6.849654	2	3.839584	0	
183	N189	-0.09965	2	-7.851766	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	Q235	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	Q235	Typical	3.37	7.8	7.8	12.8
3	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
4	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
5	Corner Plate	PL1/2X6	Beam	BAR	Q235	Typical	3	.063	9	.237
6	Platform Crossme...	HSS4X4X4	Beam	SquareTube	Q235	Typical	3.37	7.8	7.8	12.8
7	Grating Support	L2x2x3	Beam	Single Angle	Q235	Typical	.722	.271	.271	.009
8	Mount Pipe	PIPE_2.0	Column	Wide Flange	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Mount Pipe_1	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
10	Cross Arm Plate	PL3/8x6	Column	RECT	Q235	Typical	2.25	.026	6.75	.101
11	Replacement Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/f...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M20	N53A	N36			Face Horizontal	Beam	Pipe	Q235	Typical
2	M72A	N112A	N114			Standoff Horiz...	Beam	SquareTube	Q235	Typical
3	M73	N125	N127			Platform Cross...	Beam	SquareTube	Q235	Typical
4	M74	N126	N115			Platform Cross...	Beam	SquareTube	Q235	Typical
5	M75	N129	N128			Corner Plate	Beam	BAR	Q235	Typical
6	M76	N117	N120B			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
7	M77	N116A	N119			RIGID	None	None	RIGID	Typical
8	M78	N121	N116A			Grating Support	Beam	Single Angle	Q235	Typical
9	M79	N117	N122			Grating Support	Beam	Single Angle	Q235	Typical
10	M80	N122	N124A			RIGID	None	None	RIGID	Typical
11	M81	N121	N123			RIGID	None	None	RIGID	Typical
12	M82	N126	N113A			RIGID	None	None	RIGID	Typical
13	M83	N113A	N127			RIGID	None	None	RIGID	Typical
14	M84	N115	N130			Cross Arm Plate	Column	RECT	Q235	Typical
15	M85	N130	N132			Cross Arm Plate	Column	RECT	Q235	Typical
16	M86A	N132	N133			RIGID	None	None	RIGID	Typical
17	M87A	N129	N134			Corner Plate	Beam	BAR	Q235	Typical
18	M88	N134	N135			RIGID	None	None	RIGID	Typical
19	M89A	N125	N131			Cross Arm Plate	Column	RECT	Q235	Typical
20	M90A	N131	N136			Cross Arm Plate	Column	RECT	Q235	Typical
21	M91	N136	N137			RIGID	None	None	RIGID	Typical
22	M92	N128	N138			Corner Plate	Beam	BAR	Q235	Typical
23	M93A	N138	N139			RIGID	None	None	RIGID	Typical
24	M25	N34	N36A			Standoff Horiz...	Beam	SquareTube	Q235	Typical
25	M26	N46	N48			Platform Cross...	Beam	SquareTube	Q235	Typical
26	M27	N47	N37			Platform Cross...	Beam	SquareTube	Q235	Typical
27	M28	N50	N49			Corner Plate	Beam	BAR	Q235	Typical
28	M29	N39	N41			RIGID	None	None	RIGID	Typical
29	M30	N38	N40			RIGID	None	None	RIGID	Typical
30	M31	N42	N38			Grating Support	Beam	Single Angle	Q235	Typical
31	M32	N39	N43			Grating Support	Beam	Single Angle	Q235	Typical
32	M33	N43	N45			RIGID	None	None	RIGID	Typical
33	M34	N42	N44			RIGID	None	None	RIGID	Typical
34	M35	N47	N35			RIGID	None	None	RIGID	Typical
35	M36	N35	N48			RIGID	None	None	RIGID	Typical
36	M37	N37	N51			Cross Arm Plate	Column	RECT	Q235	Typical
37	M38	N51	N53			Cross Arm Plate	Column	RECT	Q235	Typical
38	M39	N53	N54			RIGID	None	None	RIGID	Typical
39	M40	N50	N55			Corner Plate	Beam	BAR	Q235	Typical
40	M41	N55	N56			RIGID	None	None	RIGID	Typical
41	M42	N46	N52			Cross Arm Plate	Column	RECT	Q235	Typical
42	M43	N52	N57			Cross Arm Plate	Column	RECT	Q235	Typical
43	M44	N57	N58			RIGID	None	None	RIGID	Typical
44	M45	N49	N59			Corner Plate	Beam	BAR	Q235	Typical
45	M46	N59	N60			RIGID	None	None	RIGID	Typical
46	M47	N62	N64			Standoff Horiz...	Beam	SquareTube	Q235	Typical
47	M48	N74	N76			Platform Cross...	Beam	SquareTube	Q235	Typical
48	M49	N75	N65			Platform Cross...	Beam	SquareTube	Q235	Typical
49	M50	N78	N77			Corner Plate	Beam	BAR	Q235	Typical
50	M51	N67	N69			RIGID	None	None	RIGID	Typical
51	M52	N66	N68			RIGID	None	None	RIGID	Typical
52	M53	N70	N66			Grating Support	Beam	Single Angle	Q235	Typical
53	M54	N67	N71			Grating Support	Beam	Single Angle	Q235	Typical
54	M55	N71	N73			RIGID	None	None	RIGID	Typical
55	M56	N70	N72			RIGID	None	None	RIGID	Typical
56	M57	N75	N63			RIGID	None	None	RIGID	Typical
57	M58	N63	N76			RIGID	None	None	RIGID	Typical
58	M59	N65	N79			Cross Arm Plate	Column	RECT	Q235	Typical
59	M60	N79	N81			Cross Arm Plate	Column	RECT	Q235	Typical
60	M61	N81	N82			RIGID	None	None	RIGID	Typical
61	M62	N78	N83			Corner Plate	Beam	BAR	Q235	Typical
62	M63	N83	N84			RIGID	None	None	RIGID	Typical
63	M64	N74	N80			Cross Arm Plate	Column	RECT	Q235	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
64	M65	N80	N85			Cross Arm Plate	Column	RECT	Q235	Typical
65	M66	N85	N86			RIGID	None	None	RIGID	Typical
66	M67	N77	N87A			Corner Plate	Beam	BAR	Q235	Typical
67	M68A	N87A	N88			RIGID	None	None	RIGID	Typical
68	M68	N87	N86A			Face Horizontal	Beam	Pipe	Q235	Typical
69	M69	N89	N88A			Face Horizontal	Beam	Pipe	Q235	Typical
70	M70	N96	N92			RIGID	None	None	RIGID	Typical
71	M71	N95	N91			RIGID	None	None	RIGID	Typical
72	M72	N94	N90			RIGID	None	None	RIGID	Typical
73	M73A	N93	N89A			RIGID	None	None	RIGID	Typical
74	MP4A	N100	N104			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
75	MP3A	N99	N103			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
76	MP2A	N98	N102			Replacement ...	Column	Pipe	A53 Gr.B	Typical
77	MP1A	N97	N101			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
78	M78A	N113	N109			RIGID	None	None	RIGID	Typical
79	M79A	N112	N108			RIGID	None	None	RIGID	Typical
80	M80A	N111	N107			RIGID	None	None	RIGID	Typical
81	M81A	N110	N106			RIGID	None	None	RIGID	Typical
82	MP4C	N117A	N121A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
83	MP3C	N116	N120			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
84	MP2C	N115A	N119A			Replacement ...	Column	Pipe	A53 Gr.B	Typical
85	MP1C	N114A	N118			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
86	M86	N130A	N126A			RIGID	None	None	RIGID	Typical
87	M87	N129A	N125A			RIGID	None	None	RIGID	Typical
88	M88A	N128A	N124			RIGID	None	None	RIGID	Typical
89	M89	N127A	N123A			RIGID	None	None	RIGID	Typical
90	MP4B	N134A	N138A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
91	MP3B	N133A	N137A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
92	MP2B	N132A	N136A			Replacement ...	Column	Pipe	A53 Gr.B	Typical
93	MP1B	N131A	N135A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
94	OVP	N140	N139A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
95	M95	N137B	N138B			RIGID	None	None	RIGID	Typical
96	M97	N153	N149			RIGID	None	None	RIGID	Typical
97	M98	N152	N148			RIGID	None	None	RIGID	Typical
98	M99	N151	N147			RIGID	None	None	RIGID	Typical
99	M100	N150	N146			RIGID	None	None	RIGID	Typical
100	M101	N159	N156			RIGID	None	None	RIGID	Typical
101	M102	N158	N155			RIGID	None	None	RIGID	Typical
102	M103	N157	N154			RIGID	None	None	RIGID	Typical
103	M104	N167	N163			RIGID	None	None	RIGID	Typical
104	M105	N166	N162			RIGID	None	None	RIGID	Typical
105	M106	N165	N161			RIGID	None	None	RIGID	Typical
106	M107	N164	N160			RIGID	None	None	RIGID	Typical
107	M110	N172	N174			RIGID	None	None	RIGID	Typical
108	M111	N173	N175			RIGID	None	None	RIGID	Typical
109	M113	N178	N180			RIGID	None	None	RIGID	Typical
110	M114	N179	N181			RIGID	None	None	RIGID	Typical
111	M116	N184	N186			RIGID	None	None	RIGID	Typical
112	M117	N185	N187			RIGID	None	None	RIGID	Typical
113	M118	N174	N187		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
114	M119	N186	N181		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
115	M120	N180	N175		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
116	M119A	N184A	N187A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
117	M120A	N185A	N188			Support Rail	Beam	Pipe	A53 Gr.B	Typical
118	M121	N186A	N189			Support Rail	Beam	Pipe	A53 Gr.B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M20						Yes				None
2	M72A						Yes	Default			None
3	M73						Yes				None
4	M74						Yes				None
5	M75						Yes				None
6	M76						Yes	** NA **			None
7	M77						Yes	** NA **			None
8	M78	OOOOOX	OOOOOX				Yes				None
9	M79	OOOOOX	OOOOOX				Yes				None
10	M80						Yes	** NA **			None
11	M81						Yes	** NA **			None
12	M82						Yes	** NA **			None
13	M83						Yes	** NA **			None
14	M84						Yes	** NA **			None
15	M85						Yes	** NA **			None
16	M86A		BenPIN				Yes	** NA **			None
17	M87A						Yes				None
18	M88		BenPIN				Yes	** NA **			None
19	M89A						Yes	** NA **			None
20	M90A						Yes	** NA **			None
21	M91		BenPIN				Yes	** NA **			None
22	M92						Yes				None
23	M93A		BenPIN				Yes	** NA **			None
24	M25						Yes	Default			None
25	M26						Yes				None
26	M27						Yes				None
27	M28						Yes				None
28	M29						Yes	** NA **			None
29	M30						Yes	** NA **			None
30	M31	OOOOOX	OOOOOX				Yes				None
31	M32	OOOOOX	OOOOOX				Yes				None
32	M33						Yes	** NA **			None
33	M34						Yes	** NA **			None
34	M35						Yes	** NA **			None
35	M36						Yes	** NA **			None
36	M37						Yes	** NA **			None
37	M38						Yes	** NA **			None
38	M39		BenPIN				Yes	** NA **			None
39	M40						Yes				None
40	M41		BenPIN				Yes	** NA **			None
41	M42						Yes	** NA **			None
42	M43						Yes	** NA **			None
43	M44		BenPIN				Yes	** NA **			None
44	M45						Yes				None
45	M46		BenPIN				Yes	** NA **			None
46	M47						Yes	Default			None
47	M48						Yes				None
48	M49						Yes				None
49	M50						Yes				None
50	M51						Yes	** NA **			None
51	M52						Yes	** NA **			None
52	M53	OOOOOX	OOOOOX				Yes				None
53	M54	OOOOOX	OOOOOX				Yes				None
54	M55						Yes	** NA **			None
55	M56						Yes	** NA **			None
56	M57						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	M58						Yes	** NA **			None
58	M59						Yes	** NA **			None
59	M60						Yes	** NA **			None
60	M61		BenPIN				Yes	** NA **			None
61	M62						Yes				None
62	M63		BenPIN				Yes	** NA **			None
63	M64						Yes	** NA **			None
64	M65						Yes	** NA **			None
65	M66		BenPIN				Yes	** NA **			None
66	M67						Yes				None
67	M68A		BenPIN				Yes	** NA **			None
68	M68						Yes				None
69	M69						Yes				None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73A						Yes	** NA **			None
74	MP4A						Yes	** NA **			None
75	MP3A						Yes	** NA **			None
76	MP2A						Yes	** NA **			None
77	MP1A						Yes	** NA **			None
78	M78A						Yes	** NA **			None
79	M79A						Yes	** NA **			None
80	M80A						Yes	** NA **			None
81	M81A						Yes	** NA **			None
82	MP4C						Yes	** NA **			None
83	MP3C						Yes	** NA **			None
84	MP2C						Yes	** NA **			None
85	MP1C						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M88A						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	MP4B						Yes	** NA **			None
91	MP3B						Yes	** NA **			None
92	MP2B						Yes	** NA **			None
93	MP1B						Yes	** NA **			None
94	OVP						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	M97						Yes	** NA **			None
97	M98						Yes	** NA **			None
98	M99						Yes	** NA **			None
99	M100						Yes	** NA **			None
100	M101						Yes	** NA **			None
101	M102						Yes	** NA **			None
102	M103						Yes	** NA **			None
103	M104						Yes	** NA **			None
104	M105						Yes	** NA **			None
105	M106						Yes	** NA **			None
106	M107						Yes	** NA **			None
107	M110	OOOOOX					Yes	** NA **			None
108	M111	OOOOOX					Yes	** NA **			None
109	M113	OOOOOX					Yes	** NA **			None
110	M114	OOOOOX					Yes	** NA **			None
111	M116	OOOOOX					Yes	** NA **			None
112	M117	OOOOOX					Yes	** NA **			None
113	M118						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...
114	M119						Yes				None
115	M120						Yes				None
116	M119A						Yes				None
117	M120A						Yes				None
118	M121						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-17.6	4
2	MP2A	My	.009	4
3	MP2A	Mz	0	4
4	MP2C	Y	-17.6	4
5	MP2C	My	-.002	4
6	MP2C	Mz	-.009	4
7	MP4A	Y	-4.95	1
8	MP4A	My	-.002	1
9	MP4A	Mz	0	1
10	MP4A	Y	-4.95	5
11	MP4A	My	-.002	5
12	MP4A	Mz	0	5
13	MP4B	Y	-4.95	1
14	MP4B	My	.000846	1
15	MP4B	Mz	-.002	1
16	MP4B	Y	-4.95	5
17	MP4B	My	.000846	5
18	MP4B	Mz	-.002	5
19	MP4C	Y	-4.95	1
20	MP4C	My	.000846	1
21	MP4C	Mz	.002	1
22	MP4C	Y	-4.95	5
23	MP4C	My	.000846	5
24	MP4C	Mz	.002	5
25	MP2A	Y	-23	1
26	MP2A	My	-.017	1
27	MP2A	Mz	.015	1
28	MP2A	Y	-23	5
29	MP2A	My	-.017	5
30	MP2A	Mz	.015	5
31	MP2B	Y	-23	1
32	MP2B	My	-.009	1
33	MP2B	Mz	-.021	1
34	MP2B	Y	-23	5
35	MP2B	My	-.009	5
36	MP2B	Mz	-.021	5
37	MP2A	Y	-23	1
38	MP2A	My	-.017	1
39	MP2A	Mz	-.015	1
40	MP2A	Y	-23	5
41	MP2A	My	-.017	5
42	MP2A	Mz	-.015	5
43	MP2B	Y	-23	1
44	MP2B	My	.02	1
45	MP2B	Mz	-.011	1
46	MP2B	Y	-23	5
47	MP2B	My	.02	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mz	-.011	5
49	MP2C	Y	-23	1
50	MP2C	My	.018	1
51	MP2C	Mz	.014	1
52	MP2C	Y	-23	5
53	MP2C	My	.018	5
54	MP2C	Mz	.014	5
55	MP2C	Y	-23	1
56	MP2C	My	-.012	1
57	MP2C	Mz	.02	1
58	MP2C	Y	-23	5
59	MP2C	My	-.012	5
60	MP2C	Mz	.02	5
61	MP1A	Y	-43.55	2
62	MP1A	My	-.033	2
63	MP1A	Mz	0	2
64	MP1A	Y	-43.55	4
65	MP1A	My	-.033	4
66	MP1A	Mz	0	4
67	MP1B	Y	-43.55	2
68	MP1B	My	.011	2
69	MP1B	Mz	-.031	2
70	MP1B	Y	-43.55	4
71	MP1B	My	.011	4
72	MP1B	Mz	-.031	4
73	MP1C	Y	-43.55	2
74	MP1C	My	.006	2
75	MP1C	Mz	.032	2
76	MP1C	Y	-43.55	4
77	MP1C	My	.006	4
78	MP1C	Mz	.032	4
79	MP3A	Y	-84.4	.5
80	MP3A	My	.04	.5
81	MP3A	Mz	.014	.5
82	MP3B	Y	-84.4	.5
83	MP3B	My	.04	.5
84	MP3B	Mz	.014	.5
85	MP3C	Y	-84.4	.5
86	MP3C	My	.04	.5
87	MP3C	Mz	.014	.5
88	MP2A	Y	-70.3	1.5
89	MP2A	My	.033	1.5
90	MP2A	Mz	.012	1.5
91	MP2B	Y	-70.3	1.5
92	MP2B	My	.033	1.5
93	MP2B	Mz	.012	1.5
94	MP2C	Y	-70.3	1.5
95	MP2C	My	.033	1.5
96	MP2C	Mz	.012	1.5
97	OVP	Y	-32	1
98	OVP	My	0	1
99	OVP	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-16.399	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	My	.008	4
3	MP2A	Mz	0	4
4	MP2C	Y	-16.399	4
5	MP2C	My	-.001	4
6	MP2C	Mz	-.008	4
7	MP4A	Y	-33.87	1
8	MP4A	My	-.017	1
9	MP4A	Mz	0	1
10	MP4A	Y	-33.87	5
11	MP4A	My	-.017	5
12	MP4A	Mz	0	5
13	MP4B	Y	-33.87	1
14	MP4B	My	.006	1
15	MP4B	Mz	-.016	1
16	MP4B	Y	-33.87	5
17	MP4B	My	.006	5
18	MP4B	Mz	-.016	5
19	MP4C	Y	-33.87	1
20	MP4C	My	.006	1
21	MP4C	Mz	.016	1
22	MP4C	Y	-33.87	5
23	MP4C	My	.006	5
24	MP4C	Mz	.016	5
25	MP2A	Y	-78.44	1
26	MP2A	My	-.059	1
27	MP2A	Mz	.052	1
28	MP2A	Y	-78.44	5
29	MP2A	My	-.059	5
30	MP2A	Mz	.052	5
31	MP2B	Y	-78.44	1
32	MP2B	My	-.029	1
33	MP2B	Mz	-.073	1
34	MP2B	Y	-78.44	5
35	MP2B	My	-.029	5
36	MP2B	Mz	-.073	5
37	MP2A	Y	-78.44	1
38	MP2A	My	-.059	1
39	MP2A	Mz	-.052	1
40	MP2A	Y	-78.44	5
41	MP2A	My	-.059	5
42	MP2A	Mz	-.052	5
43	MP2B	Y	-78.44	1
44	MP2B	My	.069	1
45	MP2B	Mz	-.037	1
46	MP2B	Y	-78.44	5
47	MP2B	My	.069	5
48	MP2B	Mz	-.037	5
49	MP2C	Y	-78.44	1
50	MP2C	My	.062	1
51	MP2C	Mz	.049	1
52	MP2C	Y	-78.44	5
53	MP2C	My	.062	5
54	MP2C	Mz	.049	5
55	MP2C	Y	-78.44	1
56	MP2C	My	-.041	1
57	MP2C	Mz	.067	1
58	MP2C	Y	-78.44	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2C	Mv	-.041	5
60	MP2C	Mz	.067	5
61	MP1A	Y	-33.828	2
62	MP1A	My	-.025	2
63	MP1A	Mz	0	2
64	MP1A	Y	-33.828	4
65	MP1A	My	-.025	4
66	MP1A	Mz	0	4
67	MP1B	Y	-33.828	2
68	MP1B	My	.009	2
69	MP1B	Mz	-.024	2
70	MP1B	Y	-33.828	4
71	MP1B	My	.009	4
72	MP1B	Mz	-.024	4
73	MP1C	Y	-33.828	2
74	MP1C	My	.004	2
75	MP1C	Mz	.025	2
76	MP1C	Y	-33.828	4
77	MP1C	My	.004	4
78	MP1C	Mz	.025	4
79	MP3A	Y	-42.617	.5
80	MP3A	My	.02	.5
81	MP3A	Mz	.007	.5
82	MP3B	Y	-42.617	.5
83	MP3B	My	.02	.5
84	MP3B	Mz	.007	.5
85	MP3C	Y	-42.617	.5
86	MP3C	My	.02	.5
87	MP3C	Mz	.007	.5
88	MP2A	Y	-38.312	1.5
89	MP2A	My	.018	1.5
90	MP2A	Mz	.007	1.5
91	MP2B	Y	-38.312	1.5
92	MP2B	My	.018	1.5
93	MP2B	Mz	.007	1.5
94	MP2C	Y	-38.312	1.5
95	MP2C	My	.018	1.5
96	MP2C	Mz	.007	1.5
97	OVP	Y	-72.174	1
98	OVP	My	0	1
99	OVP	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	4
2	MP2A	Z	-28.11	4
3	MP2A	Mx	0	4
4	MP2C	X	0	4
5	MP2C	Z	-9.116	4
6	MP2C	Mx	.004	4
7	MP4A	X	0	1
8	MP4A	Z	-69.103	1
9	MP4A	Mx	0	1
10	MP4A	X	0	5
11	MP4A	Z	-69.103	5
12	MP4A	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP4B	X	0	1
14	MP4B	Z	-40.623	1
15	MP4B	Mx	.019	1
16	MP4B	X	0	5
17	MP4B	Z	-40.623	5
18	MP4B	Mx	.019	5
19	MP4C	X	0	1
20	MP4C	Z	-40.623	1
21	MP4C	Mx	-.019	1
22	MP4C	X	0	5
23	MP4C	Z	-40.623	5
24	MP4C	Mx	-.019	5
25	MP2A	X	0	1
26	MP2A	Z	-69.25	1
27	MP2A	Mx	-.046	1
28	MP2A	X	0	5
29	MP2A	Z	-69.25	5
30	MP2A	Mx	-.046	5
31	MP2B	X	0	1
32	MP2B	Z	-53.865	1
33	MP2B	Mx	.05	1
34	MP2B	X	0	5
35	MP2B	Z	-53.865	5
36	MP2B	Mx	.05	5
37	MP2A	X	0	1
38	MP2A	Z	-69.25	1
39	MP2A	Mx	.046	1
40	MP2A	X	0	5
41	MP2A	Z	-69.25	5
42	MP2A	Mx	.046	5
43	MP2B	X	0	1
44	MP2B	Z	-53.865	1
45	MP2B	Mx	.026	1
46	MP2B	X	0	5
47	MP2B	Z	-53.865	5
48	MP2B	Mx	.026	5
49	MP2C	X	0	1
50	MP2C	Z	-52.353	1
51	MP2C	Mx	-.033	1
52	MP2C	X	0	5
53	MP2C	Z	-52.353	5
54	MP2C	Mx	-.033	5
55	MP2C	X	0	1
56	MP2C	Z	-52.353	1
57	MP2C	Mx	-.045	1
58	MP2C	X	0	5
59	MP2C	Z	-52.353	5
60	MP2C	Mx	-.045	5
61	MP1A	X	0	2
62	MP1A	Z	-57.391	2
63	MP1A	Mx	0	2
64	MP1A	X	0	4
65	MP1A	Z	-57.391	4
66	MP1A	Mx	0	4
67	MP1B	X	0	2
68	MP1B	Z	-24.166	2
69	MP1B	Mx	.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1B	X	0	4
71	MP1B	Z	-24.166	4
72	MP1B	Mx	.017	4
73	MP1C	X	0	2
74	MP1C	Z	-20.899	2
75	MP1C	Mx	-.015	2
76	MP1C	X	0	4
77	MP1C	Z	-20.899	4
78	MP1C	Mx	-.015	4
79	MP3A	X	0	.5
80	MP3A	Z	-43.639	.5
81	MP3A	Mx	-.007	.5
82	MP3B	X	0	.5
83	MP3B	Z	-43.639	.5
84	MP3B	Mx	-.007	.5
85	MP3C	X	0	.5
86	MP3C	Z	-43.639	.5
87	MP3C	Mx	-.007	.5
88	MP2A	X	0	1.5
89	MP2A	Z	-42.988	1.5
90	MP2A	Mx	-.007	1.5
91	MP2B	X	0	1.5
92	MP2B	Z	-42.988	1.5
93	MP2B	Mx	-.007	1.5
94	MP2C	X	0	1.5
95	MP2C	Z	-42.988	1.5
96	MP2C	Mx	-.007	1.5
97	OVP	X	0	1
98	OVP	Z	-90.218	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	11.607	4
2	MP2A	Z	-20.104	4
3	MP2A	Mx	.006	4
4	MP2C	X	8.309	4
5	MP2C	Z	-14.391	4
6	MP2C	Mx	.006	4
7	MP4A	X	30.52	1
8	MP4A	Z	-52.862	1
9	MP4A	Mx	-.015	1
10	MP4A	X	30.52	5
11	MP4A	Z	-52.862	5
12	MP4A	Mx	-.015	5
13	MP4B	X	18.912	1
14	MP4B	Z	-32.756	1
15	MP4B	Mx	.019	1
16	MP4B	X	18.912	5
17	MP4B	Z	-32.756	5
18	MP4B	Mx	.019	5
19	MP4C	X	27.889	1
20	MP4C	Z	-48.304	1
21	MP4C	Mx	-.018	1
22	MP4C	X	27.889	5
23	MP4C	Z	-48.304	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP4C	Mx	-.018	5
25	MP2A	X	32.447	1
26	MP2A	Z	-56.2	1
27	MP2A	Mx	-.062	1
28	MP2A	X	32.447	5
29	MP2A	Z	-56.2	5
30	MP2A	Mx	-.062	5
31	MP2B	X	26.176	1
32	MP2B	Z	-45.339	1
33	MP2B	Mx	.033	1
34	MP2B	X	26.176	5
35	MP2B	Z	-45.339	5
36	MP2B	Mx	.033	5
37	MP2A	X	32.447	1
38	MP2A	Z	-56.2	1
39	MP2A	Mx	.013	1
40	MP2A	X	32.447	5
41	MP2A	Z	-56.2	5
42	MP2A	Mx	.013	5
43	MP2B	X	26.176	1
44	MP2B	Z	-45.339	1
45	MP2B	Mx	.045	1
46	MP2B	X	26.176	5
47	MP2B	Z	-45.339	5
48	MP2B	Mx	.045	5
49	MP2C	X	29.513	1
50	MP2C	Z	-51.118	1
51	MP2C	Mx	-.009	1
52	MP2C	X	29.513	5
53	MP2C	Z	-51.118	5
54	MP2C	Mx	-.009	5
55	MP2C	X	29.513	1
56	MP2C	Z	-51.118	1
57	MP2C	Mx	-.059	1
58	MP2C	X	29.513	5
59	MP2C	Z	-51.118	5
60	MP2C	Mx	-.059	5
61	MP1A	X	23.992	2
62	MP1A	Z	-41.556	2
63	MP1A	Mx	-.018	2
64	MP1A	X	23.992	4
65	MP1A	Z	-41.556	4
66	MP1A	Mx	-.018	4
67	MP1B	X	10.45	2
68	MP1B	Z	-18.099	2
69	MP1B	Mx	.015	2
70	MP1B	X	10.45	4
71	MP1B	Z	-18.099	4
72	MP1B	Mx	.015	4
73	MP1C	X	17.655	2
74	MP1C	Z	-30.58	2
75	MP1C	Mx	-.02	2
76	MP1C	X	17.655	4
77	MP1C	Z	-30.58	4
78	MP1C	Mx	-.02	4
79	MP3A	X	22.468	.5
80	MP3A	Z	-38.915	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP3A	Mx	.004	.5
82	MP3B	X	22.468	.5
83	MP3B	Z	-38.915	.5
84	MP3B	Mx	.004	.5
85	MP3C	X	22.468	.5
86	MP3C	Z	-38.915	.5
87	MP3C	Mx	.004	.5
88	MP2A	X	22.384	1.5
89	MP2A	Z	-38.77	1.5
90	MP2A	Mx	.004	1.5
91	MP2B	X	22.384	1.5
92	MP2B	Z	-38.77	1.5
93	MP2B	Mx	.004	1.5
94	MP2C	X	22.384	1.5
95	MP2C	Z	-38.77	1.5
96	MP2C	Mx	.004	1.5
97	OVP	X	46.075	1
98	OVP	Z	-79.804	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	11.624	4
2	MP2A	Z	-6.711	4
3	MP2A	Mx	.006	4
4	MP2C	X	22.36	4
5	MP2C	Z	-12.909	4
6	MP2C	Mx	.004	4
7	MP4A	X	38.896	1
8	MP4A	Z	-22.457	1
9	MP4A	Mx	-.019	1
10	MP4A	X	38.896	5
11	MP4A	Z	-22.457	5
12	MP4A	Mx	-.019	5
13	MP4B	X	43.454	1
14	MP4B	Z	-25.088	1
15	MP4B	Mx	.019	1
16	MP4B	X	43.454	5
17	MP4B	Z	-25.088	5
18	MP4B	Mx	.019	5
19	MP4C	X	59.003	1
20	MP4C	Z	-34.065	1
21	MP4C	Mx	-.006	1
22	MP4C	X	59.003	5
23	MP4C	Z	-34.065	5
24	MP4C	Mx	-.006	5
25	MP2A	X	48.656	1
26	MP2A	Z	-28.091	1
27	MP2A	Mx	-.055	1
28	MP2A	X	48.656	5
29	MP2A	Z	-28.091	5
30	MP2A	Mx	-.055	5
31	MP2B	X	51.118	1
32	MP2B	Z	-29.513	1
33	MP2B	Mx	.009	1
34	MP2B	X	51.118	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2B	Z	-29.513	5
36	MP2B	Mx	.009	5
37	MP2A	X	48.656	1
38	MP2A	Z	-28.091	1
39	MP2A	Mx	-.018	1
40	MP2A	X	48.656	5
41	MP2A	Z	-28.091	5
42	MP2A	Mx	-.018	5
43	MP2B	X	51.118	1
44	MP2B	Z	-29.513	1
45	MP2B	Mx	.059	1
46	MP2B	X	51.118	5
47	MP2B	Z	-29.513	5
48	MP2B	Mx	.059	5
49	MP2C	X	58.207	1
50	MP2C	Z	-33.606	1
51	MP2C	Mx	.025	1
52	MP2C	X	58.207	5
53	MP2C	Z	-33.606	5
54	MP2C	Mx	.025	5
55	MP2C	X	58.207	1
56	MP2C	Z	-33.606	1
57	MP2C	Mx	-.059	1
58	MP2C	X	58.207	5
59	MP2C	Z	-33.606	5
60	MP2C	Mx	-.059	5
61	MP1A	X	25.263	2
62	MP1A	Z	-14.586	2
63	MP1A	Mx	-.019	2
64	MP1A	X	25.263	4
65	MP1A	Z	-14.586	4
66	MP1A	Mx	-.019	4
67	MP1B	X	30.58	2
68	MP1B	Z	-17.655	2
69	MP1B	Mx	.02	2
70	MP1B	X	30.58	4
71	MP1B	Z	-17.655	4
72	MP1B	Mx	.02	4
73	MP1C	X	45.89	2
74	MP1C	Z	-26.495	2
75	MP1C	Mx	-.014	2
76	MP1C	X	45.89	4
77	MP1C	Z	-26.495	4
78	MP1C	Mx	-.014	4
79	MP3A	X	33.962	.5
80	MP3A	Z	-19.608	.5
81	MP3A	Mx	.013	.5
82	MP3B	X	33.962	.5
83	MP3B	Z	-19.608	.5
84	MP3B	Mx	.013	.5
85	MP3C	X	33.962	.5
86	MP3C	Z	-19.608	.5
87	MP3C	Mx	.013	.5
88	MP2A	X	31.971	1.5
89	MP2A	Z	-18.458	1.5
90	MP2A	Mx	.012	1.5
91	MP2B	X	31.971	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP2B	Z	-18.458	1.5
93	MP2B	Mx	.012	1.5
94	MP2C	X	31.971	1.5
95	MP2C	Z	-18.458	1.5
96	MP2C	Mx	.012	1.5
97	OVP	X	72.422	1
98	OVP	Z	-41.813	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.526	4
2	MP2A	Z	0	4
3	MP2A	Mx	.004	4
4	MP2C	X	27.519	4
5	MP2C	Z	0	4
6	MP2C	Mx	-.002	4
7	MP4A	X	36.851	1
8	MP4A	Z	0	1
9	MP4A	Mx	-.018	1
10	MP4A	X	36.851	5
11	MP4A	Z	0	5
12	MP4A	Mx	-.018	5
13	MP4B	X	65.33	1
14	MP4B	Z	0	1
15	MP4B	Mx	.011	1
16	MP4B	X	65.33	5
17	MP4B	Z	0	5
18	MP4B	Mx	.011	5
19	MP4C	X	65.33	1
20	MP4C	Z	0	1
21	MP4C	Mx	.011	1
22	MP4C	X	65.33	5
23	MP4C	Z	0	5
24	MP4C	Mx	.011	5
25	MP2A	X	51.827	1
26	MP2A	Z	0	1
27	MP2A	Mx	-.039	1
28	MP2A	X	51.827	5
29	MP2A	Z	0	5
30	MP2A	Mx	-.039	5
31	MP2B	X	67.212	1
32	MP2B	Z	0	1
33	MP2B	Mx	-.025	1
34	MP2B	X	67.212	5
35	MP2B	Z	0	5
36	MP2B	Mx	-.025	5
37	MP2A	X	51.827	1
38	MP2A	Z	0	1
39	MP2A	Mx	-.039	1
40	MP2A	X	51.827	5
41	MP2A	Z	0	5
42	MP2A	Mx	-.039	5
43	MP2B	X	67.212	1
44	MP2B	Z	0	1
45	MP2B	Mx	.059	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	67.212	5
47	MP2B	Z	0	5
48	MP2B	Mx	.059	5
49	MP2C	X	68.724	1
50	MP2C	Z	0	1
51	MP2C	Mx	.054	1
52	MP2C	X	68.724	5
53	MP2C	Z	0	5
54	MP2C	Mx	.054	5
55	MP2C	X	68.724	1
56	MP2C	Z	0	1
57	MP2C	Mx	-.036	1
58	MP2C	X	68.724	5
59	MP2C	Z	0	5
60	MP2C	Mx	-.036	5
61	MP1A	X	19.765	2
62	MP1A	Z	0	2
63	MP1A	Mx	-.015	2
64	MP1A	X	19.765	4
65	MP1A	Z	0	4
66	MP1A	Mx	-.015	4
67	MP1B	X	52.989	2
68	MP1B	Z	0	2
69	MP1B	Mx	.014	2
70	MP1B	X	52.989	4
71	MP1B	Z	0	4
72	MP1B	Mx	.014	4
73	MP1C	X	56.256	2
74	MP1C	Z	0	2
75	MP1C	Mx	.007	2
76	MP1C	X	56.256	4
77	MP1C	Z	0	4
78	MP1C	Mx	.007	4
79	MP3A	X	32.199	.5
80	MP3A	Z	0	.5
81	MP3A	Mx	.015	.5
82	MP3B	X	32.199	.5
83	MP3B	Z	0	.5
84	MP3B	Mx	.015	.5
85	MP3C	X	32.199	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	.015	.5
88	MP2A	X	27.286	1.5
89	MP2A	Z	0	1.5
90	MP2A	Mx	.013	1.5
91	MP2B	X	27.286	1.5
92	MP2B	Z	0	1.5
93	MP2B	Mx	.013	1.5
94	MP2C	X	27.286	1.5
95	MP2C	Z	0	1.5
96	MP2C	Mx	.013	1.5
97	OVP	X	73.17	1
98	OVP	Z	0	1
99	OVP	Mx	0	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	11.624	4
2	MP2A	Z	6.711	4
3	MP2A	Mx	.006	4
4	MP2C	X	17.336	4
5	MP2C	Z	10.009	4
6	MP2C	Mx	-.006	4
7	MP4A	X	38.896	1
8	MP4A	Z	22.457	1
9	MP4A	Mx	-.019	1
10	MP4A	X	38.896	5
11	MP4A	Z	22.457	5
12	MP4A	Mx	-.019	5
13	MP4B	X	59.003	1
14	MP4B	Z	34.065	1
15	MP4B	Mx	-.006	1
16	MP4B	X	59.003	5
17	MP4B	Z	34.065	5
18	MP4B	Mx	-.006	5
19	MP4C	X	43.454	1
20	MP4C	Z	25.088	1
21	MP4C	Mx	.019	1
22	MP4C	X	43.454	5
23	MP4C	Z	25.088	5
24	MP4C	Mx	.019	5
25	MP2A	X	48.656	1
26	MP2A	Z	28.091	1
27	MP2A	Mx	-.018	1
28	MP2A	X	48.656	5
29	MP2A	Z	28.091	5
30	MP2A	Mx	-.018	5
31	MP2B	X	59.517	1
32	MP2B	Z	34.362	1
33	MP2B	Mx	-.054	1
34	MP2B	X	59.517	5
35	MP2B	Z	34.362	5
36	MP2B	Mx	-.054	5
37	MP2A	X	48.656	1
38	MP2A	Z	28.091	1
39	MP2A	Mx	-.055	1
40	MP2A	X	48.656	5
41	MP2A	Z	28.091	5
42	MP2A	Mx	-.055	5
43	MP2B	X	59.517	1
44	MP2B	Z	34.362	1
45	MP2B	Mx	.036	1
46	MP2B	X	59.517	5
47	MP2B	Z	34.362	5
48	MP2B	Mx	.036	5
49	MP2C	X	53.738	1
50	MP2C	Z	31.026	1
51	MP2C	Mx	.062	1
52	MP2C	X	53.738	5
53	MP2C	Z	31.026	5
54	MP2C	Mx	.062	5
55	MP2C	X	53.738	1
56	MP2C	Z	31.026	1
57	MP2C	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2C	X	53.738	5
59	MP2C	Z	31.026	5
60	MP2C	Mx	-.002	5
61	MP1A	X	25.263	2
62	MP1A	Z	14.586	2
63	MP1A	Mx	-.019	2
64	MP1A	X	25.263	4
65	MP1A	Z	14.586	4
66	MP1A	Mx	-.019	4
67	MP1B	X	48.719	2
68	MP1B	Z	28.128	2
69	MP1B	Mx	-.007	2
70	MP1B	X	48.719	4
71	MP1B	Z	28.128	4
72	MP1B	Mx	-.007	4
73	MP1C	X	36.238	2
74	MP1C	Z	20.922	2
75	MP1C	Mx	.02	2
76	MP1C	X	36.238	4
77	MP1C	Z	20.922	4
78	MP1C	Mx	.02	4
79	MP3A	X	26.762	.5
80	MP3A	Z	15.451	.5
81	MP3A	Mx	.015	.5
82	MP3B	X	26.762	.5
83	MP3B	Z	15.451	.5
84	MP3B	Mx	.015	.5
85	MP3C	X	26.762	.5
86	MP3C	Z	15.451	.5
87	MP3C	Mx	.015	.5
88	MP2A	X	22.09	1.5
89	MP2A	Z	12.753	1.5
90	MP2A	Mx	.013	1.5
91	MP2B	X	22.09	1.5
92	MP2B	Z	12.753	1.5
93	MP2B	Mx	.013	1.5
94	MP2C	X	22.09	1.5
95	MP2C	Z	12.753	1.5
96	MP2C	Mx	.013	1.5
97	OVP	X	61.694	1
98	OVP	Z	35.619	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	11.607	4
2	MP2A	Z	20.104	4
3	MP2A	Mx	.006	4
4	MP2C	X	5.408	4
5	MP2C	Z	9.368	4
6	MP2C	Mx	-.005	4
7	MP4A	X	30.52	1
8	MP4A	Z	52.862	1
9	MP4A	Mx	-.015	1
10	MP4A	X	30.52	5
11	MP4A	Z	52.862	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4A	Mx	-.015	5
13	MP4B	X	27.889	1
14	MP4B	Z	48.304	1
15	MP4B	Mx	-.018	1
16	MP4B	X	27.889	5
17	MP4B	Z	48.304	5
18	MP4B	Mx	-.018	5
19	MP4C	X	18.912	1
20	MP4C	Z	32.756	1
21	MP4C	Mx	.019	1
22	MP4C	X	18.912	5
23	MP4C	Z	32.756	5
24	MP4C	Mx	.019	5
25	MP2A	X	32.447	1
26	MP2A	Z	56.2	1
27	MP2A	Mx	.013	1
28	MP2A	X	32.447	5
29	MP2A	Z	56.2	5
30	MP2A	Mx	.013	5
31	MP2B	X	31.026	1
32	MP2B	Z	53.738	1
33	MP2B	Mx	-.062	1
34	MP2B	X	31.026	5
35	MP2B	Z	53.738	5
36	MP2B	Mx	-.062	5
37	MP2A	X	32.447	1
38	MP2A	Z	56.2	1
39	MP2A	Mx	-.062	1
40	MP2A	X	32.447	5
41	MP2A	Z	56.2	5
42	MP2A	Mx	-.062	5
43	MP2B	X	31.026	1
44	MP2B	Z	53.738	1
45	MP2B	Mx	.002	1
46	MP2B	X	31.026	5
47	MP2B	Z	53.738	5
48	MP2B	Mx	.002	5
49	MP2C	X	26.933	1
50	MP2C	Z	46.649	1
51	MP2C	Mx	.05	1
52	MP2C	X	26.933	5
53	MP2C	Z	46.649	5
54	MP2C	Mx	.05	5
55	MP2C	X	26.933	1
56	MP2C	Z	46.649	1
57	MP2C	Mx	.026	1
58	MP2C	X	26.933	5
59	MP2C	Z	46.649	5
60	MP2C	Mx	.026	5
61	MP1A	X	23.992	2
62	MP1A	Z	41.556	2
63	MP1A	Mx	-.018	2
64	MP1A	X	23.992	4
65	MP1A	Z	41.556	4
66	MP1A	Mx	-.018	4
67	MP1B	X	20.922	2
68	MP1B	Z	36.238	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP1B	Mx	-.02	2
70	MP1B	X	20.922	4
71	MP1B	Z	36.238	4
72	MP1B	Mx	-.02	4
73	MP1C	X	12.083	2
74	MP1C	Z	20.928	2
75	MP1C	Mx	.017	2
76	MP1C	X	12.083	4
77	MP1C	Z	20.928	4
78	MP1C	Mx	.017	4
79	MP3A	X	18.311	.5
80	MP3A	Z	31.716	.5
81	MP3A	Mx	.014	.5
82	MP3B	X	18.311	.5
83	MP3B	Z	31.716	.5
84	MP3B	Mx	.014	.5
85	MP3C	X	18.311	.5
86	MP3C	Z	31.716	.5
87	MP3C	Mx	.014	.5
88	MP2A	X	16.679	1.5
89	MP2A	Z	28.889	1.5
90	MP2A	Mx	.013	1.5
91	MP2B	X	16.679	1.5
92	MP2B	Z	28.889	1.5
93	MP2B	Mx	.013	1.5
94	MP2C	X	16.679	1.5
95	MP2C	Z	28.889	1.5
96	MP2C	Mx	.013	1.5
97	OVP	X	39.881	1
98	OVP	Z	69.076	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	4
2	MP2A	Z	28.11	4
3	MP2A	Mx	0	4
4	MP2C	X	0	4
5	MP2C	Z	9.116	4
6	MP2C	Mx	-.004	4
7	MP4A	X	0	1
8	MP4A	Z	69.103	1
9	MP4A	Mx	0	1
10	MP4A	X	0	5
11	MP4A	Z	69.103	5
12	MP4A	Mx	0	5
13	MP4B	X	0	1
14	MP4B	Z	40.623	1
15	MP4B	Mx	-.019	1
16	MP4B	X	0	5
17	MP4B	Z	40.623	5
18	MP4B	Mx	-.019	5
19	MP4C	X	0	1
20	MP4C	Z	40.623	1
21	MP4C	Mx	.019	1
22	MP4C	X	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP4C	Z	40.623	5
24	MP4C	Mx	.019	5
25	MP2A	X	0	1
26	MP2A	Z	69.25	1
27	MP2A	Mx	.046	1
28	MP2A	X	0	5
29	MP2A	Z	69.25	5
30	MP2A	Mx	.046	5
31	MP2B	X	0	1
32	MP2B	Z	53.865	1
33	MP2B	Mx	-.05	1
34	MP2B	X	0	5
35	MP2B	Z	53.865	5
36	MP2B	Mx	-.05	5
37	MP2A	X	0	1
38	MP2A	Z	69.25	1
39	MP2A	Mx	-.046	1
40	MP2A	X	0	5
41	MP2A	Z	69.25	5
42	MP2A	Mx	-.046	5
43	MP2B	X	0	1
44	MP2B	Z	53.865	1
45	MP2B	Mx	-.026	1
46	MP2B	X	0	5
47	MP2B	Z	53.865	5
48	MP2B	Mx	-.026	5
49	MP2C	X	0	1
50	MP2C	Z	52.353	1
51	MP2C	Mx	.033	1
52	MP2C	X	0	5
53	MP2C	Z	52.353	5
54	MP2C	Mx	.033	5
55	MP2C	X	0	1
56	MP2C	Z	52.353	1
57	MP2C	Mx	.045	1
58	MP2C	X	0	5
59	MP2C	Z	52.353	5
60	MP2C	Mx	.045	5
61	MP1A	X	0	2
62	MP1A	Z	57.391	2
63	MP1A	Mx	0	2
64	MP1A	X	0	4
65	MP1A	Z	57.391	4
66	MP1A	Mx	0	4
67	MP1B	X	0	2
68	MP1B	Z	24.166	2
69	MP1B	Mx	-.017	2
70	MP1B	X	0	4
71	MP1B	Z	24.166	4
72	MP1B	Mx	-.017	4
73	MP1C	X	0	2
74	MP1C	Z	20.899	2
75	MP1C	Mx	.015	2
76	MP1C	X	0	4
77	MP1C	Z	20.899	4
78	MP1C	Mx	.015	4
79	MP3A	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3A	Z	43.639	.5
81	MP3A	Mx	.007	.5
82	MP3B	X	0	.5
83	MP3B	Z	43.639	.5
84	MP3B	Mx	.007	.5
85	MP3C	X	0	.5
86	MP3C	Z	43.639	.5
87	MP3C	Mx	.007	.5
88	MP2A	X	0	1.5
89	MP2A	Z	42.988	1.5
90	MP2A	Mx	.007	1.5
91	MP2B	X	0	1.5
92	MP2B	Z	42.988	1.5
93	MP2B	Mx	.007	1.5
94	MP2C	X	0	1.5
95	MP2C	Z	42.988	1.5
96	MP2C	Mx	.007	1.5
97	OVP	X	0	1
98	OVP	Z	90.218	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-11.607	4
2	MP2A	Z	20.104	4
3	MP2A	Mx	-.006	4
4	MP2C	X	-8.309	4
5	MP2C	Z	14.391	4
6	MP2C	Mx	-.006	4
7	MP4A	X	-30.52	1
8	MP4A	Z	52.862	1
9	MP4A	Mx	.015	1
10	MP4A	X	-30.52	5
11	MP4A	Z	52.862	5
12	MP4A	Mx	.015	5
13	MP4B	X	-18.912	1
14	MP4B	Z	32.756	1
15	MP4B	Mx	-.019	1
16	MP4B	X	-18.912	5
17	MP4B	Z	32.756	5
18	MP4B	Mx	-.019	5
19	MP4C	X	-27.889	1
20	MP4C	Z	48.304	1
21	MP4C	Mx	.018	1
22	MP4C	X	-27.889	5
23	MP4C	Z	48.304	5
24	MP4C	Mx	.018	5
25	MP2A	X	-32.447	1
26	MP2A	Z	56.2	1
27	MP2A	Mx	.062	1
28	MP2A	X	-32.447	5
29	MP2A	Z	56.2	5
30	MP2A	Mx	.062	5
31	MP2B	X	-26.176	1
32	MP2B	Z	45.339	1
33	MP2B	Mx	-.033	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2B	X	-26.176	5
35	MP2B	Z	45.339	5
36	MP2B	Mx	-.033	5
37	MP2A	X	-32.447	1
38	MP2A	Z	56.2	1
39	MP2A	Mx	-.013	1
40	MP2A	X	-32.447	5
41	MP2A	Z	56.2	5
42	MP2A	Mx	-.013	5
43	MP2B	X	-26.176	1
44	MP2B	Z	45.339	1
45	MP2B	Mx	-.045	1
46	MP2B	X	-26.176	5
47	MP2B	Z	45.339	5
48	MP2B	Mx	-.045	5
49	MP2C	X	-29.513	1
50	MP2C	Z	51.118	1
51	MP2C	Mx	.009	1
52	MP2C	X	-29.513	5
53	MP2C	Z	51.118	5
54	MP2C	Mx	.009	5
55	MP2C	X	-29.513	1
56	MP2C	Z	51.118	1
57	MP2C	Mx	.059	1
58	MP2C	X	-29.513	5
59	MP2C	Z	51.118	5
60	MP2C	Mx	.059	5
61	MP1A	X	-23.992	2
62	MP1A	Z	41.556	2
63	MP1A	Mx	.018	2
64	MP1A	X	-23.992	4
65	MP1A	Z	41.556	4
66	MP1A	Mx	.018	4
67	MP1B	X	-10.45	2
68	MP1B	Z	18.099	2
69	MP1B	Mx	-.015	2
70	MP1B	X	-10.45	4
71	MP1B	Z	18.099	4
72	MP1B	Mx	-.015	4
73	MP1C	X	-17.655	2
74	MP1C	Z	30.58	2
75	MP1C	Mx	.02	2
76	MP1C	X	-17.655	4
77	MP1C	Z	30.58	4
78	MP1C	Mx	.02	4
79	MP3A	X	-22.468	.5
80	MP3A	Z	38.915	.5
81	MP3A	Mx	-.004	.5
82	MP3B	X	-22.468	.5
83	MP3B	Z	38.915	.5
84	MP3B	Mx	-.004	.5
85	MP3C	X	-22.468	.5
86	MP3C	Z	38.915	.5
87	MP3C	Mx	-.004	.5
88	MP2A	X	-22.384	1.5
89	MP2A	Z	38.77	1.5
90	MP2A	Mx	-.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP2B	X	-22.384	1.5
92	MP2B	Z	38.77	1.5
93	MP2B	Mx	-.004	1.5
94	MP2C	X	-22.384	1.5
95	MP2C	Z	38.77	1.5
96	MP2C	Mx	-.004	1.5
97	OVP	X	-46.075	1
98	OVP	Z	79.804	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-11.624	4
2	MP2A	Z	6.711	4
3	MP2A	Mx	-.006	4
4	MP2C	X	-22.36	4
5	MP2C	Z	12.909	4
6	MP2C	Mx	-.004	4
7	MP4A	X	-38.896	1
8	MP4A	Z	22.457	1
9	MP4A	Mx	.019	1
10	MP4A	X	-38.896	5
11	MP4A	Z	22.457	5
12	MP4A	Mx	.019	5
13	MP4B	X	-43.454	1
14	MP4B	Z	25.088	1
15	MP4B	Mx	-.019	1
16	MP4B	X	-43.454	5
17	MP4B	Z	25.088	5
18	MP4B	Mx	-.019	5
19	MP4C	X	-59.003	1
20	MP4C	Z	34.065	1
21	MP4C	Mx	.006	1
22	MP4C	X	-59.003	5
23	MP4C	Z	34.065	5
24	MP4C	Mx	.006	5
25	MP2A	X	-48.656	1
26	MP2A	Z	28.091	1
27	MP2A	Mx	.055	1
28	MP2A	X	-48.656	5
29	MP2A	Z	28.091	5
30	MP2A	Mx	.055	5
31	MP2B	X	-51.118	1
32	MP2B	Z	29.513	1
33	MP2B	Mx	-.009	1
34	MP2B	X	-51.118	5
35	MP2B	Z	29.513	5
36	MP2B	Mx	-.009	5
37	MP2A	X	-48.656	1
38	MP2A	Z	28.091	1
39	MP2A	Mx	.018	1
40	MP2A	X	-48.656	5
41	MP2A	Z	28.091	5
42	MP2A	Mx	.018	5
43	MP2B	X	-51.118	1
44	MP2B	Z	29.513	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	-.059	1
46	MP2B	X	-51.118	5
47	MP2B	Z	29.513	5
48	MP2B	Mx	-.059	5
49	MP2C	X	-58.207	1
50	MP2C	Z	33.606	1
51	MP2C	Mx	-.025	1
52	MP2C	X	-58.207	5
53	MP2C	Z	33.606	5
54	MP2C	Mx	-.025	5
55	MP2C	X	-58.207	1
56	MP2C	Z	33.606	1
57	MP2C	Mx	.059	1
58	MP2C	X	-58.207	5
59	MP2C	Z	33.606	5
60	MP2C	Mx	.059	5
61	MP1A	X	-25.263	2
62	MP1A	Z	14.586	2
63	MP1A	Mx	.019	2
64	MP1A	X	-25.263	4
65	MP1A	Z	14.586	4
66	MP1A	Mx	.019	4
67	MP1B	X	-30.58	2
68	MP1B	Z	17.655	2
69	MP1B	Mx	-.02	2
70	MP1B	X	-30.58	4
71	MP1B	Z	17.655	4
72	MP1B	Mx	-.02	4
73	MP1C	X	-45.89	2
74	MP1C	Z	26.495	2
75	MP1C	Mx	.014	2
76	MP1C	X	-45.89	4
77	MP1C	Z	26.495	4
78	MP1C	Mx	.014	4
79	MP3A	X	-33.962	.5
80	MP3A	Z	19.608	.5
81	MP3A	Mx	-.013	.5
82	MP3B	X	-33.962	.5
83	MP3B	Z	19.608	.5
84	MP3B	Mx	-.013	.5
85	MP3C	X	-33.962	.5
86	MP3C	Z	19.608	.5
87	MP3C	Mx	-.013	.5
88	MP2A	X	-31.971	1.5
89	MP2A	Z	18.458	1.5
90	MP2A	Mx	-.012	1.5
91	MP2B	X	-31.971	1.5
92	MP2B	Z	18.458	1.5
93	MP2B	Mx	-.012	1.5
94	MP2C	X	-31.971	1.5
95	MP2C	Z	18.458	1.5
96	MP2C	Mx	-.012	1.5
97	OVP	X	-72.422	1
98	OVP	Z	41.813	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.526	4
2	MP2A	Z	0	4
3	MP2A	Mx	-.004	4
4	MP2C	X	-27.519	4
5	MP2C	Z	0	4
6	MP2C	Mx	.002	4
7	MP4A	X	-36.851	1
8	MP4A	Z	0	1
9	MP4A	Mx	.018	1
10	MP4A	X	-36.851	5
11	MP4A	Z	0	5
12	MP4A	Mx	.018	5
13	MP4B	X	-65.33	1
14	MP4B	Z	0	1
15	MP4B	Mx	-.011	1
16	MP4B	X	-65.33	5
17	MP4B	Z	0	5
18	MP4B	Mx	-.011	5
19	MP4C	X	-65.33	1
20	MP4C	Z	0	1
21	MP4C	Mx	-.011	1
22	MP4C	X	-65.33	5
23	MP4C	Z	0	5
24	MP4C	Mx	-.011	5
25	MP2A	X	-51.827	1
26	MP2A	Z	0	1
27	MP2A	Mx	.039	1
28	MP2A	X	-51.827	5
29	MP2A	Z	0	5
30	MP2A	Mx	.039	5
31	MP2B	X	-67.212	1
32	MP2B	Z	0	1
33	MP2B	Mx	.025	1
34	MP2B	X	-67.212	5
35	MP2B	Z	0	5
36	MP2B	Mx	.025	5
37	MP2A	X	-51.827	1
38	MP2A	Z	0	1
39	MP2A	Mx	.039	1
40	MP2A	X	-51.827	5
41	MP2A	Z	0	5
42	MP2A	Mx	.039	5
43	MP2B	X	-67.212	1
44	MP2B	Z	0	1
45	MP2B	Mx	-.059	1
46	MP2B	X	-67.212	5
47	MP2B	Z	0	5
48	MP2B	Mx	-.059	5
49	MP2C	X	-68.724	1
50	MP2C	Z	0	1
51	MP2C	Mx	-.054	1
52	MP2C	X	-68.724	5
53	MP2C	Z	0	5
54	MP2C	Mx	-.054	5
55	MP2C	X	-68.724	1
56	MP2C	Z	0	1
57	MP2C	Mx	.036	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2C	X	-68.724	5
59	MP2C	Z	0	5
60	MP2C	Mx	.036	5
61	MP1A	X	-19.765	2
62	MP1A	Z	0	2
63	MP1A	Mx	.015	2
64	MP1A	X	-19.765	4
65	MP1A	Z	0	4
66	MP1A	Mx	.015	4
67	MP1B	X	-52.989	2
68	MP1B	Z	0	2
69	MP1B	Mx	-.014	2
70	MP1B	X	-52.989	4
71	MP1B	Z	0	4
72	MP1B	Mx	-.014	4
73	MP1C	X	-56.256	2
74	MP1C	Z	0	2
75	MP1C	Mx	-.007	2
76	MP1C	X	-56.256	4
77	MP1C	Z	0	4
78	MP1C	Mx	-.007	4
79	MP3A	X	-32.199	.5
80	MP3A	Z	0	.5
81	MP3A	Mx	-.015	.5
82	MP3B	X	-32.199	.5
83	MP3B	Z	0	.5
84	MP3B	Mx	-.015	.5
85	MP3C	X	-32.199	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	-.015	.5
88	MP2A	X	-27.286	1.5
89	MP2A	Z	0	1.5
90	MP2A	Mx	-.013	1.5
91	MP2B	X	-27.286	1.5
92	MP2B	Z	0	1.5
93	MP2B	Mx	-.013	1.5
94	MP2C	X	-27.286	1.5
95	MP2C	Z	0	1.5
96	MP2C	Mx	-.013	1.5
97	OVP	X	-73.17	1
98	OVP	Z	0	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-11.624	4
2	MP2A	Z	-6.711	4
3	MP2A	Mx	-.006	4
4	MP2C	X	-17.336	4
5	MP2C	Z	-10.009	4
6	MP2C	Mx	.006	4
7	MP4A	X	-38.896	1
8	MP4A	Z	-22.457	1
9	MP4A	Mx	.019	1
10	MP4A	X	-38.896	5
11	MP4A	Z	-22.457	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4A	Mx	.019	5
13	MP4B	X	-59.003	1
14	MP4B	Z	-34.065	1
15	MP4B	Mx	.006	1
16	MP4B	X	-59.003	5
17	MP4B	Z	-34.065	5
18	MP4B	Mx	.006	5
19	MP4C	X	-43.454	1
20	MP4C	Z	-25.088	1
21	MP4C	Mx	-.019	1
22	MP4C	X	-43.454	5
23	MP4C	Z	-25.088	5
24	MP4C	Mx	-.019	5
25	MP2A	X	-48.656	1
26	MP2A	Z	-28.091	1
27	MP2A	Mx	.018	1
28	MP2A	X	-48.656	5
29	MP2A	Z	-28.091	5
30	MP2A	Mx	.018	5
31	MP2B	X	-59.517	1
32	MP2B	Z	-34.362	1
33	MP2B	Mx	.054	1
34	MP2B	X	-59.517	5
35	MP2B	Z	-34.362	5
36	MP2B	Mx	.054	5
37	MP2A	X	-48.656	1
38	MP2A	Z	-28.091	1
39	MP2A	Mx	.055	1
40	MP2A	X	-48.656	5
41	MP2A	Z	-28.091	5
42	MP2A	Mx	.055	5
43	MP2B	X	-59.517	1
44	MP2B	Z	-34.362	1
45	MP2B	Mx	-.036	1
46	MP2B	X	-59.517	5
47	MP2B	Z	-34.362	5
48	MP2B	Mx	-.036	5
49	MP2C	X	-53.738	1
50	MP2C	Z	-31.026	1
51	MP2C	Mx	-.062	1
52	MP2C	X	-53.738	5
53	MP2C	Z	-31.026	5
54	MP2C	Mx	-.062	5
55	MP2C	X	-53.738	1
56	MP2C	Z	-31.026	1
57	MP2C	Mx	.002	1
58	MP2C	X	-53.738	5
59	MP2C	Z	-31.026	5
60	MP2C	Mx	.002	5
61	MP1A	X	-25.263	2
62	MP1A	Z	-14.586	2
63	MP1A	Mx	.019	2
64	MP1A	X	-25.263	4
65	MP1A	Z	-14.586	4
66	MP1A	Mx	.019	4
67	MP1B	X	-48.719	2
68	MP1B	Z	-28.128	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP1B	Mx	.007	2
70	MP1B	X	-48.719	4
71	MP1B	Z	-28.128	4
72	MP1B	Mx	.007	4
73	MP1C	X	-36.238	2
74	MP1C	Z	-20.922	2
75	MP1C	Mx	-.02	2
76	MP1C	X	-36.238	4
77	MP1C	Z	-20.922	4
78	MP1C	Mx	-.02	4
79	MP3A	X	-26.762	.5
80	MP3A	Z	-15.451	.5
81	MP3A	Mx	-.015	.5
82	MP3B	X	-26.762	.5
83	MP3B	Z	-15.451	.5
84	MP3B	Mx	-.015	.5
85	MP3C	X	-26.762	.5
86	MP3C	Z	-15.451	.5
87	MP3C	Mx	-.015	.5
88	MP2A	X	-22.09	1.5
89	MP2A	Z	-12.753	1.5
90	MP2A	Mx	-.013	1.5
91	MP2B	X	-22.09	1.5
92	MP2B	Z	-12.753	1.5
93	MP2B	Mx	-.013	1.5
94	MP2C	X	-22.09	1.5
95	MP2C	Z	-12.753	1.5
96	MP2C	Mx	-.013	1.5
97	OVP	X	-61.694	1
98	OVP	Z	-35.619	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-11.607	4
2	MP2A	Z	-20.104	4
3	MP2A	Mx	-.006	4
4	MP2C	X	-5.408	4
5	MP2C	Z	-9.368	4
6	MP2C	Mx	.005	4
7	MP4A	X	-30.52	1
8	MP4A	Z	-52.862	1
9	MP4A	Mx	.015	1
10	MP4A	X	-30.52	5
11	MP4A	Z	-52.862	5
12	MP4A	Mx	.015	5
13	MP4B	X	-27.889	1
14	MP4B	Z	-48.304	1
15	MP4B	Mx	.018	1
16	MP4B	X	-27.889	5
17	MP4B	Z	-48.304	5
18	MP4B	Mx	.018	5
19	MP4C	X	-18.912	1
20	MP4C	Z	-32.756	1
21	MP4C	Mx	-.019	1
22	MP4C	X	-18.912	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP4C	Z	-32.756	5
24	MP4C	Mx	-.019	5
25	MP2A	X	-32.447	1
26	MP2A	Z	-56.2	1
27	MP2A	Mx	-.013	1
28	MP2A	X	-32.447	5
29	MP2A	Z	-56.2	5
30	MP2A	Mx	-.013	5
31	MP2B	X	-31.026	1
32	MP2B	Z	-53.738	1
33	MP2B	Mx	.062	1
34	MP2B	X	-31.026	5
35	MP2B	Z	-53.738	5
36	MP2B	Mx	.062	5
37	MP2A	X	-32.447	1
38	MP2A	Z	-56.2	1
39	MP2A	Mx	.062	1
40	MP2A	X	-32.447	5
41	MP2A	Z	-56.2	5
42	MP2A	Mx	.062	5
43	MP2B	X	-31.026	1
44	MP2B	Z	-53.738	1
45	MP2B	Mx	-.002	1
46	MP2B	X	-31.026	5
47	MP2B	Z	-53.738	5
48	MP2B	Mx	-.002	5
49	MP2C	X	-26.933	1
50	MP2C	Z	-46.649	1
51	MP2C	Mx	-.05	1
52	MP2C	X	-26.933	5
53	MP2C	Z	-46.649	5
54	MP2C	Mx	-.05	5
55	MP2C	X	-26.933	1
56	MP2C	Z	-46.649	1
57	MP2C	Mx	-.026	1
58	MP2C	X	-26.933	5
59	MP2C	Z	-46.649	5
60	MP2C	Mx	-.026	5
61	MP1A	X	-23.992	2
62	MP1A	Z	-41.556	2
63	MP1A	Mx	.018	2
64	MP1A	X	-23.992	4
65	MP1A	Z	-41.556	4
66	MP1A	Mx	.018	4
67	MP1B	X	-20.922	2
68	MP1B	Z	-36.238	2
69	MP1B	Mx	.02	2
70	MP1B	X	-20.922	4
71	MP1B	Z	-36.238	4
72	MP1B	Mx	.02	4
73	MP1C	X	-12.083	2
74	MP1C	Z	-20.928	2
75	MP1C	Mx	-.017	2
76	MP1C	X	-12.083	4
77	MP1C	Z	-20.928	4
78	MP1C	Mx	-.017	4
79	MP3A	X	-18.311	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3A	Z	-31.716	.5
81	MP3A	Mx	-.014	.5
82	MP3B	X	-18.311	.5
83	MP3B	Z	-31.716	.5
84	MP3B	Mx	-.014	.5
85	MP3C	X	-18.311	.5
86	MP3C	Z	-31.716	.5
87	MP3C	Mx	-.014	.5
88	MP2A	X	-16.679	1.5
89	MP2A	Z	-28.889	1.5
90	MP2A	Mx	-.013	1.5
91	MP2B	X	-16.679	1.5
92	MP2B	Z	-28.889	1.5
93	MP2B	Mx	-.013	1.5
94	MP2C	X	-16.679	1.5
95	MP2C	Z	-28.889	1.5
96	MP2C	Mx	-.013	1.5
97	OVP	X	-39.881	1
98	OVP	Z	-69.076	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	4
2	MP2A	Z	-6.185	4
3	MP2A	Mx	0	4
4	MP2C	X	0	4
5	MP2C	Z	-2.425	4
6	MP2C	Mx	.001	4
7	MP4A	X	0	1
8	MP4A	Z	-13.463	1
9	MP4A	Mx	0	1
10	MP4A	X	0	5
11	MP4A	Z	-13.463	5
12	MP4A	Mx	0	5
13	MP4B	X	0	1
14	MP4B	Z	-8.395	1
15	MP4B	Mx	.004	1
16	MP4B	X	0	5
17	MP4B	Z	-8.395	5
18	MP4B	Mx	.004	5
19	MP4C	X	0	1
20	MP4C	Z	-8.395	1
21	MP4C	Mx	-.004	1
22	MP4C	X	0	5
23	MP4C	Z	-8.395	5
24	MP4C	Mx	-.004	5
25	MP2A	X	0	1
26	MP2A	Z	-27.25	1
27	MP2A	Mx	-.018	1
28	MP2A	X	0	5
29	MP2A	Z	-27.25	5
30	MP2A	Mx	-.018	5
31	MP2B	X	0	1
32	MP2B	Z	-21.376	1
33	MP2B	Mx	.02	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2B	X	0	5
35	MP2B	Z	-21.376	5
36	MP2B	Mx	.02	5
37	MP2A	X	0	1
38	MP2A	Z	-27.25	1
39	MP2A	Mx	.018	1
40	MP2A	X	0	5
41	MP2A	Z	-27.25	5
42	MP2A	Mx	.018	5
43	MP2B	X	0	1
44	MP2B	Z	-21.376	1
45	MP2B	Mx	.01	1
46	MP2B	X	0	5
47	MP2B	Z	-21.376	5
48	MP2B	Mx	.01	5
49	MP2C	X	0	1
50	MP2C	Z	-20.798	1
51	MP2C	Mx	-.013	1
52	MP2C	X	0	5
53	MP2C	Z	-20.798	5
54	MP2C	Mx	-.013	5
55	MP2C	X	0	1
56	MP2C	Z	-20.798	1
57	MP2C	Mx	-.018	1
58	MP2C	X	0	5
59	MP2C	Z	-20.798	5
60	MP2C	Mx	-.018	5
61	MP1A	X	0	2
62	MP1A	Z	-13.424	2
63	MP1A	Mx	0	2
64	MP1A	X	0	4
65	MP1A	Z	-13.424	4
66	MP1A	Mx	0	4
67	MP1B	X	0	2
68	MP1B	Z	-6.6	2
69	MP1B	Mx	.005	2
70	MP1B	X	0	4
71	MP1B	Z	-6.6	4
72	MP1B	Mx	.005	4
73	MP1C	X	0	2
74	MP1C	Z	-5.929	2
75	MP1C	Mx	-.004	2
76	MP1C	X	0	4
77	MP1C	Z	-5.929	4
78	MP1C	Mx	-.004	4
79	MP3A	X	0	.5
80	MP3A	Z	-10.882	.5
81	MP3A	Mx	-.002	.5
82	MP3B	X	0	.5
83	MP3B	Z	-10.882	.5
84	MP3B	Mx	-.002	.5
85	MP3C	X	0	.5
86	MP3C	Z	-10.882	.5
87	MP3C	Mx	-.002	.5
88	MP2A	X	0	1.5
89	MP2A	Z	-10.728	1.5
90	MP2A	Mx	-.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP2B	X	0	1.5
92	MP2B	Z	-10.728	1.5
93	MP2B	Mx	-.002	1.5
94	MP2C	X	0	1.5
95	MP2C	Z	-10.728	1.5
96	MP2C	Mx	-.002	1.5
97	OVP	X	0	1
98	OVP	Z	-20.962	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.608	4
2	MP2A	Z	-4.517	4
3	MP2A	Mx	.001	4
4	MP2C	X	1.955	4
5	MP2C	Z	-3.386	4
6	MP2C	Mx	.001	4
7	MP4A	X	6.014	1
8	MP4A	Z	-10.417	1
9	MP4A	Mx	-.003	1
10	MP4A	X	6.014	5
11	MP4A	Z	-10.417	5
12	MP4A	Mx	-.003	5
13	MP4B	X	3.949	1
14	MP4B	Z	-6.839	1
15	MP4B	Mx	.004	1
16	MP4B	X	3.949	5
17	MP4B	Z	-6.839	5
18	MP4B	Mx	.004	5
19	MP4C	X	5.546	1
20	MP4C	Z	-9.606	1
21	MP4C	Mx	-.004	1
22	MP4C	X	5.546	5
23	MP4C	Z	-9.606	5
24	MP4C	Mx	-.004	5
25	MP2A	X	12.793	1
26	MP2A	Z	-22.159	1
27	MP2A	Mx	-.024	1
28	MP2A	X	12.793	5
29	MP2A	Z	-22.159	5
30	MP2A	Mx	-.024	5
31	MP2B	X	10.399	1
32	MP2B	Z	-18.012	1
33	MP2B	Mx	.013	1
34	MP2B	X	10.399	5
35	MP2B	Z	-18.012	5
36	MP2B	Mx	.013	5
37	MP2A	X	12.793	1
38	MP2A	Z	-22.159	1
39	MP2A	Mx	.005	1
40	MP2A	X	12.793	5
41	MP2A	Z	-22.159	5
42	MP2A	Mx	.005	5
43	MP2B	X	10.399	1
44	MP2B	Z	-18.012	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	.018	1
46	MP2B	X	10.399	5
47	MP2B	Z	-18.012	5
48	MP2B	Mx	.018	5
49	MP2C	X	11.673	1
50	MP2C	Z	-20.218	1
51	MP2C	Mx	-.003	1
52	MP2C	X	11.673	5
53	MP2C	Z	-20.218	5
54	MP2C	Mx	-.003	5
55	MP2C	X	11.673	1
56	MP2C	Z	-20.218	1
57	MP2C	Mx	-.023	1
58	MP2C	X	11.673	5
59	MP2C	Z	-20.218	5
60	MP2C	Mx	-.023	5
61	MP1A	X	5.746	2
62	MP1A	Z	-9.952	2
63	MP1A	Mx	-.004	2
64	MP1A	X	5.746	4
65	MP1A	Z	-9.952	4
66	MP1A	Mx	-.004	4
67	MP1B	X	2.964	2
68	MP1B	Z	-5.135	2
69	MP1B	Mx	.004	2
70	MP1B	X	2.964	4
71	MP1B	Z	-5.135	4
72	MP1B	Mx	.004	4
73	MP1C	X	4.444	2
74	MP1C	Z	-7.698	2
75	MP1C	Mx	-.005	2
76	MP1C	X	4.444	4
77	MP1C	Z	-7.698	4
78	MP1C	Mx	-.005	4
79	MP3A	X	5.591	.5
80	MP3A	Z	-9.683	.5
81	MP3A	Mx	.000971	.5
82	MP3B	X	5.591	.5
83	MP3B	Z	-9.683	.5
84	MP3B	Mx	.000971	.5
85	MP3C	X	5.591	.5
86	MP3C	Z	-9.683	.5
87	MP3C	Mx	.000971	.5
88	MP2A	X	5.571	1.5
89	MP2A	Z	-9.649	1.5
90	MP2A	Mx	.000967	1.5
91	MP2B	X	5.571	1.5
92	MP2B	Z	-9.649	1.5
93	MP2B	Mx	.000967	1.5
94	MP2C	X	5.571	1.5
95	MP2C	Z	-9.649	1.5
96	MP2C	Mx	.000967	1.5
97	OVP	X	10.781	1
98	OVP	Z	-18.673	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.839	4
2	MP2A	Z	-1.639	4
3	MP2A	Mx	.001	4
4	MP2C	X	4.964	4
5	MP2C	Z	-2.866	4
6	MP2C	Mx	.00098	4
7	MP4A	X	7.932	1
8	MP4A	Z	-4.579	1
9	MP4A	Mx	-.004	1
10	MP4A	X	7.932	5
11	MP4A	Z	-4.579	5
12	MP4A	Mx	-.004	5
13	MP4B	X	8.743	1
14	MP4B	Z	-5.048	1
15	MP4B	Mx	.004	1
16	MP4B	X	8.743	5
17	MP4B	Z	-5.048	5
18	MP4B	Mx	.004	5
19	MP4C	X	11.51	1
20	MP4C	Z	-6.645	1
21	MP4C	Mx	-.001	1
22	MP4C	X	11.51	5
23	MP4C	Z	-6.645	5
24	MP4C	Mx	-.001	5
25	MP2A	X	19.278	1
26	MP2A	Z	-11.13	1
27	MP2A	Mx	-.022	1
28	MP2A	X	19.278	5
29	MP2A	Z	-11.13	5
30	MP2A	Mx	-.022	5
31	MP2B	X	20.218	1
32	MP2B	Z	-11.673	1
33	MP2B	Mx	.003	1
34	MP2B	X	20.218	5
35	MP2B	Z	-11.673	5
36	MP2B	Mx	.003	5
37	MP2A	X	19.278	1
38	MP2A	Z	-11.13	1
39	MP2A	Mx	-.007	1
40	MP2A	X	19.278	5
41	MP2A	Z	-11.13	5
42	MP2A	Mx	-.007	5
43	MP2B	X	20.218	1
44	MP2B	Z	-11.673	1
45	MP2B	Mx	.023	1
46	MP2B	X	20.218	5
47	MP2B	Z	-11.673	5
48	MP2B	Mx	.023	5
49	MP2C	X	22.925	1
50	MP2C	Z	-13.236	1
51	MP2C	Mx	.01	1
52	MP2C	X	22.925	5
53	MP2C	Z	-13.236	5
54	MP2C	Mx	.01	5
55	MP2C	X	22.925	1
56	MP2C	Z	-13.236	1
57	MP2C	Mx	-.023	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2C	X	22.925	5
59	MP2C	Z	-13.236	5
60	MP2C	Mx	-.023	5
61	MP1A	X	6.606	2
62	MP1A	Z	-3.814	2
63	MP1A	Mx	-.005	2
64	MP1A	X	6.606	4
65	MP1A	Z	-3.814	4
66	MP1A	Mx	-.005	4
67	MP1B	X	7.698	2
68	MP1B	Z	-4.444	2
69	MP1B	Mx	.005	2
70	MP1B	X	7.698	4
71	MP1B	Z	-4.444	4
72	MP1B	Mx	.005	4
73	MP1C	X	10.842	2
74	MP1C	Z	-6.26	2
75	MP1C	Mx	-.003	2
76	MP1C	X	10.842	4
77	MP1C	Z	-6.26	4
78	MP1C	Mx	-.003	4
79	MP3A	X	8.539	.5
80	MP3A	Z	-4.93	.5
81	MP3A	Mx	.003	.5
82	MP3B	X	8.539	.5
83	MP3B	Z	-4.93	.5
84	MP3B	Mx	.003	.5
85	MP3C	X	8.539	.5
86	MP3C	Z	-4.93	.5
87	MP3C	Mx	.003	.5
88	MP2A	X	8.07	1.5
89	MP2A	Z	-4.659	1.5
90	MP2A	Mx	.003	1.5
91	MP2B	X	8.07	1.5
92	MP2B	Z	-4.659	1.5
93	MP2B	Mx	.003	1.5
94	MP2C	X	8.07	1.5
95	MP2C	Z	-4.659	1.5
96	MP2C	Mx	.003	1.5
97	OVP	X	16.382	1
98	OVP	Z	-9.458	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.308	4
2	MP2A	Z	0	4
3	MP2A	Mx	.001	4
4	MP2C	X	6.068	4
5	MP2C	Z	0	4
6	MP2C	Mx	-.000527	4
7	MP4A	X	7.724	1
8	MP4A	Z	0	1
9	MP4A	Mx	-.004	1
10	MP4A	X	7.724	5
11	MP4A	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4A	Mx	-.004	5
13	MP4B	X	12.792	1
14	MP4B	Z	0	1
15	MP4B	Mx	.002	1
16	MP4B	X	12.792	5
17	MP4B	Z	0	5
18	MP4B	Mx	.002	5
19	MP4C	X	12.792	1
20	MP4C	Z	0	1
21	MP4C	Mx	.002	1
22	MP4C	X	12.792	5
23	MP4C	Z	0	5
24	MP4C	Mx	.002	5
25	MP2A	X	20.598	1
26	MP2A	Z	0	1
27	MP2A	Mx	-.015	1
28	MP2A	X	20.598	5
29	MP2A	Z	0	5
30	MP2A	Mx	-.015	5
31	MP2B	X	26.472	1
32	MP2B	Z	0	1
33	MP2B	Mx	-.01	1
34	MP2B	X	26.472	5
35	MP2B	Z	0	5
36	MP2B	Mx	-.01	5
37	MP2A	X	20.598	1
38	MP2A	Z	0	1
39	MP2A	Mx	-.015	1
40	MP2A	X	20.598	5
41	MP2A	Z	0	5
42	MP2A	Mx	-.015	5
43	MP2B	X	26.472	1
44	MP2B	Z	0	1
45	MP2B	Mx	.023	1
46	MP2B	X	26.472	5
47	MP2B	Z	0	5
48	MP2B	Mx	.023	5
49	MP2C	X	27.049	1
50	MP2C	Z	0	1
51	MP2C	Mx	.021	1
52	MP2C	X	27.049	5
53	MP2C	Z	0	5
54	MP2C	Mx	.021	5
55	MP2C	X	27.049	1
56	MP2C	Z	0	1
57	MP2C	Mx	-.014	1
58	MP2C	X	27.049	5
59	MP2C	Z	0	5
60	MP2C	Mx	-.014	5
61	MP1A	X	5.696	2
62	MP1A	Z	0	2
63	MP1A	Mx	-.004	2
64	MP1A	X	5.696	4
65	MP1A	Z	0	4
66	MP1A	Mx	-.004	4
67	MP1B	X	12.52	2
68	MP1B	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP1B	Mx	.003	2
70	MP1B	X	12.52	4
71	MP1B	Z	0	4
72	MP1B	Mx	.003	4
73	MP1C	X	13.191	2
74	MP1C	Z	0	2
75	MP1C	Mx	.002	2
76	MP1C	X	13.191	4
77	MP1C	Z	0	4
78	MP1C	Mx	.002	4
79	MP3A	X	8.239	.5
80	MP3A	Z	0	.5
81	MP3A	Mx	.004	.5
82	MP3B	X	8.239	.5
83	MP3B	Z	0	.5
84	MP3B	Mx	.004	.5
85	MP3C	X	8.239	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	.004	.5
88	MP2A	X	7.082	1.5
89	MP2A	Z	0	1.5
90	MP2A	Mx	.003	1.5
91	MP2B	X	7.082	1.5
92	MP2B	Z	0	1.5
93	MP2B	Mx	.003	1.5
94	MP2C	X	7.082	1.5
95	MP2C	Z	0	1.5
96	MP2C	Mx	.003	1.5
97	OVP	X	15.672	1
98	OVP	Z	0	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.839	4
2	MP2A	Z	1.639	4
3	MP2A	Mx	.001	4
4	MP2C	X	3.969	4
5	MP2C	Z	2.292	4
6	MP2C	Mx	-.001	4
7	MP4A	X	7.932	1
8	MP4A	Z	4.579	1
9	MP4A	Mx	-.004	1
10	MP4A	X	7.932	5
11	MP4A	Z	4.579	5
12	MP4A	Mx	-.004	5
13	MP4B	X	11.51	1
14	MP4B	Z	6.645	1
15	MP4B	Mx	-.001	1
16	MP4B	X	11.51	5
17	MP4B	Z	6.645	5
18	MP4B	Mx	-.001	5
19	MP4C	X	8.743	1
20	MP4C	Z	5.048	1
21	MP4C	Mx	.004	1
22	MP4C	X	8.743	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP4C	Z	5.048	5
24	MP4C	Mx	.004	5
25	MP2A	X	19.278	1
26	MP2A	Z	11.13	1
27	MP2A	Mx	-.007	1
28	MP2A	X	19.278	5
29	MP2A	Z	11.13	5
30	MP2A	Mx	-.007	5
31	MP2B	X	23.426	1
32	MP2B	Z	13.525	1
33	MP2B	Mx	-.021	1
34	MP2B	X	23.426	5
35	MP2B	Z	13.525	5
36	MP2B	Mx	-.021	5
37	MP2A	X	19.278	1
38	MP2A	Z	11.13	1
39	MP2A	Mx	-.022	1
40	MP2A	X	19.278	5
41	MP2A	Z	11.13	5
42	MP2A	Mx	-.022	5
43	MP2B	X	23.426	1
44	MP2B	Z	13.525	1
45	MP2B	Mx	.014	1
46	MP2B	X	23.426	5
47	MP2B	Z	13.525	5
48	MP2B	Mx	.014	5
49	MP2C	X	21.219	1
50	MP2C	Z	12.251	1
51	MP2C	Mx	.024	1
52	MP2C	X	21.219	5
53	MP2C	Z	12.251	5
54	MP2C	Mx	.024	5
55	MP2C	X	21.219	1
56	MP2C	Z	12.251	1
57	MP2C	Mx	-.000701	1
58	MP2C	X	21.219	5
59	MP2C	Z	12.251	5
60	MP2C	Mx	-.000701	5
61	MP1A	X	6.606	2
62	MP1A	Z	3.814	2
63	MP1A	Mx	-.005	2
64	MP1A	X	6.606	4
65	MP1A	Z	3.814	4
66	MP1A	Mx	-.005	4
67	MP1B	X	11.424	2
68	MP1B	Z	6.595	2
69	MP1B	Mx	-.002	2
70	MP1B	X	11.424	4
71	MP1B	Z	6.595	4
72	MP1B	Mx	-.002	4
73	MP1C	X	8.86	2
74	MP1C	Z	5.115	2
75	MP1C	Mx	.005	2
76	MP1C	X	8.86	4
77	MP1C	Z	5.115	4
78	MP1C	Mx	.005	4
79	MP3A	X	6.876	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3A	Z	3.97	.5
81	MP3A	Mx	.004	.5
82	MP3B	X	6.876	.5
83	MP3B	Z	3.97	.5
84	MP3B	Mx	.004	.5
85	MP3C	X	6.876	.5
86	MP3C	Z	3.97	.5
87	MP3C	Mx	.004	.5
88	MP2A	X	5.775	1.5
89	MP2A	Z	3.334	1.5
90	MP2A	Mx	.003	1.5
91	MP2B	X	5.775	1.5
92	MP2B	Z	3.334	1.5
93	MP2B	Mx	.003	1.5
94	MP2C	X	5.775	1.5
95	MP2C	Z	3.334	1.5
96	MP2C	Mx	.003	1.5
97	OVP	X	13.053	1
98	OVP	Z	7.536	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.608	4
2	MP2A	Z	4.517	4
3	MP2A	Mx	.001	4
4	MP2C	X	1.381	4
5	MP2C	Z	2.392	4
6	MP2C	Mx	-.001	4
7	MP4A	X	6.014	1
8	MP4A	Z	10.417	1
9	MP4A	Mx	-.003	1
10	MP4A	X	6.014	5
11	MP4A	Z	10.417	5
12	MP4A	Mx	-.003	5
13	MP4B	X	5.546	1
14	MP4B	Z	9.606	1
15	MP4B	Mx	-.004	1
16	MP4B	X	5.546	5
17	MP4B	Z	9.606	5
18	MP4B	Mx	-.004	5
19	MP4C	X	3.949	1
20	MP4C	Z	6.839	1
21	MP4C	Mx	.004	1
22	MP4C	X	3.949	5
23	MP4C	Z	6.839	5
24	MP4C	Mx	.004	5
25	MP2A	X	12.793	1
26	MP2A	Z	22.159	1
27	MP2A	Mx	.005	1
28	MP2A	X	12.793	5
29	MP2A	Z	22.159	5
30	MP2A	Mx	.005	5
31	MP2B	X	12.251	1
32	MP2B	Z	21.219	1
33	MP2B	Mx	-.024	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2B	X	12.251	5
35	MP2B	Z	21.219	5
36	MP2B	Mx	-.024	5
37	MP2A	X	12.793	1
38	MP2A	Z	22.159	1
39	MP2A	Mx	-.024	1
40	MP2A	X	12.793	5
41	MP2A	Z	22.159	5
42	MP2A	Mx	-.024	5
43	MP2B	X	12.251	1
44	MP2B	Z	21.219	1
45	MP2B	Mx	.000701	1
46	MP2B	X	12.251	5
47	MP2B	Z	21.219	5
48	MP2B	Mx	.000701	5
49	MP2C	X	10.688	1
50	MP2C	Z	18.512	1
51	MP2C	Mx	.02	1
52	MP2C	X	10.688	5
53	MP2C	Z	18.512	5
54	MP2C	Mx	.02	5
55	MP2C	X	10.688	1
56	MP2C	Z	18.512	1
57	MP2C	Mx	.01	1
58	MP2C	X	10.688	5
59	MP2C	Z	18.512	5
60	MP2C	Mx	.01	5
61	MP1A	X	5.746	2
62	MP1A	Z	9.952	2
63	MP1A	Mx	-.004	2
64	MP1A	X	5.746	4
65	MP1A	Z	9.952	4
66	MP1A	Mx	-.004	4
67	MP1B	X	5.115	2
68	MP1B	Z	8.86	2
69	MP1B	Mx	-.005	2
70	MP1B	X	5.115	4
71	MP1B	Z	8.86	4
72	MP1B	Mx	-.005	4
73	MP1C	X	3.3	2
74	MP1C	Z	5.716	2
75	MP1C	Mx	.005	2
76	MP1C	X	3.3	4
77	MP1C	Z	5.716	4
78	MP1C	Mx	.005	4
79	MP3A	X	4.63	.5
80	MP3A	Z	8.02	.5
81	MP3A	Mx	.004	.5
82	MP3B	X	4.63	.5
83	MP3B	Z	8.02	.5
84	MP3B	Mx	.004	.5
85	MP3C	X	4.63	.5
86	MP3C	Z	8.02	.5
87	MP3C	Mx	.004	.5
88	MP2A	X	4.246	1.5
89	MP2A	Z	7.354	1.5
90	MP2A	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP2B	X	4.246	1.5
92	MP2B	Z	7.354	1.5
93	MP2B	Mx	.003	1.5
94	MP2C	X	4.246	1.5
95	MP2C	Z	7.354	1.5
96	MP2C	Mx	.003	1.5
97	OVP	X	8.859	1
98	OVP	Z	15.344	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	4
2	MP2A	Z	6.185	4
3	MP2A	Mx	0	4
4	MP2C	X	0	4
5	MP2C	Z	2.425	4
6	MP2C	Mx	-.001	4
7	MP4A	X	0	1
8	MP4A	Z	13.463	1
9	MP4A	Mx	0	1
10	MP4A	X	0	5
11	MP4A	Z	13.463	5
12	MP4A	Mx	0	5
13	MP4B	X	0	1
14	MP4B	Z	8.395	1
15	MP4B	Mx	-.004	1
16	MP4B	X	0	5
17	MP4B	Z	8.395	5
18	MP4B	Mx	-.004	5
19	MP4C	X	0	1
20	MP4C	Z	8.395	1
21	MP4C	Mx	.004	1
22	MP4C	X	0	5
23	MP4C	Z	8.395	5
24	MP4C	Mx	.004	5
25	MP2A	X	0	1
26	MP2A	Z	27.25	1
27	MP2A	Mx	.018	1
28	MP2A	X	0	5
29	MP2A	Z	27.25	5
30	MP2A	Mx	.018	5
31	MP2B	X	0	1
32	MP2B	Z	21.376	1
33	MP2B	Mx	-.02	1
34	MP2B	X	0	5
35	MP2B	Z	21.376	5
36	MP2B	Mx	-.02	5
37	MP2A	X	0	1
38	MP2A	Z	27.25	1
39	MP2A	Mx	-.018	1
40	MP2A	X	0	5
41	MP2A	Z	27.25	5
42	MP2A	Mx	-.018	5
43	MP2B	X	0	1
44	MP2B	Z	21.376	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	-.01	1
46	MP2B	X	0	5
47	MP2B	Z	21.376	5
48	MP2B	Mx	-.01	5
49	MP2C	X	0	1
50	MP2C	Z	20.798	1
51	MP2C	Mx	.013	1
52	MP2C	X	0	5
53	MP2C	Z	20.798	5
54	MP2C	Mx	.013	5
55	MP2C	X	0	1
56	MP2C	Z	20.798	1
57	MP2C	Mx	.018	1
58	MP2C	X	0	5
59	MP2C	Z	20.798	5
60	MP2C	Mx	.018	5
61	MP1A	X	0	2
62	MP1A	Z	13.424	2
63	MP1A	Mx	0	2
64	MP1A	X	0	4
65	MP1A	Z	13.424	4
66	MP1A	Mx	0	4
67	MP1B	X	0	2
68	MP1B	Z	6.6	2
69	MP1B	Mx	-.005	2
70	MP1B	X	0	4
71	MP1B	Z	6.6	4
72	MP1B	Mx	-.005	4
73	MP1C	X	0	2
74	MP1C	Z	5.929	2
75	MP1C	Mx	.004	2
76	MP1C	X	0	4
77	MP1C	Z	5.929	4
78	MP1C	Mx	.004	4
79	MP3A	X	0	.5
80	MP3A	Z	10.882	.5
81	MP3A	Mx	.002	.5
82	MP3B	X	0	.5
83	MP3B	Z	10.882	.5
84	MP3B	Mx	.002	.5
85	MP3C	X	0	.5
86	MP3C	Z	10.882	.5
87	MP3C	Mx	.002	.5
88	MP2A	X	0	1.5
89	MP2A	Z	10.728	1.5
90	MP2A	Mx	.002	1.5
91	MP2B	X	0	1.5
92	MP2B	Z	10.728	1.5
93	MP2B	Mx	.002	1.5
94	MP2C	X	0	1.5
95	MP2C	Z	10.728	1.5
96	MP2C	Mx	.002	1.5
97	OVP	X	0	1
98	OVP	Z	20.962	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.608	4
2	MP2A	Z	4.517	4
3	MP2A	Mx	-.001	4
4	MP2C	X	-1.955	4
5	MP2C	Z	3.386	4
6	MP2C	Mx	-.001	4
7	MP4A	X	-6.014	1
8	MP4A	Z	10.417	1
9	MP4A	Mx	.003	1
10	MP4A	X	-6.014	5
11	MP4A	Z	10.417	5
12	MP4A	Mx	.003	5
13	MP4B	X	-3.949	1
14	MP4B	Z	6.839	1
15	MP4B	Mx	-.004	1
16	MP4B	X	-3.949	5
17	MP4B	Z	6.839	5
18	MP4B	Mx	-.004	5
19	MP4C	X	-5.546	1
20	MP4C	Z	9.606	1
21	MP4C	Mx	.004	1
22	MP4C	X	-5.546	5
23	MP4C	Z	9.606	5
24	MP4C	Mx	.004	5
25	MP2A	X	-12.793	1
26	MP2A	Z	22.159	1
27	MP2A	Mx	.024	1
28	MP2A	X	-12.793	5
29	MP2A	Z	22.159	5
30	MP2A	Mx	.024	5
31	MP2B	X	-10.399	1
32	MP2B	Z	18.012	1
33	MP2B	Mx	-.013	1
34	MP2B	X	-10.399	5
35	MP2B	Z	18.012	5
36	MP2B	Mx	-.013	5
37	MP2A	X	-12.793	1
38	MP2A	Z	22.159	1
39	MP2A	Mx	-.005	1
40	MP2A	X	-12.793	5
41	MP2A	Z	22.159	5
42	MP2A	Mx	-.005	5
43	MP2B	X	-10.399	1
44	MP2B	Z	18.012	1
45	MP2B	Mx	-.018	1
46	MP2B	X	-10.399	5
47	MP2B	Z	18.012	5
48	MP2B	Mx	-.018	5
49	MP2C	X	-11.673	1
50	MP2C	Z	20.218	1
51	MP2C	Mx	.003	1
52	MP2C	X	-11.673	5
53	MP2C	Z	20.218	5
54	MP2C	Mx	.003	5
55	MP2C	X	-11.673	1
56	MP2C	Z	20.218	1
57	MP2C	Mx	.023	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2C	X	-11.673	5
59	MP2C	Z	20.218	5
60	MP2C	Mx	.023	5
61	MP1A	X	-5.746	2
62	MP1A	Z	9.952	2
63	MP1A	Mx	.004	2
64	MP1A	X	-5.746	4
65	MP1A	Z	9.952	4
66	MP1A	Mx	.004	4
67	MP1B	X	-2.964	2
68	MP1B	Z	5.135	2
69	MP1B	Mx	-.004	2
70	MP1B	X	-2.964	4
71	MP1B	Z	5.135	4
72	MP1B	Mx	-.004	4
73	MP1C	X	-4.444	2
74	MP1C	Z	7.698	2
75	MP1C	Mx	.005	2
76	MP1C	X	-4.444	4
77	MP1C	Z	7.698	4
78	MP1C	Mx	.005	4
79	MP3A	X	-5.591	.5
80	MP3A	Z	9.683	.5
81	MP3A	Mx	-.000971	.5
82	MP3B	X	-5.591	.5
83	MP3B	Z	9.683	.5
84	MP3B	Mx	-.000971	.5
85	MP3C	X	-5.591	.5
86	MP3C	Z	9.683	.5
87	MP3C	Mx	-.000971	.5
88	MP2A	X	-5.571	1.5
89	MP2A	Z	9.649	1.5
90	MP2A	Mx	-.000967	1.5
91	MP2B	X	-5.571	1.5
92	MP2B	Z	9.649	1.5
93	MP2B	Mx	-.000967	1.5
94	MP2C	X	-5.571	1.5
95	MP2C	Z	9.649	1.5
96	MP2C	Mx	-.000967	1.5
97	OVP	X	-10.781	1
98	OVP	Z	18.673	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.839	4
2	MP2A	Z	1.639	4
3	MP2A	Mx	-.001	4
4	MP2C	X	-4.964	4
5	MP2C	Z	2.866	4
6	MP2C	Mx	-.00098	4
7	MP4A	X	-7.932	1
8	MP4A	Z	4.579	1
9	MP4A	Mx	.004	1
10	MP4A	X	-7.932	5
11	MP4A	Z	4.579	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4A	Mx	.004	5
13	MP4B	X	-8.743	1
14	MP4B	Z	5.048	1
15	MP4B	Mx	-.004	1
16	MP4B	X	-8.743	5
17	MP4B	Z	5.048	5
18	MP4B	Mx	-.004	5
19	MP4C	X	-11.51	1
20	MP4C	Z	6.645	1
21	MP4C	Mx	.001	1
22	MP4C	X	-11.51	5
23	MP4C	Z	6.645	5
24	MP4C	Mx	.001	5
25	MP2A	X	-19.278	1
26	MP2A	Z	11.13	1
27	MP2A	Mx	.022	1
28	MP2A	X	-19.278	5
29	MP2A	Z	11.13	5
30	MP2A	Mx	.022	5
31	MP2B	X	-20.218	1
32	MP2B	Z	11.673	1
33	MP2B	Mx	-.003	1
34	MP2B	X	-20.218	5
35	MP2B	Z	11.673	5
36	MP2B	Mx	-.003	5
37	MP2A	X	-19.278	1
38	MP2A	Z	11.13	1
39	MP2A	Mx	.007	1
40	MP2A	X	-19.278	5
41	MP2A	Z	11.13	5
42	MP2A	Mx	.007	5
43	MP2B	X	-20.218	1
44	MP2B	Z	11.673	1
45	MP2B	Mx	-.023	1
46	MP2B	X	-20.218	5
47	MP2B	Z	11.673	5
48	MP2B	Mx	-.023	5
49	MP2C	X	-22.925	1
50	MP2C	Z	13.236	1
51	MP2C	Mx	-.01	1
52	MP2C	X	-22.925	5
53	MP2C	Z	13.236	5
54	MP2C	Mx	-.01	5
55	MP2C	X	-22.925	1
56	MP2C	Z	13.236	1
57	MP2C	Mx	.023	1
58	MP2C	X	-22.925	5
59	MP2C	Z	13.236	5
60	MP2C	Mx	.023	5
61	MP1A	X	-6.606	2
62	MP1A	Z	3.814	2
63	MP1A	Mx	.005	2
64	MP1A	X	-6.606	4
65	MP1A	Z	3.814	4
66	MP1A	Mx	.005	4
67	MP1B	X	-7.698	2
68	MP1B	Z	4.444	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP1B	Mx	-.005	2
70	MP1B	X	-7.698	4
71	MP1B	Z	4.444	4
72	MP1B	Mx	-.005	4
73	MP1C	X	-10.842	2
74	MP1C	Z	6.26	2
75	MP1C	Mx	.003	2
76	MP1C	X	-10.842	4
77	MP1C	Z	6.26	4
78	MP1C	Mx	.003	4
79	MP3A	X	-8.539	.5
80	MP3A	Z	4.93	.5
81	MP3A	Mx	-.003	.5
82	MP3B	X	-8.539	.5
83	MP3B	Z	4.93	.5
84	MP3B	Mx	-.003	.5
85	MP3C	X	-8.539	.5
86	MP3C	Z	4.93	.5
87	MP3C	Mx	-.003	.5
88	MP2A	X	-8.07	1.5
89	MP2A	Z	4.659	1.5
90	MP2A	Mx	-.003	1.5
91	MP2B	X	-8.07	1.5
92	MP2B	Z	4.659	1.5
93	MP2B	Mx	-.003	1.5
94	MP2C	X	-8.07	1.5
95	MP2C	Z	4.659	1.5
96	MP2C	Mx	-.003	1.5
97	OVP	X	-16.382	1
98	OVP	Z	9.458	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.308	4
2	MP2A	Z	0	4
3	MP2A	Mx	-.001	4
4	MP2C	X	-6.068	4
5	MP2C	Z	0	4
6	MP2C	Mx	.000527	4
7	MP4A	X	-7.724	1
8	MP4A	Z	0	1
9	MP4A	Mx	.004	1
10	MP4A	X	-7.724	5
11	MP4A	Z	0	5
12	MP4A	Mx	.004	5
13	MP4B	X	-12.792	1
14	MP4B	Z	0	1
15	MP4B	Mx	-.002	1
16	MP4B	X	-12.792	5
17	MP4B	Z	0	5
18	MP4B	Mx	-.002	5
19	MP4C	X	-12.792	1
20	MP4C	Z	0	1
21	MP4C	Mx	-.002	1
22	MP4C	X	-12.792	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP4C	Z	0	5
24	MP4C	Mx	-.002	5
25	MP2A	X	-20.598	1
26	MP2A	Z	0	1
27	MP2A	Mx	.015	1
28	MP2A	X	-20.598	5
29	MP2A	Z	0	5
30	MP2A	Mx	.015	5
31	MP2B	X	-26.472	1
32	MP2B	Z	0	1
33	MP2B	Mx	.01	1
34	MP2B	X	-26.472	5
35	MP2B	Z	0	5
36	MP2B	Mx	.01	5
37	MP2A	X	-20.598	1
38	MP2A	Z	0	1
39	MP2A	Mx	.015	1
40	MP2A	X	-20.598	5
41	MP2A	Z	0	5
42	MP2A	Mx	.015	5
43	MP2B	X	-26.472	1
44	MP2B	Z	0	1
45	MP2B	Mx	-.023	1
46	MP2B	X	-26.472	5
47	MP2B	Z	0	5
48	MP2B	Mx	-.023	5
49	MP2C	X	-27.049	1
50	MP2C	Z	0	1
51	MP2C	Mx	-.021	1
52	MP2C	X	-27.049	5
53	MP2C	Z	0	5
54	MP2C	Mx	-.021	5
55	MP2C	X	-27.049	1
56	MP2C	Z	0	1
57	MP2C	Mx	.014	1
58	MP2C	X	-27.049	5
59	MP2C	Z	0	5
60	MP2C	Mx	.014	5
61	MP1A	X	-5.696	2
62	MP1A	Z	0	2
63	MP1A	Mx	.004	2
64	MP1A	X	-5.696	4
65	MP1A	Z	0	4
66	MP1A	Mx	.004	4
67	MP1B	X	-12.52	2
68	MP1B	Z	0	2
69	MP1B	Mx	-.003	2
70	MP1B	X	-12.52	4
71	MP1B	Z	0	4
72	MP1B	Mx	-.003	4
73	MP1C	X	-13.191	2
74	MP1C	Z	0	2
75	MP1C	Mx	-.002	2
76	MP1C	X	-13.191	4
77	MP1C	Z	0	4
78	MP1C	Mx	-.002	4
79	MP3A	X	-8.239	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3A	Z	0	.5
81	MP3A	Mx	-.004	.5
82	MP3B	X	-8.239	.5
83	MP3B	Z	0	.5
84	MP3B	Mx	-.004	.5
85	MP3C	X	-8.239	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	-.004	.5
88	MP2A	X	-7.082	1.5
89	MP2A	Z	0	1.5
90	MP2A	Mx	-.003	1.5
91	MP2B	X	-7.082	1.5
92	MP2B	Z	0	1.5
93	MP2B	Mx	-.003	1.5
94	MP2C	X	-7.082	1.5
95	MP2C	Z	0	1.5
96	MP2C	Mx	-.003	1.5
97	OVP	X	-15.672	1
98	OVP	Z	0	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.839	4
2	MP2A	Z	-1.639	4
3	MP2A	Mx	-.001	4
4	MP2C	X	-3.969	4
5	MP2C	Z	-2.292	4
6	MP2C	Mx	.001	4
7	MP4A	X	-7.932	1
8	MP4A	Z	-4.579	1
9	MP4A	Mx	.004	1
10	MP4A	X	-7.932	5
11	MP4A	Z	-4.579	5
12	MP4A	Mx	.004	5
13	MP4B	X	-11.51	1
14	MP4B	Z	-6.645	1
15	MP4B	Mx	.001	1
16	MP4B	X	-11.51	5
17	MP4B	Z	-6.645	5
18	MP4B	Mx	.001	5
19	MP4C	X	-8.743	1
20	MP4C	Z	-5.048	1
21	MP4C	Mx	-.004	1
22	MP4C	X	-8.743	5
23	MP4C	Z	-5.048	5
24	MP4C	Mx	-.004	5
25	MP2A	X	-19.278	1
26	MP2A	Z	-11.13	1
27	MP2A	Mx	.007	1
28	MP2A	X	-19.278	5
29	MP2A	Z	-11.13	5
30	MP2A	Mx	.007	5
31	MP2B	X	-23.426	1
32	MP2B	Z	-13.525	1
33	MP2B	Mx	.021	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2B	X	-23.426	5
35	MP2B	Z	-13.525	5
36	MP2B	Mx	.021	5
37	MP2A	X	-19.278	1
38	MP2A	Z	-11.13	1
39	MP2A	Mx	.022	1
40	MP2A	X	-19.278	5
41	MP2A	Z	-11.13	5
42	MP2A	Mx	.022	5
43	MP2B	X	-23.426	1
44	MP2B	Z	-13.525	1
45	MP2B	Mx	-.014	1
46	MP2B	X	-23.426	5
47	MP2B	Z	-13.525	5
48	MP2B	Mx	-.014	5
49	MP2C	X	-21.219	1
50	MP2C	Z	-12.251	1
51	MP2C	Mx	-.024	1
52	MP2C	X	-21.219	5
53	MP2C	Z	-12.251	5
54	MP2C	Mx	-.024	5
55	MP2C	X	-21.219	1
56	MP2C	Z	-12.251	1
57	MP2C	Mx	.000701	1
58	MP2C	X	-21.219	5
59	MP2C	Z	-12.251	5
60	MP2C	Mx	.000701	5
61	MP1A	X	-6.606	2
62	MP1A	Z	-3.814	2
63	MP1A	Mx	.005	2
64	MP1A	X	-6.606	4
65	MP1A	Z	-3.814	4
66	MP1A	Mx	.005	4
67	MP1B	X	-11.424	2
68	MP1B	Z	-6.595	2
69	MP1B	Mx	.002	2
70	MP1B	X	-11.424	4
71	MP1B	Z	-6.595	4
72	MP1B	Mx	.002	4
73	MP1C	X	-8.86	2
74	MP1C	Z	-5.115	2
75	MP1C	Mx	-.005	2
76	MP1C	X	-8.86	4
77	MP1C	Z	-5.115	4
78	MP1C	Mx	-.005	4
79	MP3A	X	-6.876	.5
80	MP3A	Z	-3.97	.5
81	MP3A	Mx	-.004	.5
82	MP3B	X	-6.876	.5
83	MP3B	Z	-3.97	.5
84	MP3B	Mx	-.004	.5
85	MP3C	X	-6.876	.5
86	MP3C	Z	-3.97	.5
87	MP3C	Mx	-.004	.5
88	MP2A	X	-5.775	1.5
89	MP2A	Z	-3.334	1.5
90	MP2A	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP2B	X	-5.775	1.5
92	MP2B	Z	-3.334	1.5
93	MP2B	Mx	-.003	1.5
94	MP2C	X	-5.775	1.5
95	MP2C	Z	-3.334	1.5
96	MP2C	Mx	-.003	1.5
97	OVP	X	-13.053	1
98	OVP	Z	-7.536	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.608	4
2	MP2A	Z	-4.517	4
3	MP2A	Mx	-.001	4
4	MP2C	X	-1.381	4
5	MP2C	Z	-2.392	4
6	MP2C	Mx	.001	4
7	MP4A	X	-6.014	1
8	MP4A	Z	-10.417	1
9	MP4A	Mx	.003	1
10	MP4A	X	-6.014	5
11	MP4A	Z	-10.417	5
12	MP4A	Mx	.003	5
13	MP4B	X	-5.546	1
14	MP4B	Z	-9.606	1
15	MP4B	Mx	.004	1
16	MP4B	X	-5.546	5
17	MP4B	Z	-9.606	5
18	MP4B	Mx	.004	5
19	MP4C	X	-3.949	1
20	MP4C	Z	-6.839	1
21	MP4C	Mx	-.004	1
22	MP4C	X	-3.949	5
23	MP4C	Z	-6.839	5
24	MP4C	Mx	-.004	5
25	MP2A	X	-12.793	1
26	MP2A	Z	-22.159	1
27	MP2A	Mx	-.005	1
28	MP2A	X	-12.793	5
29	MP2A	Z	-22.159	5
30	MP2A	Mx	-.005	5
31	MP2B	X	-12.251	1
32	MP2B	Z	-21.219	1
33	MP2B	Mx	.024	1
34	MP2B	X	-12.251	5
35	MP2B	Z	-21.219	5
36	MP2B	Mx	.024	5
37	MP2A	X	-12.793	1
38	MP2A	Z	-22.159	1
39	MP2A	Mx	.024	1
40	MP2A	X	-12.793	5
41	MP2A	Z	-22.159	5
42	MP2A	Mx	.024	5
43	MP2B	X	-12.251	1
44	MP2B	Z	-21.219	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	-.000701	1
46	MP2B	X	-12.251	5
47	MP2B	Z	-21.219	5
48	MP2B	Mx	-.000701	5
49	MP2C	X	-10.688	1
50	MP2C	Z	-18.512	1
51	MP2C	Mx	-.02	1
52	MP2C	X	-10.688	5
53	MP2C	Z	-18.512	5
54	MP2C	Mx	-.02	5
55	MP2C	X	-10.688	1
56	MP2C	Z	-18.512	1
57	MP2C	Mx	-.01	1
58	MP2C	X	-10.688	5
59	MP2C	Z	-18.512	5
60	MP2C	Mx	-.01	5
61	MP1A	X	-5.746	2
62	MP1A	Z	-9.952	2
63	MP1A	Mx	.004	2
64	MP1A	X	-5.746	4
65	MP1A	Z	-9.952	4
66	MP1A	Mx	.004	4
67	MP1B	X	-5.115	2
68	MP1B	Z	-8.86	2
69	MP1B	Mx	.005	2
70	MP1B	X	-5.115	4
71	MP1B	Z	-8.86	4
72	MP1B	Mx	.005	4
73	MP1C	X	-3.3	2
74	MP1C	Z	-5.716	2
75	MP1C	Mx	-.005	2
76	MP1C	X	-3.3	4
77	MP1C	Z	-5.716	4
78	MP1C	Mx	-.005	4
79	MP3A	X	-4.63	.5
80	MP3A	Z	-8.02	.5
81	MP3A	Mx	-.004	.5
82	MP3B	X	-4.63	.5
83	MP3B	Z	-8.02	.5
84	MP3B	Mx	-.004	.5
85	MP3C	X	-4.63	.5
86	MP3C	Z	-8.02	.5
87	MP3C	Mx	-.004	.5
88	MP2A	X	-4.246	1.5
89	MP2A	Z	-7.354	1.5
90	MP2A	Mx	-.003	1.5
91	MP2B	X	-4.246	1.5
92	MP2B	Z	-7.354	1.5
93	MP2B	Mx	-.003	1.5
94	MP2C	X	-4.246	1.5
95	MP2C	Z	-7.354	1.5
96	MP2C	Mx	-.003	1.5
97	OVP	X	-8.859	1
98	OVP	Z	-15.344	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	4
2	MP2A	Z	-1.757	4
3	MP2A	Mx	0	4
4	MP2C	X	0	4
5	MP2C	Z	-.57	4
6	MP2C	Mx	.000281	4
7	MP4A	X	0	1
8	MP4A	Z	-4.319	1
9	MP4A	Mx	0	1
10	MP4A	X	0	5
11	MP4A	Z	-4.319	5
12	MP4A	Mx	0	5
13	MP4B	X	0	1
14	MP4B	Z	-2.539	1
15	MP4B	Mx	.001	1
16	MP4B	X	0	5
17	MP4B	Z	-2.539	5
18	MP4B	Mx	.001	5
19	MP4C	X	0	1
20	MP4C	Z	-2.539	1
21	MP4C	Mx	-.001	1
22	MP4C	X	0	5
23	MP4C	Z	-2.539	5
24	MP4C	Mx	-.001	5
25	MP2A	X	0	1
26	MP2A	Z	-4.328	1
27	MP2A	Mx	-.003	1
28	MP2A	X	0	5
29	MP2A	Z	-4.328	5
30	MP2A	Mx	-.003	5
31	MP2B	X	0	1
32	MP2B	Z	-3.367	1
33	MP2B	Mx	.003	1
34	MP2B	X	0	5
35	MP2B	Z	-3.367	5
36	MP2B	Mx	.003	5
37	MP2A	X	0	1
38	MP2A	Z	-4.328	1
39	MP2A	Mx	.003	1
40	MP2A	X	0	5
41	MP2A	Z	-4.328	5
42	MP2A	Mx	.003	5
43	MP2B	X	0	1
44	MP2B	Z	-3.367	1
45	MP2B	Mx	.002	1
46	MP2B	X	0	5
47	MP2B	Z	-3.367	5
48	MP2B	Mx	.002	5
49	MP2C	X	0	1
50	MP2C	Z	-3.272	1
51	MP2C	Mx	-.002	1
52	MP2C	X	0	5
53	MP2C	Z	-3.272	5
54	MP2C	Mx	-.002	5
55	MP2C	X	0	1
56	MP2C	Z	-3.272	1
57	MP2C	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2C	X	0	5
59	MP2C	Z	-3.272	5
60	MP2C	Mx	-.003	5
61	MP1A	X	0	2
62	MP1A	Z	-3.587	2
63	MP1A	Mx	0	2
64	MP1A	X	0	4
65	MP1A	Z	-3.587	4
66	MP1A	Mx	0	4
67	MP1B	X	0	2
68	MP1B	Z	-1.51	2
69	MP1B	Mx	.001	2
70	MP1B	X	0	4
71	MP1B	Z	-1.51	4
72	MP1B	Mx	.001	4
73	MP1C	X	0	2
74	MP1C	Z	-1.306	2
75	MP1C	Mx	-.000965	2
76	MP1C	X	0	4
77	MP1C	Z	-1.306	4
78	MP1C	Mx	-.000965	4
79	MP3A	X	0	.5
80	MP3A	Z	-2.727	.5
81	MP3A	Mx	-.000466	.5
82	MP3B	X	0	.5
83	MP3B	Z	-2.727	.5
84	MP3B	Mx	-.000466	.5
85	MP3C	X	0	.5
86	MP3C	Z	-2.727	.5
87	MP3C	Mx	-.000466	.5
88	MP2A	X	0	1.5
89	MP2A	Z	-2.687	1.5
90	MP2A	Mx	-.00046	1.5
91	MP2B	X	0	1.5
92	MP2B	Z	-2.687	1.5
93	MP2B	Mx	-.00046	1.5
94	MP2C	X	0	1.5
95	MP2C	Z	-2.687	1.5
96	MP2C	Mx	-.00046	1.5
97	OVP	X	0	1
98	OVP	Z	-5.639	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.725	4
2	MP2A	Z	-1.256	4
3	MP2A	Mx	.000362	4
4	MP2C	X	.519	4
5	MP2C	Z	-.899	4
6	MP2C	Mx	.000398	4
7	MP4A	X	1.907	1
8	MP4A	Z	-3.304	1
9	MP4A	Mx	-.000954	1
10	MP4A	X	1.907	5
11	MP4A	Z	-3.304	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4A	Mx	-.000954	5
13	MP4B	X	1.182	1
14	MP4B	Z	-2.047	1
15	MP4B	Mx	.001	1
16	MP4B	X	1.182	5
17	MP4B	Z	-2.047	5
18	MP4B	Mx	.001	5
19	MP4C	X	1.743	1
20	MP4C	Z	-3.019	1
21	MP4C	Mx	-.001	1
22	MP4C	X	1.743	5
23	MP4C	Z	-3.019	5
24	MP4C	Mx	-.001	5
25	MP2A	X	2.028	1
26	MP2A	Z	-3.512	1
27	MP2A	Mx	-.004	1
28	MP2A	X	2.028	5
29	MP2A	Z	-3.512	5
30	MP2A	Mx	-.004	5
31	MP2B	X	1.636	1
32	MP2B	Z	-2.834	1
33	MP2B	Mx	.002	1
34	MP2B	X	1.636	5
35	MP2B	Z	-2.834	5
36	MP2B	Mx	.002	5
37	MP2A	X	2.028	1
38	MP2A	Z	-3.512	1
39	MP2A	Mx	.00082	1
40	MP2A	X	2.028	5
41	MP2A	Z	-3.512	5
42	MP2A	Mx	.00082	5
43	MP2B	X	1.636	1
44	MP2B	Z	-2.834	1
45	MP2B	Mx	.003	1
46	MP2B	X	1.636	5
47	MP2B	Z	-2.834	5
48	MP2B	Mx	.003	5
49	MP2C	X	1.845	1
50	MP2C	Z	-3.195	1
51	MP2C	Mx	-.000538	1
52	MP2C	X	1.845	5
53	MP2C	Z	-3.195	5
54	MP2C	Mx	-.000538	5
55	MP2C	X	1.845	1
56	MP2C	Z	-3.195	1
57	MP2C	Mx	-.004	1
58	MP2C	X	1.845	5
59	MP2C	Z	-3.195	5
60	MP2C	Mx	-.004	5
61	MP1A	X	1.5	2
62	MP1A	Z	-2.597	2
63	MP1A	Mx	-.001	2
64	MP1A	X	1.5	4
65	MP1A	Z	-2.597	4
66	MP1A	Mx	-.001	4
67	MP1B	X	.653	2
68	MP1B	Z	-1.131	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP1B	Mx	.000965	2
70	MP1B	X	.653	4
71	MP1B	Z	-1.131	4
72	MP1B	Mx	.000965	4
73	MP1C	X	1.103	2
74	MP1C	Z	-1.911	2
75	MP1C	Mx	-.001	2
76	MP1C	X	1.103	4
77	MP1C	Z	-1.911	4
78	MP1C	Mx	-.001	4
79	MP3A	X	1.404	.5
80	MP3A	Z	-2.432	.5
81	MP3A	Mx	.000244	.5
82	MP3B	X	1.404	.5
83	MP3B	Z	-2.432	.5
84	MP3B	Mx	.000244	.5
85	MP3C	X	1.404	.5
86	MP3C	Z	-2.432	.5
87	MP3C	Mx	.000244	.5
88	MP2A	X	1.399	1.5
89	MP2A	Z	-2.423	1.5
90	MP2A	Mx	.000243	1.5
91	MP2B	X	1.399	1.5
92	MP2B	Z	-2.423	1.5
93	MP2B	Mx	.000243	1.5
94	MP2C	X	1.399	1.5
95	MP2C	Z	-2.423	1.5
96	MP2C	Mx	.000243	1.5
97	OVP	X	2.88	1
98	OVP	Z	-4.988	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.726	4
2	MP2A	Z	-.419	4
3	MP2A	Mx	.000363	4
4	MP2C	X	1.397	4
5	MP2C	Z	-.807	4
6	MP2C	Mx	.000276	4
7	MP4A	X	2.431	1
8	MP4A	Z	-1.404	1
9	MP4A	Mx	-.001	1
10	MP4A	X	2.431	5
11	MP4A	Z	-1.404	5
12	MP4A	Mx	-.001	5
13	MP4B	X	2.716	1
14	MP4B	Z	-1.568	1
15	MP4B	Mx	.001	1
16	MP4B	X	2.716	5
17	MP4B	Z	-1.568	5
18	MP4B	Mx	.001	5
19	MP4C	X	3.688	1
20	MP4C	Z	-2.129	1
21	MP4C	Mx	-.00037	1
22	MP4C	X	3.688	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP4C	Z	-2.129	5
24	MP4C	Mx	-.00037	5
25	MP2A	X	3.041	1
26	MP2A	Z	-1.756	1
27	MP2A	Mx	-.003	1
28	MP2A	X	3.041	5
29	MP2A	Z	-1.756	5
30	MP2A	Mx	-.003	5
31	MP2B	X	3.195	1
32	MP2B	Z	-1.845	1
33	MP2B	Mx	.000539	1
34	MP2B	X	3.195	5
35	MP2B	Z	-1.845	5
36	MP2B	Mx	.000539	5
37	MP2A	X	3.041	1
38	MP2A	Z	-1.756	1
39	MP2A	Mx	-.001	1
40	MP2A	X	3.041	5
41	MP2A	Z	-1.756	5
42	MP2A	Mx	-.001	5
43	MP2B	X	3.195	1
44	MP2B	Z	-1.845	1
45	MP2B	Mx	.004	1
46	MP2B	X	3.195	5
47	MP2B	Z	-1.845	5
48	MP2B	Mx	.004	5
49	MP2C	X	3.638	1
50	MP2C	Z	-2.1	1
51	MP2C	Mx	.002	1
52	MP2C	X	3.638	5
53	MP2C	Z	-2.1	5
54	MP2C	Mx	.002	5
55	MP2C	X	3.638	1
56	MP2C	Z	-2.1	1
57	MP2C	Mx	-.004	1
58	MP2C	X	3.638	5
59	MP2C	Z	-2.1	5
60	MP2C	Mx	-.004	5
61	MP1A	X	1.579	2
62	MP1A	Z	-.912	2
63	MP1A	Mx	-.001	2
64	MP1A	X	1.579	4
65	MP1A	Z	-.912	4
66	MP1A	Mx	-.001	4
67	MP1B	X	1.911	2
68	MP1B	Z	-1.103	2
69	MP1B	Mx	.001	2
70	MP1B	X	1.911	4
71	MP1B	Z	-1.103	4
72	MP1B	Mx	.001	4
73	MP1C	X	2.868	2
74	MP1C	Z	-1.656	2
75	MP1C	Mx	-.00085	2
76	MP1C	X	2.868	4
77	MP1C	Z	-1.656	4
78	MP1C	Mx	-.00085	4
79	MP3A	X	2.123	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3A	Z	-1.225	.5
81	MP3A	Mx	.000788	.5
82	MP3B	X	2.123	.5
83	MP3B	Z	-1.225	.5
84	MP3B	Mx	.000788	.5
85	MP3C	X	2.123	.5
86	MP3C	Z	-1.225	.5
87	MP3C	Mx	.000788	.5
88	MP2A	X	1.998	1.5
89	MP2A	Z	-1.154	1.5
90	MP2A	Mx	.000741	1.5
91	MP2B	X	1.998	1.5
92	MP2B	Z	-1.154	1.5
93	MP2B	Mx	.000741	1.5
94	MP2C	X	1.998	1.5
95	MP2C	Z	-1.154	1.5
96	MP2C	Mx	.000741	1.5
97	OVP	X	4.526	1
98	OVP	Z	-2.613	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.533	4
2	MP2A	Z	0	4
3	MP2A	Mx	.000266	4
4	MP2C	X	1.72	4
5	MP2C	Z	0	4
6	MP2C	Mx	-.000149	4
7	MP4A	X	2.303	1
8	MP4A	Z	0	1
9	MP4A	Mx	-.001	1
10	MP4A	X	2.303	5
11	MP4A	Z	0	5
12	MP4A	Mx	-.001	5
13	MP4B	X	4.083	1
14	MP4B	Z	0	1
15	MP4B	Mx	.000698	1
16	MP4B	X	4.083	5
17	MP4B	Z	0	5
18	MP4B	Mx	.000698	5
19	MP4C	X	4.083	1
20	MP4C	Z	0	1
21	MP4C	Mx	.000698	1
22	MP4C	X	4.083	5
23	MP4C	Z	0	5
24	MP4C	Mx	.000698	5
25	MP2A	X	3.239	1
26	MP2A	Z	0	1
27	MP2A	Mx	-.002	1
28	MP2A	X	3.239	5
29	MP2A	Z	0	5
30	MP2A	Mx	-.002	5
31	MP2B	X	4.201	1
32	MP2B	Z	0	1
33	MP2B	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2B	X	4.201	5
35	MP2B	Z	0	5
36	MP2B	Mx	-.002	5
37	MP2A	X	3.239	1
38	MP2A	Z	0	1
39	MP2A	Mx	-.002	1
40	MP2A	X	3.239	5
41	MP2A	Z	0	5
42	MP2A	Mx	-.002	5
43	MP2B	X	4.201	1
44	MP2B	Z	0	1
45	MP2B	Mx	.004	1
46	MP2B	X	4.201	5
47	MP2B	Z	0	5
48	MP2B	Mx	.004	5
49	MP2C	X	4.295	1
50	MP2C	Z	0	1
51	MP2C	Mx	.003	1
52	MP2C	X	4.295	5
53	MP2C	Z	0	5
54	MP2C	Mx	.003	5
55	MP2C	X	4.295	1
56	MP2C	Z	0	1
57	MP2C	Mx	-.002	1
58	MP2C	X	4.295	5
59	MP2C	Z	0	5
60	MP2C	Mx	-.002	5
61	MP1A	X	1.235	2
62	MP1A	Z	0	2
63	MP1A	Mx	-.000926	2
64	MP1A	X	1.235	4
65	MP1A	Z	0	4
66	MP1A	Mx	-.000926	4
67	MP1B	X	3.312	2
68	MP1B	Z	0	2
69	MP1B	Mx	.00085	2
70	MP1B	X	3.312	4
71	MP1B	Z	0	4
72	MP1B	Mx	.00085	4
73	MP1C	X	3.516	2
74	MP1C	Z	0	2
75	MP1C	Mx	.000458	2
76	MP1C	X	3.516	4
77	MP1C	Z	0	4
78	MP1C	Mx	.000458	4
79	MP3A	X	2.012	.5
80	MP3A	Z	0	.5
81	MP3A	Mx	.000945	.5
82	MP3B	X	2.012	.5
83	MP3B	Z	0	.5
84	MP3B	Mx	.000945	.5
85	MP3C	X	2.012	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	.000945	.5
88	MP2A	X	1.705	1.5
89	MP2A	Z	0	1.5
90	MP2A	Mx	.000801	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP2B	X	1.705	1.5
92	MP2B	Z	0	1.5
93	MP2B	Mx	.000801	1.5
94	MP2C	X	1.705	1.5
95	MP2C	Z	0	1.5
96	MP2C	Mx	.000801	1.5
97	OVP	X	4.573	1
98	OVP	Z	0	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.726	4
2	MP2A	Z	.419	4
3	MP2A	Mx	.000363	4
4	MP2C	X	1.084	4
5	MP2C	Z	.626	4
6	MP2C	Mx	-.000402	4
7	MP4A	X	2.431	1
8	MP4A	Z	1.404	1
9	MP4A	Mx	-.001	1
10	MP4A	X	2.431	5
11	MP4A	Z	1.404	5
12	MP4A	Mx	-.001	5
13	MP4B	X	3.688	1
14	MP4B	Z	2.129	1
15	MP4B	Mx	-.00037	1
16	MP4B	X	3.688	5
17	MP4B	Z	2.129	5
18	MP4B	Mx	-.00037	5
19	MP4C	X	2.716	1
20	MP4C	Z	1.568	1
21	MP4C	Mx	.001	1
22	MP4C	X	2.716	5
23	MP4C	Z	1.568	5
24	MP4C	Mx	.001	5
25	MP2A	X	3.041	1
26	MP2A	Z	1.756	1
27	MP2A	Mx	-.001	1
28	MP2A	X	3.041	5
29	MP2A	Z	1.756	5
30	MP2A	Mx	-.001	5
31	MP2B	X	3.72	1
32	MP2B	Z	2.148	1
33	MP2B	Mx	-.003	1
34	MP2B	X	3.72	5
35	MP2B	Z	2.148	5
36	MP2B	Mx	-.003	5
37	MP2A	X	3.041	1
38	MP2A	Z	1.756	1
39	MP2A	Mx	-.003	1
40	MP2A	X	3.041	5
41	MP2A	Z	1.756	5
42	MP2A	Mx	-.003	5
43	MP2B	X	3.72	1
44	MP2B	Z	2.148	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	.002	1
46	MP2B	X	3.72	5
47	MP2B	Z	2.148	5
48	MP2B	Mx	.002	5
49	MP2C	X	3.359	1
50	MP2C	Z	1.939	1
51	MP2C	Mx	.004	1
52	MP2C	X	3.359	5
53	MP2C	Z	1.939	5
54	MP2C	Mx	.004	5
55	MP2C	X	3.359	1
56	MP2C	Z	1.939	1
57	MP2C	Mx	-.000111	1
58	MP2C	X	3.359	5
59	MP2C	Z	1.939	5
60	MP2C	Mx	-.000111	5
61	MP1A	X	1.579	2
62	MP1A	Z	.912	2
63	MP1A	Mx	-.001	2
64	MP1A	X	1.579	4
65	MP1A	Z	.912	4
66	MP1A	Mx	-.001	4
67	MP1B	X	3.045	2
68	MP1B	Z	1.758	2
69	MP1B	Mx	-.000458	2
70	MP1B	X	3.045	4
71	MP1B	Z	1.758	4
72	MP1B	Mx	-.000458	4
73	MP1C	X	2.265	2
74	MP1C	Z	1.308	2
75	MP1C	Mx	.001	2
76	MP1C	X	2.265	4
77	MP1C	Z	1.308	4
78	MP1C	Mx	.001	4
79	MP3A	X	1.673	.5
80	MP3A	Z	.966	.5
81	MP3A	Mx	.000951	.5
82	MP3B	X	1.673	.5
83	MP3B	Z	.966	.5
84	MP3B	Mx	.000951	.5
85	MP3C	X	1.673	.5
86	MP3C	Z	.966	.5
87	MP3C	Mx	.000951	.5
88	MP2A	X	1.381	1.5
89	MP2A	Z	.797	1.5
90	MP2A	Mx	.000785	1.5
91	MP2B	X	1.381	1.5
92	MP2B	Z	.797	1.5
93	MP2B	Mx	.000785	1.5
94	MP2C	X	1.381	1.5
95	MP2C	Z	.797	1.5
96	MP2C	Mx	.000785	1.5
97	OVP	X	3.856	1
98	OVP	Z	2.226	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.725	4
2	MP2A	Z	1.256	4
3	MP2A	Mx	.000362	4
4	MP2C	X	.338	4
5	MP2C	Z	.585	4
6	MP2C	Mx	-.000317	4
7	MP4A	X	1.907	1
8	MP4A	Z	3.304	1
9	MP4A	Mx	-.000954	1
10	MP4A	X	1.907	5
11	MP4A	Z	3.304	5
12	MP4A	Mx	-.000954	5
13	MP4B	X	1.743	1
14	MP4B	Z	3.019	1
15	MP4B	Mx	-.001	1
16	MP4B	X	1.743	5
17	MP4B	Z	3.019	5
18	MP4B	Mx	-.001	5
19	MP4C	X	1.182	1
20	MP4C	Z	2.047	1
21	MP4C	Mx	.001	1
22	MP4C	X	1.182	5
23	MP4C	Z	2.047	5
24	MP4C	Mx	.001	5
25	MP2A	X	2.028	1
26	MP2A	Z	3.512	1
27	MP2A	Mx	.00082	1
28	MP2A	X	2.028	5
29	MP2A	Z	3.512	5
30	MP2A	Mx	.00082	5
31	MP2B	X	1.939	1
32	MP2B	Z	3.359	1
33	MP2B	Mx	-.004	1
34	MP2B	X	1.939	5
35	MP2B	Z	3.359	5
36	MP2B	Mx	-.004	5
37	MP2A	X	2.028	1
38	MP2A	Z	3.512	1
39	MP2A	Mx	-.004	1
40	MP2A	X	2.028	5
41	MP2A	Z	3.512	5
42	MP2A	Mx	-.004	5
43	MP2B	X	1.939	1
44	MP2B	Z	3.359	1
45	MP2B	Mx	.000111	1
46	MP2B	X	1.939	5
47	MP2B	Z	3.359	5
48	MP2B	Mx	.000111	5
49	MP2C	X	1.683	1
50	MP2C	Z	2.916	1
51	MP2C	Mx	.003	1
52	MP2C	X	1.683	5
53	MP2C	Z	2.916	5
54	MP2C	Mx	.003	5
55	MP2C	X	1.683	1
56	MP2C	Z	2.916	1
57	MP2C	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2C	X	1.683	5
59	MP2C	Z	2.916	5
60	MP2C	Mx	.002	5
61	MP1A	X	1.5	2
62	MP1A	Z	2.597	2
63	MP1A	Mx	-.001	2
64	MP1A	X	1.5	4
65	MP1A	Z	2.597	4
66	MP1A	Mx	-.001	4
67	MP1B	X	1.308	2
68	MP1B	Z	2.265	2
69	MP1B	Mx	-.001	2
70	MP1B	X	1.308	4
71	MP1B	Z	2.265	4
72	MP1B	Mx	-.001	4
73	MP1C	X	.755	2
74	MP1C	Z	1.308	2
75	MP1C	Mx	.001	2
76	MP1C	X	.755	4
77	MP1C	Z	1.308	4
78	MP1C	Mx	.001	4
79	MP3A	X	1.144	.5
80	MP3A	Z	1.982	.5
81	MP3A	Mx	.000876	.5
82	MP3B	X	1.144	.5
83	MP3B	Z	1.982	.5
84	MP3B	Mx	.000876	.5
85	MP3C	X	1.144	.5
86	MP3C	Z	1.982	.5
87	MP3C	Mx	.000876	.5
88	MP2A	X	1.042	1.5
89	MP2A	Z	1.806	1.5
90	MP2A	Mx	.000798	1.5
91	MP2B	X	1.042	1.5
92	MP2B	Z	1.806	1.5
93	MP2B	Mx	.000798	1.5
94	MP2C	X	1.042	1.5
95	MP2C	Z	1.806	1.5
96	MP2C	Mx	.000798	1.5
97	OVP	X	2.493	1
98	OVP	Z	4.317	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	4
2	MP2A	Z	1.757	4
3	MP2A	Mx	0	4
4	MP2C	X	0	4
5	MP2C	Z	.57	4
6	MP2C	Mx	-.000281	4
7	MP4A	X	0	1
8	MP4A	Z	4.319	1
9	MP4A	Mx	0	1
10	MP4A	X	0	5
11	MP4A	Z	4.319	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4A	Mx	0	5
13	MP4B	X	0	1
14	MP4B	Z	2.539	1
15	MP4B	Mx	-.001	1
16	MP4B	X	0	5
17	MP4B	Z	2.539	5
18	MP4B	Mx	-.001	5
19	MP4C	X	0	1
20	MP4C	Z	2.539	1
21	MP4C	Mx	.001	1
22	MP4C	X	0	5
23	MP4C	Z	2.539	5
24	MP4C	Mx	.001	5
25	MP2A	X	0	1
26	MP2A	Z	4.328	1
27	MP2A	Mx	.003	1
28	MP2A	X	0	5
29	MP2A	Z	4.328	5
30	MP2A	Mx	.003	5
31	MP2B	X	0	1
32	MP2B	Z	3.367	1
33	MP2B	Mx	-.003	1
34	MP2B	X	0	5
35	MP2B	Z	3.367	5
36	MP2B	Mx	-.003	5
37	MP2A	X	0	1
38	MP2A	Z	4.328	1
39	MP2A	Mx	-.003	1
40	MP2A	X	0	5
41	MP2A	Z	4.328	5
42	MP2A	Mx	-.003	5
43	MP2B	X	0	1
44	MP2B	Z	3.367	1
45	MP2B	Mx	-.002	1
46	MP2B	X	0	5
47	MP2B	Z	3.367	5
48	MP2B	Mx	-.002	5
49	MP2C	X	0	1
50	MP2C	Z	3.272	1
51	MP2C	Mx	.002	1
52	MP2C	X	0	5
53	MP2C	Z	3.272	5
54	MP2C	Mx	.002	5
55	MP2C	X	0	1
56	MP2C	Z	3.272	1
57	MP2C	Mx	.003	1
58	MP2C	X	0	5
59	MP2C	Z	3.272	5
60	MP2C	Mx	.003	5
61	MP1A	X	0	2
62	MP1A	Z	3.587	2
63	MP1A	Mx	0	2
64	MP1A	X	0	4
65	MP1A	Z	3.587	4
66	MP1A	Mx	0	4
67	MP1B	X	0	2
68	MP1B	Z	1.51	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP1B	Mx	-.001	2
70	MP1B	X	0	4
71	MP1B	Z	1.51	4
72	MP1B	Mx	-.001	4
73	MP1C	X	0	2
74	MP1C	Z	1.306	2
75	MP1C	Mx	.000965	2
76	MP1C	X	0	4
77	MP1C	Z	1.306	4
78	MP1C	Mx	.000965	4
79	MP3A	X	0	.5
80	MP3A	Z	2.727	.5
81	MP3A	Mx	.000466	.5
82	MP3B	X	0	.5
83	MP3B	Z	2.727	.5
84	MP3B	Mx	.000466	.5
85	MP3C	X	0	.5
86	MP3C	Z	2.727	.5
87	MP3C	Mx	.000466	.5
88	MP2A	X	0	1.5
89	MP2A	Z	2.687	1.5
90	MP2A	Mx	.00046	1.5
91	MP2B	X	0	1.5
92	MP2B	Z	2.687	1.5
93	MP2B	Mx	.00046	1.5
94	MP2C	X	0	1.5
95	MP2C	Z	2.687	1.5
96	MP2C	Mx	.00046	1.5
97	OVP	X	0	1
98	OVP	Z	5.639	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.725	4
2	MP2A	Z	1.256	4
3	MP2A	Mx	-.000362	4
4	MP2C	X	-.519	4
5	MP2C	Z	.899	4
6	MP2C	Mx	-.000398	4
7	MP4A	X	-1.907	1
8	MP4A	Z	3.304	1
9	MP4A	Mx	.000954	1
10	MP4A	X	-1.907	5
11	MP4A	Z	3.304	5
12	MP4A	Mx	.000954	5
13	MP4B	X	-1.182	1
14	MP4B	Z	2.047	1
15	MP4B	Mx	-.001	1
16	MP4B	X	-1.182	5
17	MP4B	Z	2.047	5
18	MP4B	Mx	-.001	5
19	MP4C	X	-1.743	1
20	MP4C	Z	3.019	1
21	MP4C	Mx	.001	1
22	MP4C	X	-1.743	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP4C	Z	3.019	5
24	MP4C	Mx	.001	5
25	MP2A	X	-2.028	1
26	MP2A	Z	3.512	1
27	MP2A	Mx	.004	1
28	MP2A	X	-2.028	5
29	MP2A	Z	3.512	5
30	MP2A	Mx	.004	5
31	MP2B	X	-1.636	1
32	MP2B	Z	2.834	1
33	MP2B	Mx	-.002	1
34	MP2B	X	-1.636	5
35	MP2B	Z	2.834	5
36	MP2B	Mx	-.002	5
37	MP2A	X	-2.028	1
38	MP2A	Z	3.512	1
39	MP2A	Mx	-.00082	1
40	MP2A	X	-2.028	5
41	MP2A	Z	3.512	5
42	MP2A	Mx	-.00082	5
43	MP2B	X	-1.636	1
44	MP2B	Z	2.834	1
45	MP2B	Mx	-.003	1
46	MP2B	X	-1.636	5
47	MP2B	Z	2.834	5
48	MP2B	Mx	-.003	5
49	MP2C	X	-1.845	1
50	MP2C	Z	3.195	1
51	MP2C	Mx	.000538	1
52	MP2C	X	-1.845	5
53	MP2C	Z	3.195	5
54	MP2C	Mx	.000538	5
55	MP2C	X	-1.845	1
56	MP2C	Z	3.195	1
57	MP2C	Mx	.004	1
58	MP2C	X	-1.845	5
59	MP2C	Z	3.195	5
60	MP2C	Mx	.004	5
61	MP1A	X	-1.5	2
62	MP1A	Z	2.597	2
63	MP1A	Mx	.001	2
64	MP1A	X	-1.5	4
65	MP1A	Z	2.597	4
66	MP1A	Mx	.001	4
67	MP1B	X	-.653	2
68	MP1B	Z	1.131	2
69	MP1B	Mx	-.000965	2
70	MP1B	X	-.653	4
71	MP1B	Z	1.131	4
72	MP1B	Mx	-.000965	4
73	MP1C	X	-1.103	2
74	MP1C	Z	1.911	2
75	MP1C	Mx	.001	2
76	MP1C	X	-1.103	4
77	MP1C	Z	1.911	4
78	MP1C	Mx	.001	4
79	MP3A	X	-1.404	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3A	Z	2.432	.5
81	MP3A	Mx	-.000244	.5
82	MP3B	X	-1.404	.5
83	MP3B	Z	2.432	.5
84	MP3B	Mx	-.000244	.5
85	MP3C	X	-1.404	.5
86	MP3C	Z	2.432	.5
87	MP3C	Mx	-.000244	.5
88	MP2A	X	-1.399	1.5
89	MP2A	Z	2.423	1.5
90	MP2A	Mx	-.000243	1.5
91	MP2B	X	-1.399	1.5
92	MP2B	Z	2.423	1.5
93	MP2B	Mx	-.000243	1.5
94	MP2C	X	-1.399	1.5
95	MP2C	Z	2.423	1.5
96	MP2C	Mx	-.000243	1.5
97	OVP	X	-2.88	1
98	OVP	Z	4.988	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.726	4
2	MP2A	Z	.419	4
3	MP2A	Mx	-.000363	4
4	MP2C	X	-1.397	4
5	MP2C	Z	.807	4
6	MP2C	Mx	-.000276	4
7	MP4A	X	-2.431	1
8	MP4A	Z	1.404	1
9	MP4A	Mx	.001	1
10	MP4A	X	-2.431	5
11	MP4A	Z	1.404	5
12	MP4A	Mx	.001	5
13	MP4B	X	-2.716	1
14	MP4B	Z	1.568	1
15	MP4B	Mx	-.001	1
16	MP4B	X	-2.716	5
17	MP4B	Z	1.568	5
18	MP4B	Mx	-.001	5
19	MP4C	X	-3.688	1
20	MP4C	Z	2.129	1
21	MP4C	Mx	.00037	1
22	MP4C	X	-3.688	5
23	MP4C	Z	2.129	5
24	MP4C	Mx	.00037	5
25	MP2A	X	-3.041	1
26	MP2A	Z	1.756	1
27	MP2A	Mx	.003	1
28	MP2A	X	-3.041	5
29	MP2A	Z	1.756	5
30	MP2A	Mx	.003	5
31	MP2B	X	-3.195	1
32	MP2B	Z	1.845	1
33	MP2B	Mx	-.000539	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2B	X	-3.195	5
35	MP2B	Z	1.845	5
36	MP2B	Mx	-.000539	5
37	MP2A	X	-3.041	1
38	MP2A	Z	1.756	1
39	MP2A	Mx	.001	1
40	MP2A	X	-3.041	5
41	MP2A	Z	1.756	5
42	MP2A	Mx	.001	5
43	MP2B	X	-3.195	1
44	MP2B	Z	1.845	1
45	MP2B	Mx	-.004	1
46	MP2B	X	-3.195	5
47	MP2B	Z	1.845	5
48	MP2B	Mx	-.004	5
49	MP2C	X	-3.638	1
50	MP2C	Z	2.1	1
51	MP2C	Mx	-.002	1
52	MP2C	X	-3.638	5
53	MP2C	Z	2.1	5
54	MP2C	Mx	-.002	5
55	MP2C	X	-3.638	1
56	MP2C	Z	2.1	1
57	MP2C	Mx	.004	1
58	MP2C	X	-3.638	5
59	MP2C	Z	2.1	5
60	MP2C	Mx	.004	5
61	MP1A	X	-1.579	2
62	MP1A	Z	.912	2
63	MP1A	Mx	.001	2
64	MP1A	X	-1.579	4
65	MP1A	Z	.912	4
66	MP1A	Mx	.001	4
67	MP1B	X	-1.911	2
68	MP1B	Z	1.103	2
69	MP1B	Mx	-.001	2
70	MP1B	X	-1.911	4
71	MP1B	Z	1.103	4
72	MP1B	Mx	-.001	4
73	MP1C	X	-2.868	2
74	MP1C	Z	1.656	2
75	MP1C	Mx	.00085	2
76	MP1C	X	-2.868	4
77	MP1C	Z	1.656	4
78	MP1C	Mx	.00085	4
79	MP3A	X	-2.123	.5
80	MP3A	Z	1.225	.5
81	MP3A	Mx	-.000788	.5
82	MP3B	X	-2.123	.5
83	MP3B	Z	1.225	.5
84	MP3B	Mx	-.000788	.5
85	MP3C	X	-2.123	.5
86	MP3C	Z	1.225	.5
87	MP3C	Mx	-.000788	.5
88	MP2A	X	-1.998	1.5
89	MP2A	Z	1.154	1.5
90	MP2A	Mx	-.000741	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP2B	X	-1.998	1.5
92	MP2B	Z	1.154	1.5
93	MP2B	Mx	-.000741	1.5
94	MP2C	X	-1.998	1.5
95	MP2C	Z	1.154	1.5
96	MP2C	Mx	-.000741	1.5
97	OVP	X	-4.526	1
98	OVP	Z	2.613	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.533	4
2	MP2A	Z	0	4
3	MP2A	Mx	-.000266	4
4	MP2C	X	-1.72	4
5	MP2C	Z	0	4
6	MP2C	Mx	.000149	4
7	MP4A	X	-2.303	1
8	MP4A	Z	0	1
9	MP4A	Mx	.001	1
10	MP4A	X	-2.303	5
11	MP4A	Z	0	5
12	MP4A	Mx	.001	5
13	MP4B	X	-4.083	1
14	MP4B	Z	0	1
15	MP4B	Mx	-.000698	1
16	MP4B	X	-4.083	5
17	MP4B	Z	0	5
18	MP4B	Mx	-.000698	5
19	MP4C	X	-4.083	1
20	MP4C	Z	0	1
21	MP4C	Mx	-.000698	1
22	MP4C	X	-4.083	5
23	MP4C	Z	0	5
24	MP4C	Mx	-.000698	5
25	MP2A	X	-3.239	1
26	MP2A	Z	0	1
27	MP2A	Mx	.002	1
28	MP2A	X	-3.239	5
29	MP2A	Z	0	5
30	MP2A	Mx	.002	5
31	MP2B	X	-4.201	1
32	MP2B	Z	0	1
33	MP2B	Mx	.002	1
34	MP2B	X	-4.201	5
35	MP2B	Z	0	5
36	MP2B	Mx	.002	5
37	MP2A	X	-3.239	1
38	MP2A	Z	0	1
39	MP2A	Mx	.002	1
40	MP2A	X	-3.239	5
41	MP2A	Z	0	5
42	MP2A	Mx	.002	5
43	MP2B	X	-4.201	1
44	MP2B	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	-.004	1
46	MP2B	X	-4.201	5
47	MP2B	Z	0	5
48	MP2B	Mx	-.004	5
49	MP2C	X	-4.295	1
50	MP2C	Z	0	1
51	MP2C	Mx	-.003	1
52	MP2C	X	-4.295	5
53	MP2C	Z	0	5
54	MP2C	Mx	-.003	5
55	MP2C	X	-4.295	1
56	MP2C	Z	0	1
57	MP2C	Mx	.002	1
58	MP2C	X	-4.295	5
59	MP2C	Z	0	5
60	MP2C	Mx	.002	5
61	MP1A	X	-1.235	2
62	MP1A	Z	0	2
63	MP1A	Mx	.000926	2
64	MP1A	X	-1.235	4
65	MP1A	Z	0	4
66	MP1A	Mx	.000926	4
67	MP1B	X	-3.312	2
68	MP1B	Z	0	2
69	MP1B	Mx	-.00085	2
70	MP1B	X	-3.312	4
71	MP1B	Z	0	4
72	MP1B	Mx	-.00085	4
73	MP1C	X	-3.516	2
74	MP1C	Z	0	2
75	MP1C	Mx	-.000458	2
76	MP1C	X	-3.516	4
77	MP1C	Z	0	4
78	MP1C	Mx	-.000458	4
79	MP3A	X	-2.012	.5
80	MP3A	Z	0	.5
81	MP3A	Mx	-.000945	.5
82	MP3B	X	-2.012	.5
83	MP3B	Z	0	.5
84	MP3B	Mx	-.000945	.5
85	MP3C	X	-2.012	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	-.000945	.5
88	MP2A	X	-1.705	1.5
89	MP2A	Z	0	1.5
90	MP2A	Mx	-.000801	1.5
91	MP2B	X	-1.705	1.5
92	MP2B	Z	0	1.5
93	MP2B	Mx	-.000801	1.5
94	MP2C	X	-1.705	1.5
95	MP2C	Z	0	1.5
96	MP2C	Mx	-.000801	1.5
97	OVP	X	-4.573	1
98	OVP	Z	0	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.726	4
2	MP2A	Z	-.419	4
3	MP2A	Mx	-.000363	4
4	MP2C	X	-1.084	4
5	MP2C	Z	-.626	4
6	MP2C	Mx	.000402	4
7	MP4A	X	-2.431	1
8	MP4A	Z	-1.404	1
9	MP4A	Mx	.001	1
10	MP4A	X	-2.431	5
11	MP4A	Z	-1.404	5
12	MP4A	Mx	.001	5
13	MP4B	X	-3.688	1
14	MP4B	Z	-2.129	1
15	MP4B	Mx	.00037	1
16	MP4B	X	-3.688	5
17	MP4B	Z	-2.129	5
18	MP4B	Mx	.00037	5
19	MP4C	X	-2.716	1
20	MP4C	Z	-1.568	1
21	MP4C	Mx	-.001	1
22	MP4C	X	-2.716	5
23	MP4C	Z	-1.568	5
24	MP4C	Mx	-.001	5
25	MP2A	X	-3.041	1
26	MP2A	Z	-1.756	1
27	MP2A	Mx	.001	1
28	MP2A	X	-3.041	5
29	MP2A	Z	-1.756	5
30	MP2A	Mx	.001	5
31	MP2B	X	-3.72	1
32	MP2B	Z	-2.148	1
33	MP2B	Mx	.003	1
34	MP2B	X	-3.72	5
35	MP2B	Z	-2.148	5
36	MP2B	Mx	.003	5
37	MP2A	X	-3.041	1
38	MP2A	Z	-1.756	1
39	MP2A	Mx	.003	1
40	MP2A	X	-3.041	5
41	MP2A	Z	-1.756	5
42	MP2A	Mx	.003	5
43	MP2B	X	-3.72	1
44	MP2B	Z	-2.148	1
45	MP2B	Mx	-.002	1
46	MP2B	X	-3.72	5
47	MP2B	Z	-2.148	5
48	MP2B	Mx	-.002	5
49	MP2C	X	-3.359	1
50	MP2C	Z	-1.939	1
51	MP2C	Mx	-.004	1
52	MP2C	X	-3.359	5
53	MP2C	Z	-1.939	5
54	MP2C	Mx	-.004	5
55	MP2C	X	-3.359	1
56	MP2C	Z	-1.939	1
57	MP2C	Mx	.000111	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2C	X	-3.359	5
59	MP2C	Z	-1.939	5
60	MP2C	Mx	.000111	5
61	MP1A	X	-1.579	2
62	MP1A	Z	-.912	2
63	MP1A	Mx	.001	2
64	MP1A	X	-1.579	4
65	MP1A	Z	-.912	4
66	MP1A	Mx	.001	4
67	MP1B	X	-3.045	2
68	MP1B	Z	-1.758	2
69	MP1B	Mx	.000458	2
70	MP1B	X	-3.045	4
71	MP1B	Z	-1.758	4
72	MP1B	Mx	.000458	4
73	MP1C	X	-2.265	2
74	MP1C	Z	-1.308	2
75	MP1C	Mx	-.001	2
76	MP1C	X	-2.265	4
77	MP1C	Z	-1.308	4
78	MP1C	Mx	-.001	4
79	MP3A	X	-1.673	.5
80	MP3A	Z	-.966	.5
81	MP3A	Mx	-.000951	.5
82	MP3B	X	-1.673	.5
83	MP3B	Z	-.966	.5
84	MP3B	Mx	-.000951	.5
85	MP3C	X	-1.673	.5
86	MP3C	Z	-.966	.5
87	MP3C	Mx	-.000951	.5
88	MP2A	X	-1.381	1.5
89	MP2A	Z	-.797	1.5
90	MP2A	Mx	-.000785	1.5
91	MP2B	X	-1.381	1.5
92	MP2B	Z	-.797	1.5
93	MP2B	Mx	-.000785	1.5
94	MP2C	X	-1.381	1.5
95	MP2C	Z	-.797	1.5
96	MP2C	Mx	-.000785	1.5
97	OVP	X	-3.856	1
98	OVP	Z	-2.226	1
99	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.725	4
2	MP2A	Z	-1.256	4
3	MP2A	Mx	-.000362	4
4	MP2C	X	-.338	4
5	MP2C	Z	-.585	4
6	MP2C	Mx	.000317	4
7	MP4A	X	-1.907	1
8	MP4A	Z	-3.304	1
9	MP4A	Mx	.000954	1
10	MP4A	X	-1.907	5
11	MP4A	Z	-3.304	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4A	Mx	.000954	5
13	MP4B	X	-1.743	1
14	MP4B	Z	-3.019	1
15	MP4B	Mx	.001	1
16	MP4B	X	-1.743	5
17	MP4B	Z	-3.019	5
18	MP4B	Mx	.001	5
19	MP4C	X	-1.182	1
20	MP4C	Z	-2.047	1
21	MP4C	Mx	-.001	1
22	MP4C	X	-1.182	5
23	MP4C	Z	-2.047	5
24	MP4C	Mx	-.001	5
25	MP2A	X	-2.028	1
26	MP2A	Z	-3.512	1
27	MP2A	Mx	-.00082	1
28	MP2A	X	-2.028	5
29	MP2A	Z	-3.512	5
30	MP2A	Mx	-.00082	5
31	MP2B	X	-1.939	1
32	MP2B	Z	-3.359	1
33	MP2B	Mx	.004	1
34	MP2B	X	-1.939	5
35	MP2B	Z	-3.359	5
36	MP2B	Mx	.004	5
37	MP2A	X	-2.028	1
38	MP2A	Z	-3.512	1
39	MP2A	Mx	.004	1
40	MP2A	X	-2.028	5
41	MP2A	Z	-3.512	5
42	MP2A	Mx	.004	5
43	MP2B	X	-1.939	1
44	MP2B	Z	-3.359	1
45	MP2B	Mx	-.000111	1
46	MP2B	X	-1.939	5
47	MP2B	Z	-3.359	5
48	MP2B	Mx	-.000111	5
49	MP2C	X	-1.683	1
50	MP2C	Z	-2.916	1
51	MP2C	Mx	-.003	1
52	MP2C	X	-1.683	5
53	MP2C	Z	-2.916	5
54	MP2C	Mx	-.003	5
55	MP2C	X	-1.683	1
56	MP2C	Z	-2.916	1
57	MP2C	Mx	-.002	1
58	MP2C	X	-1.683	5
59	MP2C	Z	-2.916	5
60	MP2C	Mx	-.002	5
61	MP1A	X	-1.5	2
62	MP1A	Z	-2.597	2
63	MP1A	Mx	.001	2
64	MP1A	X	-1.5	4
65	MP1A	Z	-2.597	4
66	MP1A	Mx	.001	4
67	MP1B	X	-1.308	2
68	MP1B	Z	-2.265	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP1B	Mx	.001	2
70	MP1B	X	-1.308	4
71	MP1B	Z	-2.265	4
72	MP1B	Mx	.001	4
73	MP1C	X	-.755	2
74	MP1C	Z	-1.308	2
75	MP1C	Mx	-.001	2
76	MP1C	X	-.755	4
77	MP1C	Z	-1.308	4
78	MP1C	Mx	-.001	4
79	MP3A	X	-1.144	.5
80	MP3A	Z	-1.982	.5
81	MP3A	Mx	-.000876	.5
82	MP3B	X	-1.144	.5
83	MP3B	Z	-1.982	.5
84	MP3B	Mx	-.000876	.5
85	MP3C	X	-1.144	.5
86	MP3C	Z	-1.982	.5
87	MP3C	Mx	-.000876	.5
88	MP2A	X	-1.042	1.5
89	MP2A	Z	-1.806	1.5
90	MP2A	Mx	-.000798	1.5
91	MP2B	X	-1.042	1.5
92	MP2B	Z	-1.806	1.5
93	MP2B	Mx	-.000798	1.5
94	MP2C	X	-1.042	1.5
95	MP2C	Z	-1.806	1.5
96	MP2C	Mx	-.000798	1.5
97	OVP	X	-2.493	1
98	OVP	Z	-4.317	1
99	OVP	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M20	Y	-500	%49

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M20	Y	-500	%76

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M20	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M20	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-.728	4
2	MP2A	My	.000364	4
3	MP2A	Mz	0	4
4	MP2C	Y	-.728	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2C	My	-6.3e-5	4
6	MP2C	Mz	-.000359	4
7	MP4A	Y	-.205	1
8	MP4A	My	-.000102	1
9	MP4A	Mz	0	1
10	MP4A	Y	-.205	5
11	MP4A	My	-.000102	5
12	MP4A	Mz	0	5
13	MP4B	Y	-.205	1
14	MP4B	My	3.5e-5	1
15	MP4B	Mz	-9.6e-5	1
16	MP4B	Y	-.205	5
17	MP4B	My	3.5e-5	5
18	MP4B	Mz	-9.6e-5	5
19	MP4C	Y	-.205	1
20	MP4C	My	3.5e-5	1
21	MP4C	Mz	9.6e-5	1
22	MP4C	Y	-.205	5
23	MP4C	My	3.5e-5	5
24	MP4C	Mz	9.6e-5	5
25	MP2A	Y	-.952	1
26	MP2A	My	-.000714	1
27	MP2A	Mz	.000635	1
28	MP2A	Y	-.952	5
29	MP2A	My	-.000714	5
30	MP2A	Mz	.000635	5
31	MP2B	Y	-.952	1
32	MP2B	My	-.000352	1
33	MP2B	Mz	-.000888	1
34	MP2B	Y	-.952	5
35	MP2B	My	-.000352	5
36	MP2B	Mz	-.000888	5
37	MP2A	Y	-.952	1
38	MP2A	My	-.000714	1
39	MP2A	Mz	-.000635	1
40	MP2A	Y	-.952	5
41	MP2A	My	-.000714	5
42	MP2A	Mz	-.000635	5
43	MP2B	Y	-.952	1
44	MP2B	My	.00084	1
45	MP2B	Mz	-.000454	1
46	MP2B	Y	-.952	5
47	MP2B	My	.00084	5
48	MP2B	Mz	-.000454	5
49	MP2C	Y	-.952	1
50	MP2C	My	.000749	1
51	MP2C	Mz	.000593	1
52	MP2C	Y	-.952	5
53	MP2C	My	.000749	5
54	MP2C	Mz	.000593	5
55	MP2C	Y	-.952	1
56	MP2C	My	-.000501	1
57	MP2C	Mz	.000813	1
58	MP2C	Y	-.952	5
59	MP2C	My	-.000501	5
60	MP2C	Mz	.000813	5
61	MP1A	Y	-1.802	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP1A	My	-.001	2
63	MP1A	Mz	0	2
64	MP1A	Y	-1.802	4
65	MP1A	My	-.001	4
66	MP1A	Mz	0	4
67	MP1B	Y	-1.802	2
68	MP1B	My	.000462	2
69	MP1B	Mz	-.001	2
70	MP1B	Y	-1.802	4
71	MP1B	My	.000462	4
72	MP1B	Mz	-.001	4
73	MP1C	Y	-1.802	2
74	MP1C	My	.000235	2
75	MP1C	Mz	.001	2
76	MP1C	Y	-1.802	4
77	MP1C	My	.000235	4
78	MP1C	Mz	.001	4
79	MP3A	Y	-3.493	.5
80	MP3A	My	.002	.5
81	MP3A	Mz	.000597	.5
82	MP3B	Y	-3.493	.5
83	MP3B	My	.002	.5
84	MP3B	Mz	.000597	.5
85	MP3C	Y	-3.493	.5
86	MP3C	My	.002	.5
87	MP3C	Mz	.000597	.5
88	MP2A	Y	-2.909	1.5
89	MP2A	My	.001	1.5
90	MP2A	Mz	.000498	1.5
91	MP2B	Y	-2.909	1.5
92	MP2B	My	.001	1.5
93	MP2B	Mz	.000498	1.5
94	MP2C	Y	-2.909	1.5
95	MP2C	My	.001	1.5
96	MP2C	Mz	.000498	1.5
97	OVP	Y	-1.324	1
98	OVP	My	0	1
99	OVP	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-1.821	4
2	MP2A	Mx	0	4
3	MP2C	Z	-1.821	4
4	MP2C	Mx	.000897	4
5	MP4A	Z	-.512	1
6	MP4A	Mx	0	1
7	MP4A	Z	-.512	5
8	MP4A	Mx	0	5
9	MP4B	Z	-.512	1
10	MP4B	Mx	.000241	1
11	MP4B	Z	-.512	5
12	MP4B	Mx	.000241	5
13	MP4C	Z	-.512	1
14	MP4C	Mx	-.000241	1
15	MP4C	Z	-.512	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP4C	Mx	-.000241	5
17	MP2A	Z	-2.38	1
18	MP2A	Mx	-.002	1
19	MP2A	Z	-2.38	5
20	MP2A	Mx	-.002	5
21	MP2B	Z	-2.38	1
22	MP2B	Mx	.002	1
23	MP2B	Z	-2.38	5
24	MP2B	Mx	.002	5
25	MP2A	Z	-2.38	1
26	MP2A	Mx	.002	1
27	MP2A	Z	-2.38	5
28	MP2A	Mx	.002	5
29	MP2B	Z	-2.38	1
30	MP2B	Mx	.001	1
31	MP2B	Z	-2.38	5
32	MP2B	Mx	.001	5
33	MP2C	Z	-2.38	1
34	MP2C	Mx	-.001	1
35	MP2C	Z	-2.38	5
36	MP2C	Mx	-.001	5
37	MP2C	Z	-2.38	1
38	MP2C	Mx	-.002	1
39	MP2C	Z	-2.38	5
40	MP2C	Mx	-.002	5
41	MP1A	Z	-4.506	2
42	MP1A	Mx	0	2
43	MP1A	Z	-4.506	4
44	MP1A	Mx	0	4
45	MP1B	Z	-4.506	2
46	MP1B	Mx	.003	2
47	MP1B	Z	-4.506	4
48	MP1B	Mx	.003	4
49	MP1C	Z	-4.506	2
50	MP1C	Mx	-.003	2
51	MP1C	Z	-4.506	4
52	MP1C	Mx	-.003	4
53	MP3A	Z	-8.733	.5
54	MP3A	Mx	-.001	.5
55	MP3B	Z	-8.733	.5
56	MP3B	Mx	-.001	.5
57	MP3C	Z	-8.733	.5
58	MP3C	Mx	-.001	.5
59	MP2A	Z	-7.274	1.5
60	MP2A	Mx	-.001	1.5
61	MP2B	Z	-7.274	1.5
62	MP2B	Mx	-.001	1.5
63	MP2C	Z	-7.274	1.5
64	MP2C	Mx	-.001	1.5
65	OVP	Z	-3.311	1
66	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.821	4
2	MP2A	Mx	.000911	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2C	X	1.821	4
4	MP2C	Mx	-.000158	4
5	MP4A	X	.512	1
6	MP4A	Mx	-.000256	1
7	MP4A	X	.512	5
8	MP4A	Mx	-.000256	5
9	MP4B	X	.512	1
10	MP4B	Mx	8.8e-5	1
11	MP4B	X	.512	5
12	MP4B	Mx	8.8e-5	5
13	MP4C	X	.512	1
14	MP4C	Mx	8.8e-5	1
15	MP4C	X	.512	5
16	MP4C	Mx	8.8e-5	5
17	MP2A	X	2.38	1
18	MP2A	Mx	-.002	1
19	MP2A	X	2.38	5
20	MP2A	Mx	-.002	5
21	MP2B	X	2.38	1
22	MP2B	Mx	-.00088	1
23	MP2B	X	2.38	5
24	MP2B	Mx	-.00088	5
25	MP2A	X	2.38	1
26	MP2A	Mx	-.002	1
27	MP2A	X	2.38	5
28	MP2A	Mx	-.002	5
29	MP2B	X	2.38	1
30	MP2B	Mx	.002	1
31	MP2B	X	2.38	5
32	MP2B	Mx	.002	5
33	MP2C	X	2.38	1
34	MP2C	Mx	.002	1
35	MP2C	X	2.38	5
36	MP2C	Mx	.002	5
37	MP2C	X	2.38	1
38	MP2C	Mx	-.001	1
39	MP2C	X	2.38	5
40	MP2C	Mx	-.001	5
41	MP1A	X	4.506	2
42	MP1A	Mx	-.003	2
43	MP1A	X	4.506	4
44	MP1A	Mx	-.003	4
45	MP1B	X	4.506	2
46	MP1B	Mx	.001	2
47	MP1B	X	4.506	4
48	MP1B	Mx	.001	4
49	MP1C	X	4.506	2
50	MP1C	Mx	.000587	2
51	MP1C	X	4.506	4
52	MP1C	Mx	.000587	4
53	MP3A	X	8.733	.5
54	MP3A	Mx	.004	.5
55	MP3B	X	8.733	.5
56	MP3B	Mx	.004	.5
57	MP3C	X	8.733	.5
58	MP3C	Mx	.004	.5
59	MP2A	X	7.274	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2A	Mx	.003	1.5
61	MP2B	X	7.274	1.5
62	MP2B	Mx	.003	1.5
63	MP2C	X	7.274	1.5
64	MP2C	Mx	.003	1.5
65	OVP	X	3.311	1
66	OVP	Mx	0	1

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	M20	Y	-6.194	-6.194	0	%100
2	M72A	Y	-9.098	-9.098	0	%100
3	M73	Y	-9.098	-9.098	0	%100
4	M74	Y	-9.098	-9.098	0	%100
5	M75	Y	-9.588	-9.588	0	%100
6	M78	Y	-5.29	-5.29	0	%100
7	M79	Y	-5.29	-5.29	0	%100
8	M84	Y	-9.575	-9.575	0	%100
9	M85	Y	-9.575	-9.575	0	%100
10	M87A	Y	-9.588	-9.588	0	%100
11	M89A	Y	-9.575	-9.575	0	%100
12	M90A	Y	-9.575	-9.575	0	%100
13	M92	Y	-9.588	-9.588	0	%100
14	M25	Y	-9.098	-9.098	0	%100
15	M26	Y	-9.098	-9.098	0	%100
16	M27	Y	-9.098	-9.098	0	%100
17	M28	Y	-9.588	-9.588	0	%100
18	M31	Y	-5.29	-5.29	0	%100
19	M32	Y	-5.29	-5.29	0	%100
20	M37	Y	-9.575	-9.575	0	%100
21	M38	Y	-9.575	-9.575	0	%100
22	M40	Y	-9.588	-9.588	0	%100
23	M42	Y	-9.575	-9.575	0	%100
24	M43	Y	-9.575	-9.575	0	%100
25	M45	Y	-9.588	-9.588	0	%100
26	M47	Y	-9.098	-9.098	0	%100
27	M48	Y	-9.098	-9.098	0	%100
28	M49	Y	-9.098	-9.098	0	%100
29	M50	Y	-9.588	-9.588	0	%100
30	M53	Y	-5.29	-5.29	0	%100
31	M54	Y	-5.29	-5.29	0	%100
32	M59	Y	-9.575	-9.575	0	%100
33	M60	Y	-9.575	-9.575	0	%100
34	M62	Y	-9.588	-9.588	0	%100
35	M64	Y	-9.575	-9.575	0	%100
36	M65	Y	-9.575	-9.575	0	%100
37	M67	Y	-9.588	-9.588	0	%100
38	M68	Y	-6.194	-6.194	0	%100
39	M69	Y	-6.194	-6.194	0	%100
40	MP4A	Y	-4.68	-4.68	0	%100
41	MP3A	Y	-4.68	-4.68	0	%100
42	MP2A	Y	-5.353	-5.353	0	%100
43	MP1A	Y	-4.68	-4.68	0	%100
44	MP4C	Y	-4.68	-4.68	0	%100
45	MP3C	Y	-4.68	-4.68	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	MP2C	Y	-5.353	-5.353	0	%100
47	MP1C	Y	-4.68	-4.68	0	%100
48	MP4B	Y	-4.68	-4.68	0	%100
49	MP3B	Y	-4.68	-4.68	0	%100
50	MP2B	Y	-5.353	-5.353	0	%100
51	MP1B	Y	-4.68	-4.68	0	%100
52	OVP	Y	-4.68	-4.68	0	%100
53	M118	Y	-7.194	-7.194	0	%100
54	M119	Y	-7.194	-7.194	0	%100
55	M120	Y	-7.194	-7.194	0	%100
56	M119A	Y	-5.353	-5.353	0	0
57	M120A	Y	-5.353	-5.353	0	0
58	M121	Y	-5.353	-5.353	0	0

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	M20	X	0	0	0	%100
2	M20	Z	-10.248	-10.248	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	-8.826	-8.826	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	-8.826	-8.826	0	%100
9	M75	X	0	0	0	%100
10	M75	Z	-17.569	-17.569	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	-2.391	-2.391	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	-2.391	-2.391	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	-4.473	-4.473	0	%100
19	M87A	X	0	0	0	%100
20	M87A	Z	-4.636	-4.636	0	%100
21	M89A	X	0	0	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	-4.473	-4.473	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	-4.636	-4.636	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	-7.656	-7.656	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	-2.206	-2.206	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	-2.206	-2.206	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-4.392	-4.392	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	-2.391	-2.391	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	-9.565	-9.565	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-13.258	-13.258	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,%]
41	M38	X	0	0	0	%100
42	M38	Z	-17.894	-17.894	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-18.545	-18.545	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-13.258	-13.258	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	-4.473	-4.473	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-4.636	-4.636	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-7.656	-7.656	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	-2.206	-2.206	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	-2.206	-2.206	0	%100
57	M50	X	0	0	0	%100
58	M50	Z	-4.392	-4.392	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	-9.564	-9.564	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	-2.391	-2.391	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	-13.258	-13.258	0	%100
65	M60	X	0	0	0	%100
66	M60	Z	-4.473	-4.473	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	-4.636	-4.636	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	-13.258	-13.258	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	-17.894	-17.894	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	-18.545	-18.545	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	-2.562	-2.562	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	-2.562	-2.562	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-6.954	-6.954	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	-6.954	-6.954	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-8.418	-8.418	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-6.954	-6.954	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-6.954	-6.954	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-6.954	-6.954	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-8.418	-8.418	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-6.954	-6.954	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-6.954	-6.954	0	%100
97	MP3B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
98	MP3B	Z	-6.954	-6.954	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-8.418	-8.418	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-6.954	-6.954	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	-6.337	-6.337	0	%100
105	M118	X	0	0	0	%100
106	M118	Z	-2.372	-2.372	0	%100
107	M119	X	0	0	0	%100
108	M119	Z	-9.481	-9.481	0	%100
109	M120	X	0	0	0	%100
110	M120	Z	-2.37	-2.37	0	%100
111	M119A	X	0	0	0	0
112	M119A	Z	-8.418	-8.418	0	0
113	M120A	X	0	0	0	0
114	M120A	Z	-2.105	-2.105	0	0
115	M121	X	0	0	0	0
116	M121	Z	-2.105	-2.105	0	0

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	M20	X	3.843	3.843	0	%100
2	M20	Z	-6.656	-6.656	0	%100
3	M72A	X	1.276	1.276	0	%100
4	M72A	Z	-2.21	-2.21	0	%100
5	M73	X	3.31	3.31	0	%100
6	M73	Z	-5.733	-5.733	0	%100
7	M74	X	3.31	3.31	0	%100
8	M74	Z	-5.733	-5.733	0	%100
9	M75	X	6.588	6.588	0	%100
10	M75	Z	-11.411	-11.411	0	%100
11	M78	X	3.586	3.586	0	%100
12	M78	Z	-6.212	-6.212	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	2.21	2.21	0	%100
16	M84	Z	-3.827	-3.827	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	0	0	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	2.21	2.21	0	%100
22	M89A	Z	-3.827	-3.827	0	%100
23	M90A	X	6.71	6.71	0	%100
24	M90A	Z	-11.622	-11.622	0	%100
25	M92	X	6.954	6.954	0	%100
26	M92	Z	-12.045	-12.045	0	%100
27	M25	X	1.276	1.276	0	%100
28	M25	Z	-2.21	-2.21	0	%100
29	M26	X	3.31	3.31	0	%100
30	M26	Z	-5.733	-5.733	0	%100
31	M27	X	3.31	3.31	0	%100
32	M27	Z	-5.733	-5.733	0	%100
33	M28	X	6.588	6.588	0	%100
34	M28	Z	-11.411	-11.411	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,%]
35	M31	X	0	0	0	%100
36	M31	Z	0	0	0	%100
37	M32	X	3.587	3.587	0	%100
38	M32	Z	-6.213	-6.213	0	%100
39	M37	X	2.21	2.21	0	%100
40	M37	Z	-3.827	-3.827	0	%100
41	M38	X	6.71	6.71	0	%100
42	M38	Z	-11.622	-11.622	0	%100
43	M40	X	6.954	6.954	0	%100
44	M40	Z	-12.045	-12.045	0	%100
45	M42	X	2.21	2.21	0	%100
46	M42	Z	-3.827	-3.827	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	5.104	5.104	0	%100
52	M47	Z	-8.84	-8.84	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	0	0	0	%100
57	M50	X	0	0	0	%100
58	M50	Z	0	0	0	%100
59	M53	X	3.586	3.586	0	%100
60	M53	Z	-6.212	-6.212	0	%100
61	M54	X	3.587	3.587	0	%100
62	M54	Z	-6.213	-6.213	0	%100
63	M59	X	8.839	8.839	0	%100
64	M59	Z	-15.309	-15.309	0	%100
65	M60	X	6.71	6.71	0	%100
66	M60	Z	-11.622	-11.622	0	%100
67	M62	X	6.954	6.954	0	%100
68	M62	Z	-12.045	-12.045	0	%100
69	M64	X	8.839	8.839	0	%100
70	M64	Z	-15.309	-15.309	0	%100
71	M65	X	6.71	6.71	0	%100
72	M65	Z	-11.622	-11.622	0	%100
73	M67	X	6.954	6.954	0	%100
74	M67	Z	-12.045	-12.045	0	%100
75	M68	X	3.843	3.843	0	%100
76	M68	Z	-6.656	-6.656	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	0	0	0	%100
79	MP4A	X	3.477	3.477	0	%100
80	MP4A	Z	-6.023	-6.023	0	%100
81	MP3A	X	3.477	3.477	0	%100
82	MP3A	Z	-6.023	-6.023	0	%100
83	MP2A	X	4.209	4.209	0	%100
84	MP2A	Z	-7.29	-7.29	0	%100
85	MP1A	X	3.477	3.477	0	%100
86	MP1A	Z	-6.023	-6.023	0	%100
87	MP4C	X	3.477	3.477	0	%100
88	MP4C	Z	-6.023	-6.023	0	%100
89	MP3C	X	3.477	3.477	0	%100
90	MP3C	Z	-6.023	-6.023	0	%100
91	MP2C	X	4.209	4.209	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,%]
92	MP2C	Z	-7.29	-7.29	0	%100
93	MP1C	X	3.477	3.477	0	%100
94	MP1C	Z	-6.023	-6.023	0	%100
95	MP4B	X	3.477	3.477	0	%100
96	MP4B	Z	-6.023	-6.023	0	%100
97	MP3B	X	3.477	3.477	0	%100
98	MP3B	Z	-6.023	-6.023	0	%100
99	MP2B	X	4.209	4.209	0	%100
100	MP2B	Z	-7.29	-7.29	0	%100
101	MP1B	X	3.477	3.477	0	%100
102	MP1B	Z	-6.023	-6.023	0	%100
103	OVP	X	3.169	3.169	0	%100
104	OVP	Z	-5.488	-5.488	0	%100
105	M118	X	3.556	3.556	0	%100
106	M118	Z	-6.16	-6.16	0	%100
107	M119	X	3.554	3.554	0	%100
108	M119	Z	-6.156	-6.156	0	%100
109	M120	X	0	0	0	%100
110	M120	Z	0	0	0	%100
111	M119A	X	3.157	3.157	0	0
112	M119A	Z	-5.468	-5.468	0	0
113	M120A	X	3.157	3.157	0	0
114	M120A	Z	-5.468	-5.468	0	0
115	M121	X	0	0	0	0
116	M121	Z	0	0	0	0

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	M20	X	2.219	2.219	0	%100
2	M20	Z	-1.281	-1.281	0	%100
3	M72A	X	6.63	6.63	0	%100
4	M72A	Z	-3.828	-3.828	0	%100
5	M73	X	1.911	1.911	0	%100
6	M73	Z	-1.103	-1.103	0	%100
7	M74	X	1.911	1.911	0	%100
8	M74	Z	-1.103	-1.103	0	%100
9	M75	X	3.804	3.804	0	%100
10	M75	Z	-2.196	-2.196	0	%100
11	M78	X	8.283	8.283	0	%100
12	M78	Z	-4.782	-4.782	0	%100
13	M79	X	2.071	2.071	0	%100
14	M79	Z	-1.196	-1.196	0	%100
15	M84	X	11.482	11.482	0	%100
16	M84	Z	-6.629	-6.629	0	%100
17	M85	X	3.874	3.874	0	%100
18	M85	Z	-2.237	-2.237	0	%100
19	M87A	X	4.015	4.015	0	%100
20	M87A	Z	-2.318	-2.318	0	%100
21	M89A	X	11.482	11.482	0	%100
22	M89A	Z	-6.629	-6.629	0	%100
23	M90A	X	15.497	15.497	0	%100
24	M90A	Z	-8.947	-8.947	0	%100
25	M92	X	16.06	16.06	0	%100
26	M92	Z	-9.272	-9.272	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	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,%]
29	M26	X	7.643	7.643	0	%100
30	M26	Z	-4.413	-4.413	0	%100
31	M27	X	7.643	7.643	0	%100
32	M27	Z	-4.413	-4.413	0	%100
33	M28	X	15.215	15.215	0	%100
34	M28	Z	-8.784	-8.784	0	%100
35	M31	X	2.071	2.071	0	%100
36	M31	Z	-1.195	-1.195	0	%100
37	M32	X	2.071	2.071	0	%100
38	M32	Z	-1.196	-1.196	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	3.874	3.874	0	%100
42	M38	Z	-2.237	-2.237	0	%100
43	M40	X	4.015	4.015	0	%100
44	M40	Z	-2.318	-2.318	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	3.874	3.874	0	%100
48	M43	Z	-2.237	-2.237	0	%100
49	M45	X	4.015	4.015	0	%100
50	M45	Z	-2.318	-2.318	0	%100
51	M47	X	6.63	6.63	0	%100
52	M47	Z	-3.828	-3.828	0	%100
53	M48	X	1.911	1.911	0	%100
54	M48	Z	-1.103	-1.103	0	%100
55	M49	X	1.911	1.911	0	%100
56	M49	Z	-1.103	-1.103	0	%100
57	M50	X	3.804	3.804	0	%100
58	M50	Z	-2.196	-2.196	0	%100
59	M53	X	2.071	2.071	0	%100
60	M53	Z	-1.195	-1.195	0	%100
61	M54	X	8.284	8.284	0	%100
62	M54	Z	-4.783	-4.783	0	%100
63	M59	X	11.482	11.482	0	%100
64	M59	Z	-6.629	-6.629	0	%100
65	M60	X	15.497	15.497	0	%100
66	M60	Z	-8.947	-8.947	0	%100
67	M62	X	16.06	16.06	0	%100
68	M62	Z	-9.272	-9.272	0	%100
69	M64	X	11.482	11.482	0	%100
70	M64	Z	-6.629	-6.629	0	%100
71	M65	X	3.874	3.874	0	%100
72	M65	Z	-2.237	-2.237	0	%100
73	M67	X	4.015	4.015	0	%100
74	M67	Z	-2.318	-2.318	0	%100
75	M68	X	8.875	8.875	0	%100
76	M68	Z	-5.124	-5.124	0	%100
77	M69	X	2.219	2.219	0	%100
78	M69	Z	-1.281	-1.281	0	%100
79	MP4A	X	6.023	6.023	0	%100
80	MP4A	Z	-3.477	-3.477	0	%100
81	MP3A	X	6.023	6.023	0	%100
82	MP3A	Z	-3.477	-3.477	0	%100
83	MP2A	X	7.29	7.29	0	%100
84	MP2A	Z	-4.209	-4.209	0	%100
85	MP1A	X	6.023	6.023	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,%]
86	MP1A	Z	-3.477	-3.477	0	%100
87	MP4C	X	6.023	6.023	0	%100
88	MP4C	Z	-3.477	-3.477	0	%100
89	MP3C	X	6.023	6.023	0	%100
90	MP3C	Z	-3.477	-3.477	0	%100
91	MP2C	X	7.29	7.29	0	%100
92	MP2C	Z	-4.209	-4.209	0	%100
93	MP1C	X	6.023	6.023	0	%100
94	MP1C	Z	-3.477	-3.477	0	%100
95	MP4B	X	6.023	6.023	0	%100
96	MP4B	Z	-3.477	-3.477	0	%100
97	MP3B	X	6.023	6.023	0	%100
98	MP3B	Z	-3.477	-3.477	0	%100
99	MP2B	X	7.29	7.29	0	%100
100	MP2B	Z	-4.209	-4.209	0	%100
101	MP1B	X	6.023	6.023	0	%100
102	MP1B	Z	-3.477	-3.477	0	%100
103	OVP	X	5.488	5.488	0	%100
104	OVP	Z	-3.169	-3.169	0	%100
105	M118	X	8.211	8.211	0	%100
106	M118	Z	-4.741	-4.741	0	%100
107	M119	X	2.051	2.051	0	%100
108	M119	Z	-1.184	-1.184	0	%100
109	M120	X	2.053	2.053	0	%100
110	M120	Z	-1.185	-1.185	0	%100
111	M119A	X	1.823	1.823	0	0
112	M119A	Z	-1.052	-1.052	0	0
113	M120A	X	7.29	7.29	0	0
114	M120A	Z	-4.209	-4.209	0	0
115	M121	X	1.823	1.823	0	0
116	M121	Z	-1.052	-1.052	0	0

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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M72A	X	10.208	10.208	0	%100
4	M72A	Z	0	0	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	0	0	0	%100
9	M75	X	0	0	0	%100
10	M75	Z	0	0	0	%100
11	M78	X	7.173	7.173	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	7.174	7.174	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	17.677	17.677	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	13.42	13.42	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	13.908	13.908	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	17.677	17.677	0	%100
22	M89A	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,%]
23	M90A	X	13.42	13.42	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	13.908	13.908	0	%100
26	M92	Z	0	0	0	%100
27	M25	X	2.552	2.552	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	6.619	6.619	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	6.619	6.619	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	13.176	13.176	0	%100
34	M28	Z	0	0	0	%100
35	M31	X	7.173	7.173	0	%100
36	M31	Z	0	0	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	0	0	0	%100
39	M37	X	4.419	4.419	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	4.419	4.419	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	13.42	13.42	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	13.908	13.908	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	2.552	2.552	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	6.619	6.619	0	%100
54	M48	Z	0	0	0	%100
55	M49	X	6.619	6.619	0	%100
56	M49	Z	0	0	0	%100
57	M50	X	13.176	13.176	0	%100
58	M50	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	7.174	7.174	0	%100
62	M54	Z	0	0	0	%100
63	M59	X	4.419	4.419	0	%100
64	M59	Z	0	0	0	%100
65	M60	X	13.42	13.42	0	%100
66	M60	Z	0	0	0	%100
67	M62	X	13.908	13.908	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	4.419	4.419	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	0	0	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	0	0	0	%100
75	M68	X	7.686	7.686	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	7.686	7.686	0	%100
78	M69	Z	0	0	0	%100
79	MP4A	X	6.954	6.954	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,%]
80	MP4A	Z	0	0	0	%100
81	MP3A	X	6.954	6.954	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	8.418	8.418	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	6.954	6.954	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	6.954	6.954	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	6.954	6.954	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	8.418	8.418	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	6.954	6.954	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	6.954	6.954	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	6.954	6.954	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	8.418	8.418	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	6.954	6.954	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	6.337	6.337	0	%100
104	OVP	Z	0	0	0	%100
105	M118	X	7.109	7.109	0	%100
106	M118	Z	0	0	0	%100
107	M119	X	1e-6	1e-6	0	%100
108	M119	Z	0	0	0	%100
109	M120	X	7.111	7.111	0	%100
110	M120	Z	0	0	0	%100
111	M119A	X	0	0	0	0
112	M119A	Z	0	0	0	0
113	M120A	X	6.314	6.314	0	0
114	M120A	Z	0	0	0	0
115	M121	X	6.314	6.314	0	0
116	M121	Z	0	0	0	0

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	M20	X	2.219	2.219	0	%100
2	M20	Z	1.281	1.281	0	%100
3	M72A	X	6.63	6.63	0	%100
4	M72A	Z	3.828	3.828	0	%100
5	M73	X	1.911	1.911	0	%100
6	M73	Z	1.103	1.103	0	%100
7	M74	X	1.911	1.911	0	%100
8	M74	Z	1.103	1.103	0	%100
9	M75	X	3.804	3.804	0	%100
10	M75	Z	2.196	2.196	0	%100
11	M78	X	2.071	2.071	0	%100
12	M78	Z	1.195	1.195	0	%100
13	M79	X	8.284	8.284	0	%100
14	M79	Z	4.783	4.783	0	%100
15	M84	X	11.482	11.482	0	%100
16	M84	Z	6.629	6.629	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,%]
17	M85	X	15.497	15.497	0	%100
18	M85	Z	8.947	8.947	0	%100
19	M87A	X	16.06	16.06	0	%100
20	M87A	Z	9.272	9.272	0	%100
21	M89A	X	11.482	11.482	0	%100
22	M89A	Z	6.629	6.629	0	%100
23	M90A	X	3.874	3.874	0	%100
24	M90A	Z	2.237	2.237	0	%100
25	M92	X	4.015	4.015	0	%100
26	M92	Z	2.318	2.318	0	%100
27	M25	X	6.63	6.63	0	%100
28	M25	Z	3.828	3.828	0	%100
29	M26	X	1.911	1.911	0	%100
30	M26	Z	1.103	1.103	0	%100
31	M27	X	1.911	1.911	0	%100
32	M27	Z	1.103	1.103	0	%100
33	M28	X	3.804	3.804	0	%100
34	M28	Z	2.196	2.196	0	%100
35	M31	X	8.283	8.283	0	%100
36	M31	Z	4.782	4.782	0	%100
37	M32	X	2.071	2.071	0	%100
38	M32	Z	1.196	1.196	0	%100
39	M37	X	11.482	11.482	0	%100
40	M37	Z	6.629	6.629	0	%100
41	M38	X	3.874	3.874	0	%100
42	M38	Z	2.237	2.237	0	%100
43	M40	X	4.015	4.015	0	%100
44	M40	Z	2.318	2.318	0	%100
45	M42	X	11.482	11.482	0	%100
46	M42	Z	6.629	6.629	0	%100
47	M43	X	15.497	15.497	0	%100
48	M43	Z	8.947	8.947	0	%100
49	M45	X	16.06	16.06	0	%100
50	M45	Z	9.272	9.272	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	7.643	7.643	0	%100
54	M48	Z	4.413	4.413	0	%100
55	M49	X	7.643	7.643	0	%100
56	M49	Z	4.413	4.413	0	%100
57	M50	X	15.215	15.215	0	%100
58	M50	Z	8.784	8.784	0	%100
59	M53	X	2.071	2.071	0	%100
60	M53	Z	1.195	1.195	0	%100
61	M54	X	2.071	2.071	0	%100
62	M54	Z	1.196	1.196	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M60	X	3.874	3.874	0	%100
66	M60	Z	2.237	2.237	0	%100
67	M62	X	4.015	4.015	0	%100
68	M62	Z	2.318	2.318	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	3.874	3.874	0	%100
72	M65	Z	2.237	2.237	0	%100
73	M67	X	4.015	4.015	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,%]
74	M67	Z	2.318	2.318	0	%100
75	M68	X	2.219	2.219	0	%100
76	M68	Z	1.281	1.281	0	%100
77	M69	X	8.875	8.875	0	%100
78	M69	Z	5.124	5.124	0	%100
79	MP4A	X	6.023	6.023	0	%100
80	MP4A	Z	3.477	3.477	0	%100
81	MP3A	X	6.023	6.023	0	%100
82	MP3A	Z	3.477	3.477	0	%100
83	MP2A	X	7.29	7.29	0	%100
84	MP2A	Z	4.209	4.209	0	%100
85	MP1A	X	6.023	6.023	0	%100
86	MP1A	Z	3.477	3.477	0	%100
87	MP4C	X	6.023	6.023	0	%100
88	MP4C	Z	3.477	3.477	0	%100
89	MP3C	X	6.023	6.023	0	%100
90	MP3C	Z	3.477	3.477	0	%100
91	MP2C	X	7.29	7.29	0	%100
92	MP2C	Z	4.209	4.209	0	%100
93	MP1C	X	6.023	6.023	0	%100
94	MP1C	Z	3.477	3.477	0	%100
95	MP4B	X	6.023	6.023	0	%100
96	MP4B	Z	3.477	3.477	0	%100
97	MP3B	X	6.023	6.023	0	%100
98	MP3B	Z	3.477	3.477	0	%100
99	MP2B	X	7.29	7.29	0	%100
100	MP2B	Z	4.209	4.209	0	%100
101	MP1B	X	6.023	6.023	0	%100
102	MP1B	Z	3.477	3.477	0	%100
103	OVP	X	5.488	5.488	0	%100
104	OVP	Z	3.169	3.169	0	%100
105	M118	X	2.051	2.051	0	%100
106	M118	Z	1.184	1.184	0	%100
107	M119	X	2.054	2.054	0	%100
108	M119	Z	1.186	1.186	0	%100
109	M120	X	8.211	8.211	0	%100
110	M120	Z	4.741	4.741	0	%100
111	M119A	X	1.823	1.823	0	0
112	M119A	Z	1.052	1.052	0	0
113	M120A	X	1.823	1.823	0	0
114	M120A	Z	1.052	1.052	0	0
115	M121	X	7.29	7.29	0	0
116	M121	Z	4.209	4.209	0	0

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	M20	X	3.843	3.843	0	%100
2	M20	Z	6.656	6.656	0	%100
3	M72A	X	1.276	1.276	0	%100
4	M72A	Z	2.21	2.21	0	%100
5	M73	X	3.31	3.31	0	%100
6	M73	Z	5.733	5.733	0	%100
7	M74	X	3.31	3.31	0	%100
8	M74	Z	5.733	5.733	0	%100
9	M75	X	6.588	6.588	0	%100
10	M75	Z	11.411	11.411	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,%]
11	M78	X	0	0	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	3.587	3.587	0	%100
14	M79	Z	6.213	6.213	0	%100
15	M84	X	2.21	2.21	0	%100
16	M84	Z	3.827	3.827	0	%100
17	M85	X	6.71	6.71	0	%100
18	M85	Z	11.622	11.622	0	%100
19	M87A	X	6.954	6.954	0	%100
20	M87A	Z	12.045	12.045	0	%100
21	M89A	X	2.21	2.21	0	%100
22	M89A	Z	3.827	3.827	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	0	0	0	%100
27	M25	X	5.104	5.104	0	%100
28	M25	Z	8.84	8.84	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M31	X	3.586	3.586	0	%100
36	M31	Z	6.212	6.212	0	%100
37	M32	X	3.587	3.587	0	%100
38	M32	Z	6.213	6.213	0	%100
39	M37	X	8.839	8.839	0	%100
40	M37	Z	15.309	15.309	0	%100
41	M38	X	6.71	6.71	0	%100
42	M38	Z	11.622	11.622	0	%100
43	M40	X	6.954	6.954	0	%100
44	M40	Z	12.045	12.045	0	%100
45	M42	X	8.839	8.839	0	%100
46	M42	Z	15.309	15.309	0	%100
47	M43	X	6.71	6.71	0	%100
48	M43	Z	11.622	11.622	0	%100
49	M45	X	6.954	6.954	0	%100
50	M45	Z	12.045	12.045	0	%100
51	M47	X	1.276	1.276	0	%100
52	M47	Z	2.21	2.21	0	%100
53	M48	X	3.31	3.31	0	%100
54	M48	Z	5.733	5.733	0	%100
55	M49	X	3.31	3.31	0	%100
56	M49	Z	5.733	5.733	0	%100
57	M50	X	6.588	6.588	0	%100
58	M50	Z	11.411	11.411	0	%100
59	M53	X	3.586	3.586	0	%100
60	M53	Z	6.212	6.212	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	0	0	0	%100
63	M59	X	2.21	2.21	0	%100
64	M59	Z	3.827	3.827	0	%100
65	M60	X	0	0	0	%100
66	M60	Z	0	0	0	%100
67	M62	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
68	M62	Z	0	0	0	%100
69	M64	X	2.21	2.21	0	%100
70	M64	Z	3.827	3.827	0	%100
71	M65	X	6.71	6.71	0	%100
72	M65	Z	11.622	11.622	0	%100
73	M67	X	6.954	6.954	0	%100
74	M67	Z	12.045	12.045	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	3.843	3.843	0	%100
78	M69	Z	6.656	6.656	0	%100
79	MP4A	X	3.477	3.477	0	%100
80	MP4A	Z	6.023	6.023	0	%100
81	MP3A	X	3.477	3.477	0	%100
82	MP3A	Z	6.023	6.023	0	%100
83	MP2A	X	4.209	4.209	0	%100
84	MP2A	Z	7.29	7.29	0	%100
85	MP1A	X	3.477	3.477	0	%100
86	MP1A	Z	6.023	6.023	0	%100
87	MP4C	X	3.477	3.477	0	%100
88	MP4C	Z	6.023	6.023	0	%100
89	MP3C	X	3.477	3.477	0	%100
90	MP3C	Z	6.023	6.023	0	%100
91	MP2C	X	4.209	4.209	0	%100
92	MP2C	Z	7.29	7.29	0	%100
93	MP1C	X	3.477	3.477	0	%100
94	MP1C	Z	6.023	6.023	0	%100
95	MP4B	X	3.477	3.477	0	%100
96	MP4B	Z	6.023	6.023	0	%100
97	MP3B	X	3.477	3.477	0	%100
98	MP3B	Z	6.023	6.023	0	%100
99	MP2B	X	4.209	4.209	0	%100
100	MP2B	Z	7.29	7.29	0	%100
101	MP1B	X	3.477	3.477	0	%100
102	MP1B	Z	6.023	6.023	0	%100
103	OVP	X	3.169	3.169	0	%100
104	OVP	Z	5.488	5.488	0	%100
105	M118	X	0	0	0	%100
106	M118	Z	1e-6	1e-6	0	%100
107	M119	X	3.556	3.556	0	%100
108	M119	Z	6.16	6.16	0	%100
109	M120	X	3.555	3.555	0	%100
110	M120	Z	6.158	6.158	0	%100
111	M119A	X	3.157	3.157	0	0
112	M119A	Z	5.468	5.468	0	0
113	M120A	X	0	0	0	0
114	M120A	Z	0	0	0	0
115	M121	X	3.157	3.157	0	0
116	M121	Z	5.468	5.468	0	0

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	M20	X	0	0	0	%100
2	M20	Z	10.248	10.248	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M73	X	0	0	0	%100
6	M73	Z	8.826	8.826	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	8.826	8.826	0	%100
9	M75	X	0	0	0	%100
10	M75	Z	17.569	17.569	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	2.391	2.391	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	2.391	2.391	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	4.473	4.473	0	%100
19	M87A	X	0	0	0	%100
20	M87A	Z	4.636	4.636	0	%100
21	M89A	X	0	0	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	4.473	4.473	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	4.636	4.636	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	7.656	7.656	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	2.206	2.206	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	2.206	2.206	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	4.392	4.392	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	2.391	2.391	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	9.565	9.565	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	13.258	13.258	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	17.894	17.894	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	18.545	18.545	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	13.258	13.258	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	4.473	4.473	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	4.636	4.636	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	7.656	7.656	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	2.206	2.206	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	2.206	2.206	0	%100
57	M50	X	0	0	0	%100
58	M50	Z	4.392	4.392	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	9.564	9.564	0	%100
61	M54	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M54	Z	2.391	2.391	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	13.258	13.258	0	%100
65	M60	X	0	0	0	%100
66	M60	Z	4.473	4.473	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	4.636	4.636	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	13.258	13.258	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	17.894	17.894	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	18.545	18.545	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	2.562	2.562	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	2.562	2.562	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	6.954	6.954	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	6.954	6.954	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	8.418	8.418	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	6.954	6.954	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	6.954	6.954	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	6.954	6.954	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	8.418	8.418	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	6.954	6.954	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	6.954	6.954	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	6.954	6.954	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	8.418	8.418	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	6.954	6.954	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	6.337	6.337	0	%100
105	M118	X	0	0	0	%100
106	M118	Z	2.372	2.372	0	%100
107	M119	X	0	0	0	%100
108	M119	Z	9.481	9.481	0	%100
109	M120	X	0	0	0	%100
110	M120	Z	2.37	2.37	0	%100
111	M119A	X	0	0	0	0
112	M119A	Z	8.418	8.418	0	0
113	M120A	X	0	0	0	0
114	M120A	Z	2.105	2.105	0	0
115	M121	X	0	0	0	0
116	M121	Z	2.105	2.105	0	0

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	M20	X	-3.843	-3.843	0	%100
2	M20	Z	6.656	6.656	0	%100
3	M72A	X	-1.276	-1.276	0	%100
4	M72A	Z	2.21	2.21	0	%100
5	M73	X	-3.31	-3.31	0	%100
6	M73	Z	5.733	5.733	0	%100
7	M74	X	-3.31	-3.31	0	%100
8	M74	Z	5.733	5.733	0	%100
9	M75	X	-6.588	-6.588	0	%100
10	M75	Z	11.411	11.411	0	%100
11	M78	X	-3.586	-3.586	0	%100
12	M78	Z	6.212	6.212	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	-2.21	-2.21	0	%100
16	M84	Z	3.827	3.827	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	0	0	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	-2.21	-2.21	0	%100
22	M89A	Z	3.827	3.827	0	%100
23	M90A	X	-6.71	-6.71	0	%100
24	M90A	Z	11.622	11.622	0	%100
25	M92	X	-6.954	-6.954	0	%100
26	M92	Z	12.045	12.045	0	%100
27	M25	X	-1.276	-1.276	0	%100
28	M25	Z	2.21	2.21	0	%100
29	M26	X	-3.31	-3.31	0	%100
30	M26	Z	5.733	5.733	0	%100
31	M27	X	-3.31	-3.31	0	%100
32	M27	Z	5.733	5.733	0	%100
33	M28	X	-6.588	-6.588	0	%100
34	M28	Z	11.411	11.411	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	0	0	0	%100
37	M32	X	-3.587	-3.587	0	%100
38	M32	Z	6.213	6.213	0	%100
39	M37	X	-2.21	-2.21	0	%100
40	M37	Z	3.827	3.827	0	%100
41	M38	X	-6.71	-6.71	0	%100
42	M38	Z	11.622	11.622	0	%100
43	M40	X	-6.954	-6.954	0	%100
44	M40	Z	12.045	12.045	0	%100
45	M42	X	-2.21	-2.21	0	%100
46	M42	Z	3.827	3.827	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	-5.104	-5.104	0	%100
52	M47	Z	8.84	8.84	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	0	0	0	%100
57	M50	X	0	0	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,%]
58	M50	Z	0	0	0	%100
59	M53	X	-3.586	-3.586	0	%100
60	M53	Z	6.212	6.212	0	%100
61	M54	X	-3.587	-3.587	0	%100
62	M54	Z	6.213	6.213	0	%100
63	M59	X	-8.839	-8.839	0	%100
64	M59	Z	15.309	15.309	0	%100
65	M60	X	-6.71	-6.71	0	%100
66	M60	Z	11.622	11.622	0	%100
67	M62	X	-6.954	-6.954	0	%100
68	M62	Z	12.045	12.045	0	%100
69	M64	X	-8.839	-8.839	0	%100
70	M64	Z	15.309	15.309	0	%100
71	M65	X	-6.71	-6.71	0	%100
72	M65	Z	11.622	11.622	0	%100
73	M67	X	-6.954	-6.954	0	%100
74	M67	Z	12.045	12.045	0	%100
75	M68	X	-3.843	-3.843	0	%100
76	M68	Z	6.656	6.656	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	0	0	0	%100
79	MP4A	X	-3.477	-3.477	0	%100
80	MP4A	Z	6.023	6.023	0	%100
81	MP3A	X	-3.477	-3.477	0	%100
82	MP3A	Z	6.023	6.023	0	%100
83	MP2A	X	-4.209	-4.209	0	%100
84	MP2A	Z	7.29	7.29	0	%100
85	MP1A	X	-3.477	-3.477	0	%100
86	MP1A	Z	6.023	6.023	0	%100
87	MP4C	X	-3.477	-3.477	0	%100
88	MP4C	Z	6.023	6.023	0	%100
89	MP3C	X	-3.477	-3.477	0	%100
90	MP3C	Z	6.023	6.023	0	%100
91	MP2C	X	-4.209	-4.209	0	%100
92	MP2C	Z	7.29	7.29	0	%100
93	MP1C	X	-3.477	-3.477	0	%100
94	MP1C	Z	6.023	6.023	0	%100
95	MP4B	X	-3.477	-3.477	0	%100
96	MP4B	Z	6.023	6.023	0	%100
97	MP3B	X	-3.477	-3.477	0	%100
98	MP3B	Z	6.023	6.023	0	%100
99	MP2B	X	-4.209	-4.209	0	%100
100	MP2B	Z	7.29	7.29	0	%100
101	MP1B	X	-3.477	-3.477	0	%100
102	MP1B	Z	6.023	6.023	0	%100
103	OVP	X	-3.169	-3.169	0	%100
104	OVP	Z	5.488	5.488	0	%100
105	M118	X	-3.556	-3.556	0	%100
106	M118	Z	6.16	6.16	0	%100
107	M119	X	-3.554	-3.554	0	%100
108	M119	Z	6.156	6.156	0	%100
109	M120	X	0	0	0	%100
110	M120	Z	0	0	0	%100
111	M119A	X	-3.157	-3.157	0	0
112	M119A	Z	5.468	5.468	0	0
113	M120A	X	-3.157	-3.157	0	0
114	M120A	Z	5.468	5.468	0	0

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,%]
115	M121	X	0	0	0	0
116	M121	Z	0	0	0	0

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	M20	X	-2.219	-2.219	0	%100
2	M20	Z	1.281	1.281	0	%100
3	M72A	X	-6.63	-6.63	0	%100
4	M72A	Z	3.828	3.828	0	%100
5	M73	X	-1.911	-1.911	0	%100
6	M73	Z	1.103	1.103	0	%100
7	M74	X	-1.911	-1.911	0	%100
8	M74	Z	1.103	1.103	0	%100
9	M75	X	-3.804	-3.804	0	%100
10	M75	Z	2.196	2.196	0	%100
11	M78	X	-8.283	-8.283	0	%100
12	M78	Z	4.782	4.782	0	%100
13	M79	X	-2.071	-2.071	0	%100
14	M79	Z	1.196	1.196	0	%100
15	M84	X	-11.482	-11.482	0	%100
16	M84	Z	6.629	6.629	0	%100
17	M85	X	-3.874	-3.874	0	%100
18	M85	Z	2.237	2.237	0	%100
19	M87A	X	-4.015	-4.015	0	%100
20	M87A	Z	2.318	2.318	0	%100
21	M89A	X	-11.482	-11.482	0	%100
22	M89A	Z	6.629	6.629	0	%100
23	M90A	X	-15.497	-15.497	0	%100
24	M90A	Z	8.947	8.947	0	%100
25	M92	X	-16.06	-16.06	0	%100
26	M92	Z	9.272	9.272	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-7.643	-7.643	0	%100
30	M26	Z	4.413	4.413	0	%100
31	M27	X	-7.643	-7.643	0	%100
32	M27	Z	4.413	4.413	0	%100
33	M28	X	-15.215	-15.215	0	%100
34	M28	Z	8.784	8.784	0	%100
35	M31	X	-2.071	-2.071	0	%100
36	M31	Z	1.195	1.195	0	%100
37	M32	X	-2.071	-2.071	0	%100
38	M32	Z	1.196	1.196	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	-3.874	-3.874	0	%100
42	M38	Z	2.237	2.237	0	%100
43	M40	X	-4.015	-4.015	0	%100
44	M40	Z	2.318	2.318	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	-3.874	-3.874	0	%100
48	M43	Z	2.237	2.237	0	%100
49	M45	X	-4.015	-4.015	0	%100
50	M45	Z	2.318	2.318	0	%100
51	M47	X	-6.63	-6.63	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,%]
52	M47	Z	3.828	3.828	0	%100
53	M48	X	-1.911	-1.911	0	%100
54	M48	Z	1.103	1.103	0	%100
55	M49	X	-1.911	-1.911	0	%100
56	M49	Z	1.103	1.103	0	%100
57	M50	X	-3.804	-3.804	0	%100
58	M50	Z	2.196	2.196	0	%100
59	M53	X	-2.071	-2.071	0	%100
60	M53	Z	1.195	1.195	0	%100
61	M54	X	-8.284	-8.284	0	%100
62	M54	Z	4.783	4.783	0	%100
63	M59	X	-11.482	-11.482	0	%100
64	M59	Z	6.629	6.629	0	%100
65	M60	X	-15.497	-15.497	0	%100
66	M60	Z	8.947	8.947	0	%100
67	M62	X	-16.06	-16.06	0	%100
68	M62	Z	9.272	9.272	0	%100
69	M64	X	-11.482	-11.482	0	%100
70	M64	Z	6.629	6.629	0	%100
71	M65	X	-3.874	-3.874	0	%100
72	M65	Z	2.237	2.237	0	%100
73	M67	X	-4.015	-4.015	0	%100
74	M67	Z	2.318	2.318	0	%100
75	M68	X	-8.875	-8.875	0	%100
76	M68	Z	5.124	5.124	0	%100
77	M69	X	-2.219	-2.219	0	%100
78	M69	Z	1.281	1.281	0	%100
79	MP4A	X	-6.023	-6.023	0	%100
80	MP4A	Z	3.477	3.477	0	%100
81	MP3A	X	-6.023	-6.023	0	%100
82	MP3A	Z	3.477	3.477	0	%100
83	MP2A	X	-7.29	-7.29	0	%100
84	MP2A	Z	4.209	4.209	0	%100
85	MP1A	X	-6.023	-6.023	0	%100
86	MP1A	Z	3.477	3.477	0	%100
87	MP4C	X	-6.023	-6.023	0	%100
88	MP4C	Z	3.477	3.477	0	%100
89	MP3C	X	-6.023	-6.023	0	%100
90	MP3C	Z	3.477	3.477	0	%100
91	MP2C	X	-7.29	-7.29	0	%100
92	MP2C	Z	4.209	4.209	0	%100
93	MP1C	X	-6.023	-6.023	0	%100
94	MP1C	Z	3.477	3.477	0	%100
95	MP4B	X	-6.023	-6.023	0	%100
96	MP4B	Z	3.477	3.477	0	%100
97	MP3B	X	-6.023	-6.023	0	%100
98	MP3B	Z	3.477	3.477	0	%100
99	MP2B	X	-7.29	-7.29	0	%100
100	MP2B	Z	4.209	4.209	0	%100
101	MP1B	X	-6.023	-6.023	0	%100
102	MP1B	Z	3.477	3.477	0	%100
103	OVP	X	-5.488	-5.488	0	%100
104	OVP	Z	3.169	3.169	0	%100
105	M118	X	-8.211	-8.211	0	%100
106	M118	Z	4.741	4.741	0	%100
107	M119	X	-2.051	-2.051	0	%100
108	M119	Z	1.184	1.184	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,%]
109	M120	X	-2.053	-2.053	0	%100
110	M120	Z	1.185	1.185	0	%100
111	M119A	X	-1.823	-1.823	0	0
112	M119A	Z	1.052	1.052	0	0
113	M120A	X	-7.29	-7.29	0	0
114	M120A	Z	4.209	4.209	0	0
115	M121	X	-1.823	-1.823	0	0
116	M121	Z	1.052	1.052	0	0

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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M72A	X	-10.208	-10.208	0	%100
4	M72A	Z	0	0	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	0	0	0	%100
9	M75	X	0	0	0	%100
10	M75	Z	0	0	0	%100
11	M78	X	-7.173	-7.173	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	-7.174	-7.174	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	-17.677	-17.677	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	-13.42	-13.42	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	-13.908	-13.908	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	-17.677	-17.677	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	X	-13.42	-13.42	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	-13.908	-13.908	0	%100
26	M92	Z	0	0	0	%100
27	M25	X	-2.552	-2.552	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-6.619	-6.619	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-6.619	-6.619	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	-13.176	-13.176	0	%100
34	M28	Z	0	0	0	%100
35	M31	X	-7.173	-7.173	0	%100
36	M31	Z	0	0	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	0	0	0	%100
39	M37	X	-4.419	-4.419	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	-4.419	-4.419	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,%]
46	M42	Z	0	0	0	%100
47	M43	X	-13.42	-13.42	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	-13.908	-13.908	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	-2.552	-2.552	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	-6.619	-6.619	0	%100
54	M48	Z	0	0	0	%100
55	M49	X	-6.619	-6.619	0	%100
56	M49	Z	0	0	0	%100
57	M50	X	-13.176	-13.176	0	%100
58	M50	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	-7.174	-7.174	0	%100
62	M54	Z	0	0	0	%100
63	M59	X	-4.419	-4.419	0	%100
64	M59	Z	0	0	0	%100
65	M60	X	-13.42	-13.42	0	%100
66	M60	Z	0	0	0	%100
67	M62	X	-13.908	-13.908	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	-4.419	-4.419	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	0	0	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	0	0	0	%100
75	M68	X	-7.686	-7.686	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	-7.686	-7.686	0	%100
78	M69	Z	0	0	0	%100
79	MP4A	X	-6.954	-6.954	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	-6.954	-6.954	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	-8.418	-8.418	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	-6.954	-6.954	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	-6.954	-6.954	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	-6.954	-6.954	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	-8.418	-8.418	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-6.954	-6.954	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	-6.954	-6.954	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	-6.954	-6.954	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	-8.418	-8.418	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-6.954	-6.954	0	%100
102	MP1B	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,%]
103	OVP	X	-6.337	-6.337	0	%100
104	OVP	Z	0	0	0	%100
105	M118	X	-7.109	-7.109	0	%100
106	M118	Z	0	0	0	%100
107	M119	X	-1e-6	-1e-6	0	%100
108	M119	Z	0	0	0	%100
109	M120	X	-7.111	-7.111	0	%100
110	M120	Z	0	0	0	%100
111	M119A	X	0	0	0	0
112	M119A	Z	0	0	0	0
113	M120A	X	-6.314	-6.314	0	0
114	M120A	Z	0	0	0	0
115	M121	X	-6.314	-6.314	0	0
116	M121	Z	0	0	0	0

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	M20	X	-2.219	-2.219	0	%100
2	M20	Z	-1.281	-1.281	0	%100
3	M72A	X	-6.63	-6.63	0	%100
4	M72A	Z	-3.828	-3.828	0	%100
5	M73	X	-1.911	-1.911	0	%100
6	M73	Z	-1.103	-1.103	0	%100
7	M74	X	-1.911	-1.911	0	%100
8	M74	Z	-1.103	-1.103	0	%100
9	M75	X	-3.804	-3.804	0	%100
10	M75	Z	-2.196	-2.196	0	%100
11	M78	X	-2.071	-2.071	0	%100
12	M78	Z	-1.195	-1.195	0	%100
13	M79	X	-8.284	-8.284	0	%100
14	M79	Z	-4.783	-4.783	0	%100
15	M84	X	-11.482	-11.482	0	%100
16	M84	Z	-6.629	-6.629	0	%100
17	M85	X	-15.497	-15.497	0	%100
18	M85	Z	-8.947	-8.947	0	%100
19	M87A	X	-16.06	-16.06	0	%100
20	M87A	Z	-9.272	-9.272	0	%100
21	M89A	X	-11.482	-11.482	0	%100
22	M89A	Z	-6.629	-6.629	0	%100
23	M90A	X	-3.874	-3.874	0	%100
24	M90A	Z	-2.237	-2.237	0	%100
25	M92	X	-4.015	-4.015	0	%100
26	M92	Z	-2.318	-2.318	0	%100
27	M25	X	-6.63	-6.63	0	%100
28	M25	Z	-3.828	-3.828	0	%100
29	M26	X	-1.911	-1.911	0	%100
30	M26	Z	-1.103	-1.103	0	%100
31	M27	X	-1.911	-1.911	0	%100
32	M27	Z	-1.103	-1.103	0	%100
33	M28	X	-3.804	-3.804	0	%100
34	M28	Z	-2.196	-2.196	0	%100
35	M31	X	-8.283	-8.283	0	%100
36	M31	Z	-4.782	-4.782	0	%100
37	M32	X	-2.071	-2.071	0	%100
38	M32	Z	-1.196	-1.196	0	%100
39	M37	X	-11.482	-11.482	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,%]
40	M37	Z	-6.629	-6.629	0	%100
41	M38	X	-3.874	-3.874	0	%100
42	M38	Z	-2.237	-2.237	0	%100
43	M40	X	-4.015	-4.015	0	%100
44	M40	Z	-2.318	-2.318	0	%100
45	M42	X	-11.482	-11.482	0	%100
46	M42	Z	-6.629	-6.629	0	%100
47	M43	X	-15.497	-15.497	0	%100
48	M43	Z	-8.947	-8.947	0	%100
49	M45	X	-16.06	-16.06	0	%100
50	M45	Z	-9.272	-9.272	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	-7.643	-7.643	0	%100
54	M48	Z	-4.413	-4.413	0	%100
55	M49	X	-7.643	-7.643	0	%100
56	M49	Z	-4.413	-4.413	0	%100
57	M50	X	-15.215	-15.215	0	%100
58	M50	Z	-8.784	-8.784	0	%100
59	M53	X	-2.071	-2.071	0	%100
60	M53	Z	-1.195	-1.195	0	%100
61	M54	X	-2.071	-2.071	0	%100
62	M54	Z	-1.196	-1.196	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M60	X	-3.874	-3.874	0	%100
66	M60	Z	-2.237	-2.237	0	%100
67	M62	X	-4.015	-4.015	0	%100
68	M62	Z	-2.318	-2.318	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	-3.874	-3.874	0	%100
72	M65	Z	-2.237	-2.237	0	%100
73	M67	X	-4.015	-4.015	0	%100
74	M67	Z	-2.318	-2.318	0	%100
75	M68	X	-2.219	-2.219	0	%100
76	M68	Z	-1.281	-1.281	0	%100
77	M69	X	-8.875	-8.875	0	%100
78	M69	Z	-5.124	-5.124	0	%100
79	MP4A	X	-6.023	-6.023	0	%100
80	MP4A	Z	-3.477	-3.477	0	%100
81	MP3A	X	-6.023	-6.023	0	%100
82	MP3A	Z	-3.477	-3.477	0	%100
83	MP2A	X	-7.29	-7.29	0	%100
84	MP2A	Z	-4.209	-4.209	0	%100
85	MP1A	X	-6.023	-6.023	0	%100
86	MP1A	Z	-3.477	-3.477	0	%100
87	MP4C	X	-6.023	-6.023	0	%100
88	MP4C	Z	-3.477	-3.477	0	%100
89	MP3C	X	-6.023	-6.023	0	%100
90	MP3C	Z	-3.477	-3.477	0	%100
91	MP2C	X	-7.29	-7.29	0	%100
92	MP2C	Z	-4.209	-4.209	0	%100
93	MP1C	X	-6.023	-6.023	0	%100
94	MP1C	Z	-3.477	-3.477	0	%100
95	MP4B	X	-6.023	-6.023	0	%100
96	MP4B	Z	-3.477	-3.477	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,%]
97	MP3B	X	-6.023	-6.023	0	%100
98	MP3B	Z	-3.477	-3.477	0	%100
99	MP2B	X	-7.29	-7.29	0	%100
100	MP2B	Z	-4.209	-4.209	0	%100
101	MP1B	X	-6.023	-6.023	0	%100
102	MP1B	Z	-3.477	-3.477	0	%100
103	OVP	X	-5.488	-5.488	0	%100
104	OVP	Z	-3.169	-3.169	0	%100
105	M118	X	-2.051	-2.051	0	%100
106	M118	Z	-1.184	-1.184	0	%100
107	M119	X	-2.054	-2.054	0	%100
108	M119	Z	-1.186	-1.186	0	%100
109	M120	X	-8.211	-8.211	0	%100
110	M120	Z	-4.741	-4.741	0	%100
111	M119A	X	-1.823	-1.823	0	0
112	M119A	Z	-1.052	-1.052	0	0
113	M120A	X	-1.823	-1.823	0	0
114	M120A	Z	-1.052	-1.052	0	0
115	M121	X	-7.29	-7.29	0	0
116	M121	Z	-4.209	-4.209	0	0

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	M20	X	-3.843	-3.843	0	%100
2	M20	Z	-6.656	-6.656	0	%100
3	M72A	X	-1.276	-1.276	0	%100
4	M72A	Z	-2.21	-2.21	0	%100
5	M73	X	-3.31	-3.31	0	%100
6	M73	Z	-5.733	-5.733	0	%100
7	M74	X	-3.31	-3.31	0	%100
8	M74	Z	-5.733	-5.733	0	%100
9	M75	X	-6.588	-6.588	0	%100
10	M75	Z	-11.411	-11.411	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	-3.587	-3.587	0	%100
14	M79	Z	-6.213	-6.213	0	%100
15	M84	X	-2.21	-2.21	0	%100
16	M84	Z	-3.827	-3.827	0	%100
17	M85	X	-6.71	-6.71	0	%100
18	M85	Z	-11.622	-11.622	0	%100
19	M87A	X	-6.954	-6.954	0	%100
20	M87A	Z	-12.045	-12.045	0	%100
21	M89A	X	-2.21	-2.21	0	%100
22	M89A	Z	-3.827	-3.827	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	0	0	0	%100
27	M25	X	-5.104	-5.104	0	%100
28	M25	Z	-8.84	-8.84	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	0	0	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,%]
34	M28	Z	0	0	0	%100
35	M31	X	-3.586	-3.586	0	%100
36	M31	Z	-6.212	-6.212	0	%100
37	M32	X	-3.587	-3.587	0	%100
38	M32	Z	-6.213	-6.213	0	%100
39	M37	X	-8.839	-8.839	0	%100
40	M37	Z	-15.309	-15.309	0	%100
41	M38	X	-6.71	-6.71	0	%100
42	M38	Z	-11.622	-11.622	0	%100
43	M40	X	-6.954	-6.954	0	%100
44	M40	Z	-12.045	-12.045	0	%100
45	M42	X	-8.839	-8.839	0	%100
46	M42	Z	-15.309	-15.309	0	%100
47	M43	X	-6.71	-6.71	0	%100
48	M43	Z	-11.622	-11.622	0	%100
49	M45	X	-6.954	-6.954	0	%100
50	M45	Z	-12.045	-12.045	0	%100
51	M47	X	-1.276	-1.276	0	%100
52	M47	Z	-2.21	-2.21	0	%100
53	M48	X	-3.31	-3.31	0	%100
54	M48	Z	-5.733	-5.733	0	%100
55	M49	X	-3.31	-3.31	0	%100
56	M49	Z	-5.733	-5.733	0	%100
57	M50	X	-6.588	-6.588	0	%100
58	M50	Z	-11.411	-11.411	0	%100
59	M53	X	-3.586	-3.586	0	%100
60	M53	Z	-6.212	-6.212	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	0	0	0	%100
63	M59	X	-2.21	-2.21	0	%100
64	M59	Z	-3.827	-3.827	0	%100
65	M60	X	0	0	0	%100
66	M60	Z	0	0	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	-2.21	-2.21	0	%100
70	M64	Z	-3.827	-3.827	0	%100
71	M65	X	-6.71	-6.71	0	%100
72	M65	Z	-11.622	-11.622	0	%100
73	M67	X	-6.954	-6.954	0	%100
74	M67	Z	-12.045	-12.045	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	-3.843	-3.843	0	%100
78	M69	Z	-6.656	-6.656	0	%100
79	MP4A	X	-3.477	-3.477	0	%100
80	MP4A	Z	-6.023	-6.023	0	%100
81	MP3A	X	-3.477	-3.477	0	%100
82	MP3A	Z	-6.023	-6.023	0	%100
83	MP2A	X	-4.209	-4.209	0	%100
84	MP2A	Z	-7.29	-7.29	0	%100
85	MP1A	X	-3.477	-3.477	0	%100
86	MP1A	Z	-6.023	-6.023	0	%100
87	MP4C	X	-3.477	-3.477	0	%100
88	MP4C	Z	-6.023	-6.023	0	%100
89	MP3C	X	-3.477	-3.477	0	%100
90	MP3C	Z	-6.023	-6.023	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,%]
91	MP2C	X	-4.209	-4.209	0	%100
92	MP2C	Z	-7.29	-7.29	0	%100
93	MP1C	X	-3.477	-3.477	0	%100
94	MP1C	Z	-6.023	-6.023	0	%100
95	MP4B	X	-3.477	-3.477	0	%100
96	MP4B	Z	-6.023	-6.023	0	%100
97	MP3B	X	-3.477	-3.477	0	%100
98	MP3B	Z	-6.023	-6.023	0	%100
99	MP2B	X	-4.209	-4.209	0	%100
100	MP2B	Z	-7.29	-7.29	0	%100
101	MP1B	X	-3.477	-3.477	0	%100
102	MP1B	Z	-6.023	-6.023	0	%100
103	OVP	X	-3.169	-3.169	0	%100
104	OVP	Z	-5.488	-5.488	0	%100
105	M118	X	0	0	0	%100
106	M118	Z	-1e-6	-1e-6	0	%100
107	M119	X	-3.556	-3.556	0	%100
108	M119	Z	-6.16	-6.16	0	%100
109	M120	X	-3.555	-3.555	0	%100
110	M120	Z	-6.158	-6.158	0	%100
111	M119A	X	-3.157	-3.157	0	0
112	M119A	Z	-5.468	-5.468	0	0
113	M120A	X	0	0	0	0
114	M120A	Z	0	0	0	0
115	M121	X	-3.157	-3.157	0	0
116	M121	Z	-5.468	-5.468	0	0

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	M20	X	0	0	0	%100
2	M20	Z	-2.899	-2.899	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	-2.406	-2.406	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	-2.406	-2.406	0	%100
9	M75	X	0	0	0	%100
10	M75	Z	-3.775	-3.775	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	-.677	-.677	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	-.678	-.678	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	-.94	-.94	0	%100
19	M87A	X	0	0	0	%100
20	M87A	Z	-.968	-.968	0	%100
21	M89A	X	0	0	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	-.94	-.94	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	-.968	-.968	0	%100
27	M25	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M25	Z	-2.169	-2.169	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	-.601	-.601	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	-.601	-.601	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-.944	-.944	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	-.677	-.677	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	-2.71	-2.71	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-2.792	-2.792	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	-3.76	-3.76	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-3.873	-3.873	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-2.792	-2.792	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	-.94	-.94	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-.968	-.968	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-2.169	-2.169	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	-.601	-.601	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	-.601	-.601	0	%100
57	M50	X	0	0	0	%100
58	M50	Z	-.944	-.944	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	-2.71	-2.71	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	-.678	-.678	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	-2.792	-2.792	0	%100
65	M60	X	0	0	0	%100
66	M60	Z	-.94	-.94	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	-.968	-.968	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	-2.792	-2.792	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	-3.76	-3.76	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	-3.873	-3.873	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	-.725	-.725	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	-.725	-.725	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-2.328	-2.328	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	-2.328	-2.328	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-2.582	-2.582	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,%]
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-2.328	-2.328	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-2.328	-2.328	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-2.328	-2.328	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-2.582	-2.582	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-2.328	-2.328	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-2.328	-2.328	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-2.328	-2.328	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-2.582	-2.582	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-2.328	-2.328	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	-2.154	-2.154	0	%100
105	M118	X	0	0	0	%100
106	M118	Z	-.595	-.595	0	%100
107	M119	X	0	0	0	%100
108	M119	Z	-2.379	-2.379	0	%100
109	M120	X	0	0	0	%100
110	M120	Z	-.595	-.595	0	%100
111	M119A	X	0	0	0	0
112	M119A	Z	-2.582	-2.582	0	0
113	M120A	X	0	0	0	0
114	M120A	Z	-.645	-.645	0	0
115	M121	X	0	0	0	0
116	M121	Z	-.645	-.645	0	0

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	M20	X	1.087	1.087	0	%100
2	M20	Z	-1.883	-1.883	0	%100
3	M72A	X	.362	.362	0	%100
4	M72A	Z	-.626	-.626	0	%100
5	M73	X	.902	.902	0	%100
6	M73	Z	-1.563	-1.563	0	%100
7	M74	X	.902	.902	0	%100
8	M74	Z	-1.563	-1.563	0	%100
9	M75	X	1.416	1.416	0	%100
10	M75	Z	-2.452	-2.452	0	%100
11	M78	X	1.016	1.016	0	%100
12	M78	Z	-1.76	-1.76	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	.465	.465	0	%100
16	M84	Z	-.806	-.806	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	0	0	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	.465	.465	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,%]
22	M89A	Z	-.806	-.806	0	%100
23	M90A	X	1.41	1.41	0	%100
24	M90A	Z	-2.442	-2.442	0	%100
25	M92	X	1.452	1.452	0	%100
26	M92	Z	-2.516	-2.516	0	%100
27	M25	X	.362	.362	0	%100
28	M25	Z	-.626	-.626	0	%100
29	M26	X	.902	.902	0	%100
30	M26	Z	-1.563	-1.563	0	%100
31	M27	X	.902	.902	0	%100
32	M27	Z	-1.563	-1.563	0	%100
33	M28	X	1.416	1.416	0	%100
34	M28	Z	-2.452	-2.452	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	0	0	0	%100
37	M32	X	1.016	1.016	0	%100
38	M32	Z	-1.76	-1.76	0	%100
39	M37	X	.465	.465	0	%100
40	M37	Z	-.806	-.806	0	%100
41	M38	X	1.41	1.41	0	%100
42	M38	Z	-2.442	-2.442	0	%100
43	M40	X	1.452	1.452	0	%100
44	M40	Z	-2.516	-2.516	0	%100
45	M42	X	.465	.465	0	%100
46	M42	Z	-.806	-.806	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	1.446	1.446	0	%100
52	M47	Z	-2.505	-2.505	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	0	0	0	%100
57	M50	X	0	0	0	%100
58	M50	Z	0	0	0	%100
59	M53	X	1.016	1.016	0	%100
60	M53	Z	-1.76	-1.76	0	%100
61	M54	X	1.016	1.016	0	%100
62	M54	Z	-1.76	-1.76	0	%100
63	M59	X	1.861	1.861	0	%100
64	M59	Z	-3.224	-3.224	0	%100
65	M60	X	1.41	1.41	0	%100
66	M60	Z	-2.442	-2.442	0	%100
67	M62	X	1.452	1.452	0	%100
68	M62	Z	-2.516	-2.516	0	%100
69	M64	X	1.861	1.861	0	%100
70	M64	Z	-3.224	-3.224	0	%100
71	M65	X	1.41	1.41	0	%100
72	M65	Z	-2.442	-2.442	0	%100
73	M67	X	1.452	1.452	0	%100
74	M67	Z	-2.516	-2.516	0	%100
75	M68	X	1.087	1.087	0	%100
76	M68	Z	-1.883	-1.883	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	0	0	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,%]
79	MP4A	X	1.164	1.164	0	%100
80	MP4A	Z	-2.016	-2.016	0	%100
81	MP3A	X	1.164	1.164	0	%100
82	MP3A	Z	-2.016	-2.016	0	%100
83	MP2A	X	1.291	1.291	0	%100
84	MP2A	Z	-2.236	-2.236	0	%100
85	MP1A	X	1.164	1.164	0	%100
86	MP1A	Z	-2.016	-2.016	0	%100
87	MP4C	X	1.164	1.164	0	%100
88	MP4C	Z	-2.016	-2.016	0	%100
89	MP3C	X	1.164	1.164	0	%100
90	MP3C	Z	-2.016	-2.016	0	%100
91	MP2C	X	1.291	1.291	0	%100
92	MP2C	Z	-2.236	-2.236	0	%100
93	MP1C	X	1.164	1.164	0	%100
94	MP1C	Z	-2.016	-2.016	0	%100
95	MP4B	X	1.164	1.164	0	%100
96	MP4B	Z	-2.016	-2.016	0	%100
97	MP3B	X	1.164	1.164	0	%100
98	MP3B	Z	-2.016	-2.016	0	%100
99	MP2B	X	1.291	1.291	0	%100
100	MP2B	Z	-2.236	-2.236	0	%100
101	MP1B	X	1.164	1.164	0	%100
102	MP1B	Z	-2.016	-2.016	0	%100
103	OVP	X	1.077	1.077	0	%100
104	OVP	Z	-1.865	-1.865	0	%100
105	M118	X	.892	.892	0	%100
106	M118	Z	-1.545	-1.545	0	%100
107	M119	X	.892	.892	0	%100
108	M119	Z	-1.545	-1.545	0	%100
109	M120	X	0	0	0	%100
110	M120	Z	0	0	0	%100
111	M119A	X	.968	.968	0	0
112	M119A	Z	-1.677	-1.677	0	0
113	M120A	X	.968	.968	0	0
114	M120A	Z	-1.677	-1.677	0	0
115	M121	X	0	0	0	0
116	M121	Z	0	0	0	0

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	M20	X	.628	.628	0	%100
2	M20	Z	-.362	-.362	0	%100
3	M72A	X	1.879	1.879	0	%100
4	M72A	Z	-1.085	-1.085	0	%100
5	M73	X	.521	.521	0	%100
6	M73	Z	-.301	-.301	0	%100
7	M74	X	.521	.521	0	%100
8	M74	Z	-.301	-.301	0	%100
9	M75	X	.817	.817	0	%100
10	M75	Z	-.472	-.472	0	%100
11	M78	X	2.347	2.347	0	%100
12	M78	Z	-1.355	-1.355	0	%100
13	M79	X	.587	.587	0	%100
14	M79	Z	-.339	-.339	0	%100
15	M84	X	2.418	2.418	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,%]
16	M84	Z	-1.396	-1.396	0	%100
17	M85	X	.814	.814	0	%100
18	M85	Z	-.47	-.47	0	%100
19	M87A	X	.839	.839	0	%100
20	M87A	Z	-.484	-.484	0	%100
21	M89A	X	2.418	2.418	0	%100
22	M89A	Z	-1.396	-1.396	0	%100
23	M90A	X	3.256	3.256	0	%100
24	M90A	Z	-1.88	-1.88	0	%100
25	M92	X	3.354	3.354	0	%100
26	M92	Z	-1.937	-1.937	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	2.083	2.083	0	%100
30	M26	Z	-1.203	-1.203	0	%100
31	M27	X	2.083	2.083	0	%100
32	M27	Z	-1.203	-1.203	0	%100
33	M28	X	3.269	3.269	0	%100
34	M28	Z	-1.888	-1.888	0	%100
35	M31	X	.587	.587	0	%100
36	M31	Z	-.339	-.339	0	%100
37	M32	X	.587	.587	0	%100
38	M32	Z	-.339	-.339	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	.814	.814	0	%100
42	M38	Z	-.47	-.47	0	%100
43	M40	X	.839	.839	0	%100
44	M40	Z	-.484	-.484	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	.814	.814	0	%100
48	M43	Z	-.47	-.47	0	%100
49	M45	X	.839	.839	0	%100
50	M45	Z	-.484	-.484	0	%100
51	M47	X	1.879	1.879	0	%100
52	M47	Z	-1.085	-1.085	0	%100
53	M48	X	.521	.521	0	%100
54	M48	Z	-.301	-.301	0	%100
55	M49	X	.521	.521	0	%100
56	M49	Z	-.301	-.301	0	%100
57	M50	X	.817	.817	0	%100
58	M50	Z	-.472	-.472	0	%100
59	M53	X	.587	.587	0	%100
60	M53	Z	-.339	-.339	0	%100
61	M54	X	2.347	2.347	0	%100
62	M54	Z	-1.355	-1.355	0	%100
63	M59	X	2.418	2.418	0	%100
64	M59	Z	-1.396	-1.396	0	%100
65	M60	X	3.256	3.256	0	%100
66	M60	Z	-1.88	-1.88	0	%100
67	M62	X	3.354	3.354	0	%100
68	M62	Z	-1.937	-1.937	0	%100
69	M64	X	2.418	2.418	0	%100
70	M64	Z	-1.396	-1.396	0	%100
71	M65	X	.814	.814	0	%100
72	M65	Z	-.47	-.47	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,%]
73	M67	X	.839	.839	0	%100
74	M67	Z	-.484	-.484	0	%100
75	M68	X	2.511	2.511	0	%100
76	M68	Z	-1.45	-1.45	0	%100
77	M69	X	.628	.628	0	%100
78	M69	Z	-.362	-.362	0	%100
79	MP4A	X	2.016	2.016	0	%100
80	MP4A	Z	-1.164	-1.164	0	%100
81	MP3A	X	2.016	2.016	0	%100
82	MP3A	Z	-1.164	-1.164	0	%100
83	MP2A	X	2.236	2.236	0	%100
84	MP2A	Z	-1.291	-1.291	0	%100
85	MP1A	X	2.016	2.016	0	%100
86	MP1A	Z	-1.164	-1.164	0	%100
87	MP4C	X	2.016	2.016	0	%100
88	MP4C	Z	-1.164	-1.164	0	%100
89	MP3C	X	2.016	2.016	0	%100
90	MP3C	Z	-1.164	-1.164	0	%100
91	MP2C	X	2.236	2.236	0	%100
92	MP2C	Z	-1.291	-1.291	0	%100
93	MP1C	X	2.016	2.016	0	%100
94	MP1C	Z	-1.164	-1.164	0	%100
95	MP4B	X	2.016	2.016	0	%100
96	MP4B	Z	-1.164	-1.164	0	%100
97	MP3B	X	2.016	2.016	0	%100
98	MP3B	Z	-1.164	-1.164	0	%100
99	MP2B	X	2.236	2.236	0	%100
100	MP2B	Z	-1.291	-1.291	0	%100
101	MP1B	X	2.016	2.016	0	%100
102	MP1B	Z	-1.164	-1.164	0	%100
103	OVP	X	1.865	1.865	0	%100
104	OVP	Z	-1.077	-1.077	0	%100
105	M118	X	2.06	2.06	0	%100
106	M118	Z	-1.189	-1.189	0	%100
107	M119	X	.515	.515	0	%100
108	M119	Z	-.297	-.297	0	%100
109	M120	X	.515	.515	0	%100
110	M120	Z	-.297	-.297	0	%100
111	M119A	X	.559	.559	0	0
112	M119A	Z	-.323	-.323	0	0
113	M120A	X	2.236	2.236	0	0
114	M120A	Z	-1.291	-1.291	0	0
115	M121	X	.559	.559	0	0
116	M121	Z	-.323	-.323	0	0

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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M72A	X	2.892	2.892	0	%100
4	M72A	Z	0	0	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	0	0	0	%100
9	M75	X	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,%]
10	M75	Z	0	0	0	%100
11	M78	X	2.032	2.032	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	2.033	2.033	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	3.722	3.722	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	2.82	2.82	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	2.905	2.905	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	3.722	3.722	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	X	2.82	2.82	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	2.905	2.905	0	%100
26	M92	Z	0	0	0	%100
27	M25	X	.723	.723	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	1.804	1.804	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	1.804	1.804	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	2.831	2.831	0	%100
34	M28	Z	0	0	0	%100
35	M31	X	2.032	2.032	0	%100
36	M31	Z	0	0	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	0	0	0	%100
39	M37	X	.931	.931	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	.931	.931	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	2.82	2.82	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	2.905	2.905	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	.723	.723	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	1.804	1.804	0	%100
54	M48	Z	0	0	0	%100
55	M49	X	1.804	1.804	0	%100
56	M49	Z	0	0	0	%100
57	M50	X	2.831	2.831	0	%100
58	M50	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	2.033	2.033	0	%100
62	M54	Z	0	0	0	%100
63	M59	X	.931	.931	0	%100
64	M59	Z	0	0	0	%100
65	M60	X	2.82	2.82	0	%100
66	M60	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,%]
67	M62	X	2.905	2.905	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	.931	.931	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	0	0	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	0	0	0	%100
75	M68	X	2.175	2.175	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	2.175	2.175	0	%100
78	M69	Z	0	0	0	%100
79	MP4A	X	2.328	2.328	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	2.328	2.328	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	2.582	2.582	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	2.328	2.328	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	2.328	2.328	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	2.328	2.328	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	2.582	2.582	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	2.328	2.328	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	2.328	2.328	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	2.328	2.328	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	2.582	2.582	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	2.328	2.328	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	2.154	2.154	0	%100
104	OVP	Z	0	0	0	%100
105	M118	X	1.784	1.784	0	%100
106	M118	Z	0	0	0	%100
107	M119	X	0	0	0	%100
108	M119	Z	0	0	0	%100
109	M120	X	1.784	1.784	0	%100
110	M120	Z	0	0	0	%100
111	M119A	X	0	0	0	0
112	M119A	Z	0	0	0	0
113	M120A	X	1.936	1.936	0	0
114	M120A	Z	0	0	0	0
115	M121	X	1.936	1.936	0	0
116	M121	Z	0	0	0	0

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	M20	X	.628	.628	0	%100
2	M20	Z	.362	.362	0	%100
3	M72A	X	1.879	1.879	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,%]
4	M72A	Z	1.085	1.085	0	%100
5	M73	X	.521	.521	0	%100
6	M73	Z	.301	.301	0	%100
7	M74	X	.521	.521	0	%100
8	M74	Z	.301	.301	0	%100
9	M75	X	.817	.817	0	%100
10	M75	Z	.472	.472	0	%100
11	M78	X	.587	.587	0	%100
12	M78	Z	.339	.339	0	%100
13	M79	X	2.347	2.347	0	%100
14	M79	Z	1.355	1.355	0	%100
15	M84	X	2.418	2.418	0	%100
16	M84	Z	1.396	1.396	0	%100
17	M85	X	3.256	3.256	0	%100
18	M85	Z	1.88	1.88	0	%100
19	M87A	X	3.354	3.354	0	%100
20	M87A	Z	1.937	1.937	0	%100
21	M89A	X	2.418	2.418	0	%100
22	M89A	Z	1.396	1.396	0	%100
23	M90A	X	.814	.814	0	%100
24	M90A	Z	.47	.47	0	%100
25	M92	X	.839	.839	0	%100
26	M92	Z	.484	.484	0	%100
27	M25	X	1.879	1.879	0	%100
28	M25	Z	1.085	1.085	0	%100
29	M26	X	.521	.521	0	%100
30	M26	Z	.301	.301	0	%100
31	M27	X	.521	.521	0	%100
32	M27	Z	.301	.301	0	%100
33	M28	X	.817	.817	0	%100
34	M28	Z	.472	.472	0	%100
35	M31	X	2.347	2.347	0	%100
36	M31	Z	1.355	1.355	0	%100
37	M32	X	.587	.587	0	%100
38	M32	Z	.339	.339	0	%100
39	M37	X	2.418	2.418	0	%100
40	M37	Z	1.396	1.396	0	%100
41	M38	X	.814	.814	0	%100
42	M38	Z	.47	.47	0	%100
43	M40	X	.839	.839	0	%100
44	M40	Z	.484	.484	0	%100
45	M42	X	2.418	2.418	0	%100
46	M42	Z	1.396	1.396	0	%100
47	M43	X	3.256	3.256	0	%100
48	M43	Z	1.88	1.88	0	%100
49	M45	X	3.354	3.354	0	%100
50	M45	Z	1.937	1.937	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	2.083	2.083	0	%100
54	M48	Z	1.203	1.203	0	%100
55	M49	X	2.083	2.083	0	%100
56	M49	Z	1.203	1.203	0	%100
57	M50	X	3.269	3.269	0	%100
58	M50	Z	1.888	1.888	0	%100
59	M53	X	.587	.587	0	%100
60	M53	Z	.339	.339	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,%]
61	M54	X	.587	.587	0	%100
62	M54	Z	.339	.339	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M60	X	.814	.814	0	%100
66	M60	Z	.47	.47	0	%100
67	M62	X	.839	.839	0	%100
68	M62	Z	.484	.484	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	.814	.814	0	%100
72	M65	Z	.47	.47	0	%100
73	M67	X	.839	.839	0	%100
74	M67	Z	.484	.484	0	%100
75	M68	X	.628	.628	0	%100
76	M68	Z	.362	.362	0	%100
77	M69	X	2.511	2.511	0	%100
78	M69	Z	1.45	1.45	0	%100
79	MP4A	X	2.016	2.016	0	%100
80	MP4A	Z	1.164	1.164	0	%100
81	MP3A	X	2.016	2.016	0	%100
82	MP3A	Z	1.164	1.164	0	%100
83	MP2A	X	2.236	2.236	0	%100
84	MP2A	Z	1.291	1.291	0	%100
85	MP1A	X	2.016	2.016	0	%100
86	MP1A	Z	1.164	1.164	0	%100
87	MP4C	X	2.016	2.016	0	%100
88	MP4C	Z	1.164	1.164	0	%100
89	MP3C	X	2.016	2.016	0	%100
90	MP3C	Z	1.164	1.164	0	%100
91	MP2C	X	2.236	2.236	0	%100
92	MP2C	Z	1.291	1.291	0	%100
93	MP1C	X	2.016	2.016	0	%100
94	MP1C	Z	1.164	1.164	0	%100
95	MP4B	X	2.016	2.016	0	%100
96	MP4B	Z	1.164	1.164	0	%100
97	MP3B	X	2.016	2.016	0	%100
98	MP3B	Z	1.164	1.164	0	%100
99	MP2B	X	2.236	2.236	0	%100
100	MP2B	Z	1.291	1.291	0	%100
101	MP1B	X	2.016	2.016	0	%100
102	MP1B	Z	1.164	1.164	0	%100
103	OVP	X	1.865	1.865	0	%100
104	OVP	Z	1.077	1.077	0	%100
105	M118	X	.515	.515	0	%100
106	M118	Z	.297	.297	0	%100
107	M119	X	.515	.515	0	%100
108	M119	Z	.298	.298	0	%100
109	M120	X	2.06	2.06	0	%100
110	M120	Z	1.189	1.189	0	%100
111	M119A	X	.559	.559	0	0
112	M119A	Z	.323	.323	0	0
113	M120A	X	.559	.559	0	0
114	M120A	Z	.323	.323	0	0
115	M121	X	2.236	2.236	0	0
116	M121	Z	1.291	1.291	0	0

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	M20	X	1.087	1.087	0	%100
2	M20	Z	1.883	1.883	0	%100
3	M72A	X	.362	.362	0	%100
4	M72A	Z	.626	.626	0	%100
5	M73	X	.902	.902	0	%100
6	M73	Z	1.563	1.563	0	%100
7	M74	X	.902	.902	0	%100
8	M74	Z	1.563	1.563	0	%100
9	M75	X	1.416	1.416	0	%100
10	M75	Z	2.452	2.452	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	1.016	1.016	0	%100
14	M79	Z	1.76	1.76	0	%100
15	M84	X	.465	.465	0	%100
16	M84	Z	.806	.806	0	%100
17	M85	X	1.41	1.41	0	%100
18	M85	Z	2.442	2.442	0	%100
19	M87A	X	1.452	1.452	0	%100
20	M87A	Z	2.516	2.516	0	%100
21	M89A	X	.465	.465	0	%100
22	M89A	Z	.806	.806	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	0	0	0	%100
27	M25	X	1.446	1.446	0	%100
28	M25	Z	2.505	2.505	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M31	X	1.016	1.016	0	%100
36	M31	Z	1.76	1.76	0	%100
37	M32	X	1.016	1.016	0	%100
38	M32	Z	1.76	1.76	0	%100
39	M37	X	1.861	1.861	0	%100
40	M37	Z	3.224	3.224	0	%100
41	M38	X	1.41	1.41	0	%100
42	M38	Z	2.442	2.442	0	%100
43	M40	X	1.452	1.452	0	%100
44	M40	Z	2.516	2.516	0	%100
45	M42	X	1.861	1.861	0	%100
46	M42	Z	3.224	3.224	0	%100
47	M43	X	1.41	1.41	0	%100
48	M43	Z	2.442	2.442	0	%100
49	M45	X	1.452	1.452	0	%100
50	M45	Z	2.516	2.516	0	%100
51	M47	X	.362	.362	0	%100
52	M47	Z	.626	.626	0	%100
53	M48	X	.902	.902	0	%100
54	M48	Z	1.563	1.563	0	%100
55	M49	X	.902	.902	0	%100
56	M49	Z	1.563	1.563	0	%100
57	M50	X	1.416	1.416	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,%]
58	M50	Z	2.452	2.452	0	%100
59	M53	X	1.016	1.016	0	%100
60	M53	Z	1.76	1.76	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	0	0	0	%100
63	M59	X	.465	.465	0	%100
64	M59	Z	.806	.806	0	%100
65	M60	X	0	0	0	%100
66	M60	Z	0	0	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	.465	.465	0	%100
70	M64	Z	.806	.806	0	%100
71	M65	X	1.41	1.41	0	%100
72	M65	Z	2.442	2.442	0	%100
73	M67	X	1.452	1.452	0	%100
74	M67	Z	2.516	2.516	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	1.087	1.087	0	%100
78	M69	Z	1.883	1.883	0	%100
79	MP4A	X	1.164	1.164	0	%100
80	MP4A	Z	2.016	2.016	0	%100
81	MP3A	X	1.164	1.164	0	%100
82	MP3A	Z	2.016	2.016	0	%100
83	MP2A	X	1.291	1.291	0	%100
84	MP2A	Z	2.236	2.236	0	%100
85	MP1A	X	1.164	1.164	0	%100
86	MP1A	Z	2.016	2.016	0	%100
87	MP4C	X	1.164	1.164	0	%100
88	MP4C	Z	2.016	2.016	0	%100
89	MP3C	X	1.164	1.164	0	%100
90	MP3C	Z	2.016	2.016	0	%100
91	MP2C	X	1.291	1.291	0	%100
92	MP2C	Z	2.236	2.236	0	%100
93	MP1C	X	1.164	1.164	0	%100
94	MP1C	Z	2.016	2.016	0	%100
95	MP4B	X	1.164	1.164	0	%100
96	MP4B	Z	2.016	2.016	0	%100
97	MP3B	X	1.164	1.164	0	%100
98	MP3B	Z	2.016	2.016	0	%100
99	MP2B	X	1.291	1.291	0	%100
100	MP2B	Z	2.236	2.236	0	%100
101	MP1B	X	1.164	1.164	0	%100
102	MP1B	Z	2.016	2.016	0	%100
103	OVP	X	1.077	1.077	0	%100
104	OVP	Z	1.865	1.865	0	%100
105	M118	X	0	0	0	%100
106	M118	Z	0	0	0	%100
107	M119	X	.892	.892	0	%100
108	M119	Z	1.545	1.545	0	%100
109	M120	X	.892	.892	0	%100
110	M120	Z	1.545	1.545	0	%100
111	M119A	X	.968	.968	0	0
112	M119A	Z	1.677	1.677	0	0
113	M120A	X	0	0	0	0
114	M120A	Z	0	0	0	0

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,%]
115	M121	X	.968	.968	0	0
116	M121	Z	1.677	1.677	0	0

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	M20	X	0	0	0	%100
2	M20	Z	2.899	2.899	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	2.406	2.406	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	2.406	2.406	0	%100
9	M75	X	0	0	0	%100
10	M75	Z	3.775	3.775	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	.677	.677	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	.678	.678	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	.94	.94	0	%100
19	M87A	X	0	0	0	%100
20	M87A	Z	.968	.968	0	%100
21	M89A	X	0	0	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	.94	.94	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	.968	.968	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	2.169	2.169	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	.601	.601	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	.601	.601	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	.944	.944	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	.677	.677	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	2.71	2.71	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	2.792	2.792	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	3.76	3.76	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	3.873	3.873	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	2.792	2.792	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	.94	.94	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	.968	.968	0	%100
51	M47	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M47	Z	2.169	2.169	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	.601	.601	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	.601	.601	0	%100
57	M50	X	0	0	0	%100
58	M50	Z	.944	.944	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	2.71	2.71	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	.678	.678	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	2.792	2.792	0	%100
65	M60	X	0	0	0	%100
66	M60	Z	.94	.94	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	.968	.968	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	2.792	2.792	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	3.76	3.76	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	3.873	3.873	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	.725	.725	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	.725	.725	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	2.328	2.328	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	2.328	2.328	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	2.582	2.582	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	2.328	2.328	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	2.328	2.328	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	2.328	2.328	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	2.582	2.582	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	2.328	2.328	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	2.328	2.328	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	2.328	2.328	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	2.582	2.582	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	2.328	2.328	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	2.154	2.154	0	%100
105	M118	X	0	0	0	%100
106	M118	Z	.595	.595	0	%100
107	M119	X	0	0	0	%100
108	M119	Z	2.379	2.379	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,%]
109	M120	X	0	0	0	%100
110	M120	Z	.595	.595	0	%100
111	M119A	X	0	0	0	0
112	M119A	Z	2.582	2.582	0	0
113	M120A	X	0	0	0	0
114	M120A	Z	.645	.645	0	0
115	M121	X	0	0	0	0
116	M121	Z	.645	.645	0	0

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	M20	X	-1.087	-1.087	0	%100
2	M20	Z	1.883	1.883	0	%100
3	M72A	X	-.362	-.362	0	%100
4	M72A	Z	.626	.626	0	%100
5	M73	X	-.902	-.902	0	%100
6	M73	Z	1.563	1.563	0	%100
7	M74	X	-.902	-.902	0	%100
8	M74	Z	1.563	1.563	0	%100
9	M75	X	-1.416	-1.416	0	%100
10	M75	Z	2.452	2.452	0	%100
11	M78	X	-1.016	-1.016	0	%100
12	M78	Z	1.76	1.76	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	-.465	-.465	0	%100
16	M84	Z	.806	.806	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	0	0	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	-.465	-.465	0	%100
22	M89A	Z	.806	.806	0	%100
23	M90A	X	-1.41	-1.41	0	%100
24	M90A	Z	2.442	2.442	0	%100
25	M92	X	-1.452	-1.452	0	%100
26	M92	Z	2.516	2.516	0	%100
27	M25	X	-.362	-.362	0	%100
28	M25	Z	.626	.626	0	%100
29	M26	X	-.902	-.902	0	%100
30	M26	Z	1.563	1.563	0	%100
31	M27	X	-.902	-.902	0	%100
32	M27	Z	1.563	1.563	0	%100
33	M28	X	-1.416	-1.416	0	%100
34	M28	Z	2.452	2.452	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	0	0	0	%100
37	M32	X	-1.016	-1.016	0	%100
38	M32	Z	1.76	1.76	0	%100
39	M37	X	-.465	-.465	0	%100
40	M37	Z	.806	.806	0	%100
41	M38	X	-1.41	-1.41	0	%100
42	M38	Z	2.442	2.442	0	%100
43	M40	X	-1.452	-1.452	0	%100
44	M40	Z	2.516	2.516	0	%100
45	M42	X	-.465	-.465	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,%]
46	M42	Z	.806	.806	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	-1.446	-1.446	0	%100
52	M47	Z	2.505	2.505	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	0	0	0	%100
57	M50	X	0	0	0	%100
58	M50	Z	0	0	0	%100
59	M53	X	-1.016	-1.016	0	%100
60	M53	Z	1.76	1.76	0	%100
61	M54	X	-1.016	-1.016	0	%100
62	M54	Z	1.76	1.76	0	%100
63	M59	X	-1.861	-1.861	0	%100
64	M59	Z	3.224	3.224	0	%100
65	M60	X	-1.41	-1.41	0	%100
66	M60	Z	2.442	2.442	0	%100
67	M62	X	-1.452	-1.452	0	%100
68	M62	Z	2.516	2.516	0	%100
69	M64	X	-1.861	-1.861	0	%100
70	M64	Z	3.224	3.224	0	%100
71	M65	X	-1.41	-1.41	0	%100
72	M65	Z	2.442	2.442	0	%100
73	M67	X	-1.452	-1.452	0	%100
74	M67	Z	2.516	2.516	0	%100
75	M68	X	-1.087	-1.087	0	%100
76	M68	Z	1.883	1.883	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	0	0	0	%100
79	MP4A	X	-1.164	-1.164	0	%100
80	MP4A	Z	2.016	2.016	0	%100
81	MP3A	X	-1.164	-1.164	0	%100
82	MP3A	Z	2.016	2.016	0	%100
83	MP2A	X	-1.291	-1.291	0	%100
84	MP2A	Z	2.236	2.236	0	%100
85	MP1A	X	-1.164	-1.164	0	%100
86	MP1A	Z	2.016	2.016	0	%100
87	MP4C	X	-1.164	-1.164	0	%100
88	MP4C	Z	2.016	2.016	0	%100
89	MP3C	X	-1.164	-1.164	0	%100
90	MP3C	Z	2.016	2.016	0	%100
91	MP2C	X	-1.291	-1.291	0	%100
92	MP2C	Z	2.236	2.236	0	%100
93	MP1C	X	-1.164	-1.164	0	%100
94	MP1C	Z	2.016	2.016	0	%100
95	MP4B	X	-1.164	-1.164	0	%100
96	MP4B	Z	2.016	2.016	0	%100
97	MP3B	X	-1.164	-1.164	0	%100
98	MP3B	Z	2.016	2.016	0	%100
99	MP2B	X	-1.291	-1.291	0	%100
100	MP2B	Z	2.236	2.236	0	%100
101	MP1B	X	-1.164	-1.164	0	%100
102	MP1B	Z	2.016	2.016	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,%]
103	OVP	X	-1.077	-1.077	0	%100
104	OVP	Z	1.865	1.865	0	%100
105	M118	X	-.892	-.892	0	%100
106	M118	Z	1.545	1.545	0	%100
107	M119	X	-.892	-.892	0	%100
108	M119	Z	1.545	1.545	0	%100
109	M120	X	0	0	0	%100
110	M120	Z	0	0	0	%100
111	M119A	X	-.968	-.968	0	0
112	M119A	Z	1.677	1.677	0	0
113	M120A	X	-.968	-.968	0	0
114	M120A	Z	1.677	1.677	0	0
115	M121	X	0	0	0	0
116	M121	Z	0	0	0	0

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	M20	X	-.628	-.628	0	%100
2	M20	Z	.362	.362	0	%100
3	M72A	X	-1.879	-1.879	0	%100
4	M72A	Z	1.085	1.085	0	%100
5	M73	X	-.521	-.521	0	%100
6	M73	Z	.301	.301	0	%100
7	M74	X	-.521	-.521	0	%100
8	M74	Z	.301	.301	0	%100
9	M75	X	-.817	-.817	0	%100
10	M75	Z	.472	.472	0	%100
11	M78	X	-2.347	-2.347	0	%100
12	M78	Z	1.355	1.355	0	%100
13	M79	X	-.587	-.587	0	%100
14	M79	Z	.339	.339	0	%100
15	M84	X	-2.418	-2.418	0	%100
16	M84	Z	1.396	1.396	0	%100
17	M85	X	-.814	-.814	0	%100
18	M85	Z	.47	.47	0	%100
19	M87A	X	-.839	-.839	0	%100
20	M87A	Z	.484	.484	0	%100
21	M89A	X	-2.418	-2.418	0	%100
22	M89A	Z	1.396	1.396	0	%100
23	M90A	X	-3.256	-3.256	0	%100
24	M90A	Z	1.88	1.88	0	%100
25	M92	X	-3.354	-3.354	0	%100
26	M92	Z	1.937	1.937	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-2.083	-2.083	0	%100
30	M26	Z	1.203	1.203	0	%100
31	M27	X	-2.083	-2.083	0	%100
32	M27	Z	1.203	1.203	0	%100
33	M28	X	-3.269	-3.269	0	%100
34	M28	Z	1.888	1.888	0	%100
35	M31	X	-.587	-.587	0	%100
36	M31	Z	.339	.339	0	%100
37	M32	X	-.587	-.587	0	%100
38	M32	Z	.339	.339	0	%100
39	M37	X	0	0	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,%]
40	M37	Z	0	0	0	%100
41	M38	X	-.814	-.814	0	%100
42	M38	Z	.47	.47	0	%100
43	M40	X	-.839	-.839	0	%100
44	M40	Z	.484	.484	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	-.814	-.814	0	%100
48	M43	Z	.47	.47	0	%100
49	M45	X	-.839	-.839	0	%100
50	M45	Z	.484	.484	0	%100
51	M47	X	-1.879	-1.879	0	%100
52	M47	Z	1.085	1.085	0	%100
53	M48	X	-.521	-.521	0	%100
54	M48	Z	.301	.301	0	%100
55	M49	X	-.521	-.521	0	%100
56	M49	Z	.301	.301	0	%100
57	M50	X	-.817	-.817	0	%100
58	M50	Z	.472	.472	0	%100
59	M53	X	-.587	-.587	0	%100
60	M53	Z	.339	.339	0	%100
61	M54	X	-2.347	-2.347	0	%100
62	M54	Z	1.355	1.355	0	%100
63	M59	X	-2.418	-2.418	0	%100
64	M59	Z	1.396	1.396	0	%100
65	M60	X	-3.256	-3.256	0	%100
66	M60	Z	1.88	1.88	0	%100
67	M62	X	-3.354	-3.354	0	%100
68	M62	Z	1.937	1.937	0	%100
69	M64	X	-2.418	-2.418	0	%100
70	M64	Z	1.396	1.396	0	%100
71	M65	X	-.814	-.814	0	%100
72	M65	Z	.47	.47	0	%100
73	M67	X	-.839	-.839	0	%100
74	M67	Z	.484	.484	0	%100
75	M68	X	-2.511	-2.511	0	%100
76	M68	Z	1.45	1.45	0	%100
77	M69	X	-.628	-.628	0	%100
78	M69	Z	.362	.362	0	%100
79	MP4A	X	-2.016	-2.016	0	%100
80	MP4A	Z	1.164	1.164	0	%100
81	MP3A	X	-2.016	-2.016	0	%100
82	MP3A	Z	1.164	1.164	0	%100
83	MP2A	X	-2.236	-2.236	0	%100
84	MP2A	Z	1.291	1.291	0	%100
85	MP1A	X	-2.016	-2.016	0	%100
86	MP1A	Z	1.164	1.164	0	%100
87	MP4C	X	-2.016	-2.016	0	%100
88	MP4C	Z	1.164	1.164	0	%100
89	MP3C	X	-2.016	-2.016	0	%100
90	MP3C	Z	1.164	1.164	0	%100
91	MP2C	X	-2.236	-2.236	0	%100
92	MP2C	Z	1.291	1.291	0	%100
93	MP1C	X	-2.016	-2.016	0	%100
94	MP1C	Z	1.164	1.164	0	%100
95	MP4B	X	-2.016	-2.016	0	%100
96	MP4B	Z	1.164	1.164	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,%]
97	MP3B	X	-2.016	-2.016	0	%100
98	MP3B	Z	1.164	1.164	0	%100
99	MP2B	X	-2.236	-2.236	0	%100
100	MP2B	Z	1.291	1.291	0	%100
101	MP1B	X	-2.016	-2.016	0	%100
102	MP1B	Z	1.164	1.164	0	%100
103	OVP	X	-1.865	-1.865	0	%100
104	OVP	Z	1.077	1.077	0	%100
105	M118	X	-2.06	-2.06	0	%100
106	M118	Z	1.189	1.189	0	%100
107	M119	X	-.515	-.515	0	%100
108	M119	Z	.297	.297	0	%100
109	M120	X	-.515	-.515	0	%100
110	M120	Z	.297	.297	0	%100
111	M119A	X	-.559	-.559	0	0
112	M119A	Z	.323	.323	0	0
113	M120A	X	-2.236	-2.236	0	0
114	M120A	Z	1.291	1.291	0	0
115	M121	X	-.559	-.559	0	0
116	M121	Z	.323	.323	0	0

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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M72A	X	-2.892	-2.892	0	%100
4	M72A	Z	0	0	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	0	0	0	%100
9	M75	X	0	0	0	%100
10	M75	Z	0	0	0	%100
11	M78	X	-2.032	-2.032	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	-2.033	-2.033	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	-3.722	-3.722	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	-2.82	-2.82	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	-2.905	-2.905	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	-3.722	-3.722	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	X	-2.82	-2.82	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	-2.905	-2.905	0	%100
26	M92	Z	0	0	0	%100
27	M25	X	-.723	-.723	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-1.804	-1.804	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-1.804	-1.804	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	-2.831	-2.831	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,%]
34	M28	Z	0	0	0	%100
35	M31	X	-2.032	-2.032	0	%100
36	M31	Z	0	0	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	0	0	0	%100
39	M37	X	-.931	-.931	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	-.931	-.931	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	-2.82	-2.82	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	-2.905	-2.905	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	-.723	-.723	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	-1.804	-1.804	0	%100
54	M48	Z	0	0	0	%100
55	M49	X	-1.804	-1.804	0	%100
56	M49	Z	0	0	0	%100
57	M50	X	-2.831	-2.831	0	%100
58	M50	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	-2.033	-2.033	0	%100
62	M54	Z	0	0	0	%100
63	M59	X	-.931	-.931	0	%100
64	M59	Z	0	0	0	%100
65	M60	X	-2.82	-2.82	0	%100
66	M60	Z	0	0	0	%100
67	M62	X	-2.905	-2.905	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	-.931	-.931	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	0	0	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	0	0	0	%100
75	M68	X	-2.175	-2.175	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	-2.175	-2.175	0	%100
78	M69	Z	0	0	0	%100
79	MP4A	X	-2.328	-2.328	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	-2.328	-2.328	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	-2.582	-2.582	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	-2.328	-2.328	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	-2.328	-2.328	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	-2.328	-2.328	0	%100
90	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,%]
91	MP2C	X	-2.582	-2.582	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-2.328	-2.328	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	-2.328	-2.328	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	-2.328	-2.328	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	-2.582	-2.582	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-2.328	-2.328	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	-2.154	-2.154	0	%100
104	OVP	Z	0	0	0	%100
105	M118	X	-1.784	-1.784	0	%100
106	M118	Z	0	0	0	%100
107	M119	X	0	0	0	%100
108	M119	Z	0	0	0	%100
109	M120	X	-1.784	-1.784	0	%100
110	M120	Z	0	0	0	%100
111	M119A	X	0	0	0	0
112	M119A	Z	0	0	0	0
113	M120A	X	-1.936	-1.936	0	0
114	M120A	Z	0	0	0	0
115	M121	X	-1.936	-1.936	0	0
116	M121	Z	0	0	0	0

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	M20	X	-.628	-.628	0	%100
2	M20	Z	-.362	-.362	0	%100
3	M72A	X	-1.879	-1.879	0	%100
4	M72A	Z	-1.085	-1.085	0	%100
5	M73	X	-.521	-.521	0	%100
6	M73	Z	-.301	-.301	0	%100
7	M74	X	-.521	-.521	0	%100
8	M74	Z	-.301	-.301	0	%100
9	M75	X	-.817	-.817	0	%100
10	M75	Z	-.472	-.472	0	%100
11	M78	X	-.587	-.587	0	%100
12	M78	Z	-.339	-.339	0	%100
13	M79	X	-2.347	-2.347	0	%100
14	M79	Z	-1.355	-1.355	0	%100
15	M84	X	-2.418	-2.418	0	%100
16	M84	Z	-1.396	-1.396	0	%100
17	M85	X	-3.256	-3.256	0	%100
18	M85	Z	-1.88	-1.88	0	%100
19	M87A	X	-3.354	-3.354	0	%100
20	M87A	Z	-1.937	-1.937	0	%100
21	M89A	X	-2.418	-2.418	0	%100
22	M89A	Z	-1.396	-1.396	0	%100
23	M90A	X	-.814	-.814	0	%100
24	M90A	Z	-.47	-.47	0	%100
25	M92	X	-.839	-.839	0	%100
26	M92	Z	-.484	-.484	0	%100
27	M25	X	-1.879	-1.879	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,%]
28	M25	Z	-1.085	-1.085	0	%100
29	M26	X	-.521	-.521	0	%100
30	M26	Z	-.301	-.301	0	%100
31	M27	X	-.521	-.521	0	%100
32	M27	Z	-.301	-.301	0	%100
33	M28	X	-.817	-.817	0	%100
34	M28	Z	-.472	-.472	0	%100
35	M31	X	-2.347	-2.347	0	%100
36	M31	Z	-1.355	-1.355	0	%100
37	M32	X	-.587	-.587	0	%100
38	M32	Z	-.339	-.339	0	%100
39	M37	X	-2.418	-2.418	0	%100
40	M37	Z	-1.396	-1.396	0	%100
41	M38	X	-.814	-.814	0	%100
42	M38	Z	-.47	-.47	0	%100
43	M40	X	-.839	-.839	0	%100
44	M40	Z	-.484	-.484	0	%100
45	M42	X	-2.418	-2.418	0	%100
46	M42	Z	-1.396	-1.396	0	%100
47	M43	X	-3.256	-3.256	0	%100
48	M43	Z	-1.88	-1.88	0	%100
49	M45	X	-3.354	-3.354	0	%100
50	M45	Z	-1.937	-1.937	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	-2.083	-2.083	0	%100
54	M48	Z	-1.203	-1.203	0	%100
55	M49	X	-2.083	-2.083	0	%100
56	M49	Z	-1.203	-1.203	0	%100
57	M50	X	-3.269	-3.269	0	%100
58	M50	Z	-1.888	-1.888	0	%100
59	M53	X	-.587	-.587	0	%100
60	M53	Z	-.339	-.339	0	%100
61	M54	X	-.587	-.587	0	%100
62	M54	Z	-.339	-.339	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M60	X	-.814	-.814	0	%100
66	M60	Z	-.47	-.47	0	%100
67	M62	X	-.839	-.839	0	%100
68	M62	Z	-.484	-.484	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	-.814	-.814	0	%100
72	M65	Z	-.47	-.47	0	%100
73	M67	X	-.839	-.839	0	%100
74	M67	Z	-.484	-.484	0	%100
75	M68	X	-.628	-.628	0	%100
76	M68	Z	-.362	-.362	0	%100
77	M69	X	-2.511	-2.511	0	%100
78	M69	Z	-1.45	-1.45	0	%100
79	MP4A	X	-2.016	-2.016	0	%100
80	MP4A	Z	-1.164	-1.164	0	%100
81	MP3A	X	-2.016	-2.016	0	%100
82	MP3A	Z	-1.164	-1.164	0	%100
83	MP2A	X	-2.236	-2.236	0	%100
84	MP2A	Z	-1.291	-1.291	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,%]
85	MP1A	X	-2.016	-2.016	0	%100
86	MP1A	Z	-1.164	-1.164	0	%100
87	MP4C	X	-2.016	-2.016	0	%100
88	MP4C	Z	-1.164	-1.164	0	%100
89	MP3C	X	-2.016	-2.016	0	%100
90	MP3C	Z	-1.164	-1.164	0	%100
91	MP2C	X	-2.236	-2.236	0	%100
92	MP2C	Z	-1.291	-1.291	0	%100
93	MP1C	X	-2.016	-2.016	0	%100
94	MP1C	Z	-1.164	-1.164	0	%100
95	MP4B	X	-2.016	-2.016	0	%100
96	MP4B	Z	-1.164	-1.164	0	%100
97	MP3B	X	-2.016	-2.016	0	%100
98	MP3B	Z	-1.164	-1.164	0	%100
99	MP2B	X	-2.236	-2.236	0	%100
100	MP2B	Z	-1.291	-1.291	0	%100
101	MP1B	X	-2.016	-2.016	0	%100
102	MP1B	Z	-1.164	-1.164	0	%100
103	OVP	X	-1.865	-1.865	0	%100
104	OVP	Z	-1.077	-1.077	0	%100
105	M118	X	-.515	-.515	0	%100
106	M118	Z	-.297	-.297	0	%100
107	M119	X	-.515	-.515	0	%100
108	M119	Z	-.298	-.298	0	%100
109	M120	X	-2.06	-2.06	0	%100
110	M120	Z	-1.189	-1.189	0	%100
111	M119A	X	-.559	-.559	0	0
112	M119A	Z	-.323	-.323	0	0
113	M120A	X	-.559	-.559	0	0
114	M120A	Z	-.323	-.323	0	0
115	M121	X	-2.236	-2.236	0	0
116	M121	Z	-1.291	-1.291	0	0

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	M20	X	-1.087	-1.087	0	%100
2	M20	Z	-1.883	-1.883	0	%100
3	M72A	X	-.362	-.362	0	%100
4	M72A	Z	-.626	-.626	0	%100
5	M73	X	-.902	-.902	0	%100
6	M73	Z	-1.563	-1.563	0	%100
7	M74	X	-.902	-.902	0	%100
8	M74	Z	-1.563	-1.563	0	%100
9	M75	X	-1.416	-1.416	0	%100
10	M75	Z	-2.452	-2.452	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	-1.016	-1.016	0	%100
14	M79	Z	-1.76	-1.76	0	%100
15	M84	X	-.465	-.465	0	%100
16	M84	Z	-.806	-.806	0	%100
17	M85	X	-1.41	-1.41	0	%100
18	M85	Z	-2.442	-2.442	0	%100
19	M87A	X	-1.452	-1.452	0	%100
20	M87A	Z	-2.516	-2.516	0	%100
21	M89A	X	-.465	-.465	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,%]
22	M89A	Z	-.806	-.806	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	0	0	0	%100
27	M25	X	-1.446	-1.446	0	%100
28	M25	Z	-2.505	-2.505	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M31	X	-1.016	-1.016	0	%100
36	M31	Z	-1.76	-1.76	0	%100
37	M32	X	-1.016	-1.016	0	%100
38	M32	Z	-1.76	-1.76	0	%100
39	M37	X	-1.861	-1.861	0	%100
40	M37	Z	-3.224	-3.224	0	%100
41	M38	X	-1.41	-1.41	0	%100
42	M38	Z	-2.442	-2.442	0	%100
43	M40	X	-1.452	-1.452	0	%100
44	M40	Z	-2.516	-2.516	0	%100
45	M42	X	-1.861	-1.861	0	%100
46	M42	Z	-3.224	-3.224	0	%100
47	M43	X	-1.41	-1.41	0	%100
48	M43	Z	-2.442	-2.442	0	%100
49	M45	X	-1.452	-1.452	0	%100
50	M45	Z	-2.516	-2.516	0	%100
51	M47	X	-.362	-.362	0	%100
52	M47	Z	-.626	-.626	0	%100
53	M48	X	-.902	-.902	0	%100
54	M48	Z	-1.563	-1.563	0	%100
55	M49	X	-.902	-.902	0	%100
56	M49	Z	-1.563	-1.563	0	%100
57	M50	X	-1.416	-1.416	0	%100
58	M50	Z	-2.452	-2.452	0	%100
59	M53	X	-1.016	-1.016	0	%100
60	M53	Z	-1.76	-1.76	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	0	0	0	%100
63	M59	X	-.465	-.465	0	%100
64	M59	Z	-.806	-.806	0	%100
65	M60	X	0	0	0	%100
66	M60	Z	0	0	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	-.465	-.465	0	%100
70	M64	Z	-.806	-.806	0	%100
71	M65	X	-1.41	-1.41	0	%100
72	M65	Z	-2.442	-2.442	0	%100
73	M67	X	-1.452	-1.452	0	%100
74	M67	Z	-2.516	-2.516	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	-1.087	-1.087	0	%100
78	M69	Z	-1.883	-1.883	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,%]
79	MP4A	X	-1.164	-1.164	0	%100
80	MP4A	Z	-2.016	-2.016	0	%100
81	MP3A	X	-1.164	-1.164	0	%100
82	MP3A	Z	-2.016	-2.016	0	%100
83	MP2A	X	-1.291	-1.291	0	%100
84	MP2A	Z	-2.236	-2.236	0	%100
85	MP1A	X	-1.164	-1.164	0	%100
86	MP1A	Z	-2.016	-2.016	0	%100
87	MP4C	X	-1.164	-1.164	0	%100
88	MP4C	Z	-2.016	-2.016	0	%100
89	MP3C	X	-1.164	-1.164	0	%100
90	MP3C	Z	-2.016	-2.016	0	%100
91	MP2C	X	-1.291	-1.291	0	%100
92	MP2C	Z	-2.236	-2.236	0	%100
93	MP1C	X	-1.164	-1.164	0	%100
94	MP1C	Z	-2.016	-2.016	0	%100
95	MP4B	X	-1.164	-1.164	0	%100
96	MP4B	Z	-2.016	-2.016	0	%100
97	MP3B	X	-1.164	-1.164	0	%100
98	MP3B	Z	-2.016	-2.016	0	%100
99	MP2B	X	-1.291	-1.291	0	%100
100	MP2B	Z	-2.236	-2.236	0	%100
101	MP1B	X	-1.164	-1.164	0	%100
102	MP1B	Z	-2.016	-2.016	0	%100
103	OVP	X	-1.077	-1.077	0	%100
104	OVP	Z	-1.865	-1.865	0	%100
105	M118	X	0	0	0	%100
106	M118	Z	0	0	0	%100
107	M119	X	-.892	-.892	0	%100
108	M119	Z	-1.545	-1.545	0	%100
109	M120	X	-.892	-.892	0	%100
110	M120	Z	-1.545	-1.545	0	%100
111	M119A	X	-.968	-.968	0	0
112	M119A	Z	-1.677	-1.677	0	0
113	M120A	X	0	0	0	0
114	M120A	Z	0	0	0	0
115	M121	X	-.968	-.968	0	0
116	M121	Z	-1.677	-1.677	0	0

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	M20	X	0	0	0	%100
2	M20	Z	-.641	-.641	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	-.552	-.552	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	-.552	-.552	0	%100
9	M75	X	0	0	0	%100
10	M75	Z	-1.098	-1.098	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	-.149	-.149	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	-.149	-.149	0	%100
15	M84	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M84	Z	0	0	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	-.28	-.28	0	%100
19	M87A	X	0	0	0	%100
20	M87A	Z	-.29	-.29	0	%100
21	M89A	X	0	0	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	-.28	-.28	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	-.29	-.29	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	-.478	-.478	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	-.138	-.138	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	-.138	-.138	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-.275	-.275	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	-.149	-.149	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	-.598	-.598	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-.829	-.829	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	-1.118	-1.118	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-1.159	-1.159	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-.829	-.829	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	-.28	-.28	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-.29	-.29	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-.478	-.478	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	-.138	-.138	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	-.138	-.138	0	%100
57	M50	X	0	0	0	%100
58	M50	Z	-.275	-.275	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	-.598	-.598	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	-.149	-.149	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	-.829	-.829	0	%100
65	M60	X	0	0	0	%100
66	M60	Z	-.28	-.28	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	-.29	-.29	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	-.829	-.829	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	-1.118	-1.118	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,%]
73	M67	X	0	0	0	%100
74	M67	Z	-1.159	-1.159	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	-.16	-.16	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	-.16	-.16	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-.435	-.435	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	-.435	-.435	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-.526	-.526	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-.435	-.435	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-.435	-.435	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-.435	-.435	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-.526	-.526	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-.435	-.435	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-.435	-.435	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-.435	-.435	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-.526	-.526	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.435	-.435	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	-.396	-.396	0	%100
105	M118	X	0	0	0	%100
106	M118	Z	-.148	-.148	0	%100
107	M119	X	0	0	0	%100
108	M119	Z	-.593	-.593	0	%100
109	M120	X	0	0	0	%100
110	M120	Z	-.148	-.148	0	%100
111	M119A	X	0	0	0	0
112	M119A	Z	-.526	-.526	0	0
113	M120A	X	0	0	0	0
114	M120A	Z	-.132	-.132	0	0
115	M121	X	0	0	0	0
116	M121	Z	-.132	-.132	0	0

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	M20	X	.24	.24	0	%100
2	M20	Z	-.416	-.416	0	%100
3	M72A	X	.08	.08	0	%100
4	M72A	Z	-.138	-.138	0	%100
5	M73	X	.207	.207	0	%100
6	M73	Z	-.358	-.358	0	%100
7	M74	X	.207	.207	0	%100
8	M74	Z	-.358	-.358	0	%100
9	M75	X	.412	.412	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,%]
10	M75	Z	-.713	-.713	0	%100
11	M78	X	.224	.224	0	%100
12	M78	Z	-.388	-.388	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	.138	.138	0	%100
16	M84	Z	-.239	-.239	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	0	0	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	.138	.138	0	%100
22	M89A	Z	-.239	-.239	0	%100
23	M90A	X	.419	.419	0	%100
24	M90A	Z	-.726	-.726	0	%100
25	M92	X	.435	.435	0	%100
26	M92	Z	-.753	-.753	0	%100
27	M25	X	.08	.08	0	%100
28	M25	Z	-.138	-.138	0	%100
29	M26	X	.207	.207	0	%100
30	M26	Z	-.358	-.358	0	%100
31	M27	X	.207	.207	0	%100
32	M27	Z	-.358	-.358	0	%100
33	M28	X	.412	.412	0	%100
34	M28	Z	-.713	-.713	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	0	0	0	%100
37	M32	X	.224	.224	0	%100
38	M32	Z	-.388	-.388	0	%100
39	M37	X	.138	.138	0	%100
40	M37	Z	-.239	-.239	0	%100
41	M38	X	.419	.419	0	%100
42	M38	Z	-.726	-.726	0	%100
43	M40	X	.435	.435	0	%100
44	M40	Z	-.753	-.753	0	%100
45	M42	X	.138	.138	0	%100
46	M42	Z	-.239	-.239	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	.319	.319	0	%100
52	M47	Z	-.553	-.553	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	0	0	0	%100
57	M50	X	0	0	0	%100
58	M50	Z	0	0	0	%100
59	M53	X	.224	.224	0	%100
60	M53	Z	-.388	-.388	0	%100
61	M54	X	.224	.224	0	%100
62	M54	Z	-.388	-.388	0	%100
63	M59	X	.552	.552	0	%100
64	M59	Z	-.957	-.957	0	%100
65	M60	X	.419	.419	0	%100
66	M60	Z	-.726	-.726	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,%]
67	M62	X	.435	.435	0	%100
68	M62	Z	-.753	-.753	0	%100
69	M64	X	.552	.552	0	%100
70	M64	Z	-.957	-.957	0	%100
71	M65	X	.419	.419	0	%100
72	M65	Z	-.726	-.726	0	%100
73	M67	X	.435	.435	0	%100
74	M67	Z	-.753	-.753	0	%100
75	M68	X	.24	.24	0	%100
76	M68	Z	-.416	-.416	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	0	0	0	%100
79	MP4A	X	.217	.217	0	%100
80	MP4A	Z	-.376	-.376	0	%100
81	MP3A	X	.217	.217	0	%100
82	MP3A	Z	-.376	-.376	0	%100
83	MP2A	X	.263	.263	0	%100
84	MP2A	Z	-.456	-.456	0	%100
85	MP1A	X	.217	.217	0	%100
86	MP1A	Z	-.376	-.376	0	%100
87	MP4C	X	.217	.217	0	%100
88	MP4C	Z	-.376	-.376	0	%100
89	MP3C	X	.217	.217	0	%100
90	MP3C	Z	-.376	-.376	0	%100
91	MP2C	X	.263	.263	0	%100
92	MP2C	Z	-.456	-.456	0	%100
93	MP1C	X	.217	.217	0	%100
94	MP1C	Z	-.376	-.376	0	%100
95	MP4B	X	.217	.217	0	%100
96	MP4B	Z	-.376	-.376	0	%100
97	MP3B	X	.217	.217	0	%100
98	MP3B	Z	-.376	-.376	0	%100
99	MP2B	X	.263	.263	0	%100
100	MP2B	Z	-.456	-.456	0	%100
101	MP1B	X	.217	.217	0	%100
102	MP1B	Z	-.376	-.376	0	%100
103	OVP	X	.198	.198	0	%100
104	OVP	Z	-.343	-.343	0	%100
105	M118	X	.222	.222	0	%100
106	M118	Z	-.385	-.385	0	%100
107	M119	X	.222	.222	0	%100
108	M119	Z	-.385	-.385	0	%100
109	M120	X	0	0	0	%100
110	M120	Z	0	0	0	%100
111	M119A	X	.197	.197	0	0
112	M119A	Z	-.342	-.342	0	0
113	M120A	X	.197	.197	0	0
114	M120A	Z	-.342	-.342	0	0
115	M121	X	0	0	0	0
116	M121	Z	0	0	0	0

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	M20	X	.139	.139	0	%100
2	M20	Z	-.08	-.08	0	%100
3	M72A	X	.414	.414	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,%]
4	M72A	Z	-.239	-.239	0	%100
5	M73	X	.119	.119	0	%100
6	M73	Z	-.069	-.069	0	%100
7	M74	X	.119	.119	0	%100
8	M74	Z	-.069	-.069	0	%100
9	M75	X	.238	.238	0	%100
10	M75	Z	-.137	-.137	0	%100
11	M78	X	.518	.518	0	%100
12	M78	Z	-.299	-.299	0	%100
13	M79	X	.129	.129	0	%100
14	M79	Z	-.075	-.075	0	%100
15	M84	X	.718	.718	0	%100
16	M84	Z	-.414	-.414	0	%100
17	M85	X	.242	.242	0	%100
18	M85	Z	-.14	-.14	0	%100
19	M87A	X	.251	.251	0	%100
20	M87A	Z	-.145	-.145	0	%100
21	M89A	X	.718	.718	0	%100
22	M89A	Z	-.414	-.414	0	%100
23	M90A	X	.969	.969	0	%100
24	M90A	Z	-.559	-.559	0	%100
25	M92	X	1.004	1.004	0	%100
26	M92	Z	-.58	-.58	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	.478	.478	0	%100
30	M26	Z	-.276	-.276	0	%100
31	M27	X	.478	.478	0	%100
32	M27	Z	-.276	-.276	0	%100
33	M28	X	.951	.951	0	%100
34	M28	Z	-.549	-.549	0	%100
35	M31	X	.129	.129	0	%100
36	M31	Z	-.075	-.075	0	%100
37	M32	X	.129	.129	0	%100
38	M32	Z	-.075	-.075	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	.242	.242	0	%100
42	M38	Z	-.14	-.14	0	%100
43	M40	X	.251	.251	0	%100
44	M40	Z	-.145	-.145	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	.242	.242	0	%100
48	M43	Z	-.14	-.14	0	%100
49	M45	X	.251	.251	0	%100
50	M45	Z	-.145	-.145	0	%100
51	M47	X	.414	.414	0	%100
52	M47	Z	-.239	-.239	0	%100
53	M48	X	.119	.119	0	%100
54	M48	Z	-.069	-.069	0	%100
55	M49	X	.119	.119	0	%100
56	M49	Z	-.069	-.069	0	%100
57	M50	X	.238	.238	0	%100
58	M50	Z	-.137	-.137	0	%100
59	M53	X	.129	.129	0	%100
60	M53	Z	-.075	-.075	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,%]
61	M54	X	.518	.518	0	%100
62	M54	Z	-.299	-.299	0	%100
63	M59	X	.718	.718	0	%100
64	M59	Z	-.414	-.414	0	%100
65	M60	X	.969	.969	0	%100
66	M60	Z	-.559	-.559	0	%100
67	M62	X	1.004	1.004	0	%100
68	M62	Z	-.58	-.58	0	%100
69	M64	X	.718	.718	0	%100
70	M64	Z	-.414	-.414	0	%100
71	M65	X	.242	.242	0	%100
72	M65	Z	-.14	-.14	0	%100
73	M67	X	.251	.251	0	%100
74	M67	Z	-.145	-.145	0	%100
75	M68	X	.555	.555	0	%100
76	M68	Z	-.32	-.32	0	%100
77	M69	X	.139	.139	0	%100
78	M69	Z	-.08	-.08	0	%100
79	MP4A	X	.376	.376	0	%100
80	MP4A	Z	-.217	-.217	0	%100
81	MP3A	X	.376	.376	0	%100
82	MP3A	Z	-.217	-.217	0	%100
83	MP2A	X	.456	.456	0	%100
84	MP2A	Z	-.263	-.263	0	%100
85	MP1A	X	.376	.376	0	%100
86	MP1A	Z	-.217	-.217	0	%100
87	MP4C	X	.376	.376	0	%100
88	MP4C	Z	-.217	-.217	0	%100
89	MP3C	X	.376	.376	0	%100
90	MP3C	Z	-.217	-.217	0	%100
91	MP2C	X	.456	.456	0	%100
92	MP2C	Z	-.263	-.263	0	%100
93	MP1C	X	.376	.376	0	%100
94	MP1C	Z	-.217	-.217	0	%100
95	MP4B	X	.376	.376	0	%100
96	MP4B	Z	-.217	-.217	0	%100
97	MP3B	X	.376	.376	0	%100
98	MP3B	Z	-.217	-.217	0	%100
99	MP2B	X	.456	.456	0	%100
100	MP2B	Z	-.263	-.263	0	%100
101	MP1B	X	.376	.376	0	%100
102	MP1B	Z	-.217	-.217	0	%100
103	OVP	X	.343	.343	0	%100
104	OVP	Z	-.198	-.198	0	%100
105	M118	X	.513	.513	0	%100
106	M118	Z	-.296	-.296	0	%100
107	M119	X	.128	.128	0	%100
108	M119	Z	-.074	-.074	0	%100
109	M120	X	.128	.128	0	%100
110	M120	Z	-.074	-.074	0	%100
111	M119A	X	.114	.114	0	0
112	M119A	Z	-.066	-.066	0	0
113	M120A	X	.456	.456	0	0
114	M120A	Z	-.263	-.263	0	0
115	M121	X	.114	.114	0	0
116	M121	Z	-.066	-.066	0	0

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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M72A	X	.638	.638	0	%100
4	M72A	Z	0	0	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	0	0	0	%100
9	M75	X	0	0	0	%100
10	M75	Z	0	0	0	%100
11	M78	X	.448	.448	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	.448	.448	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	1.105	1.105	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	.839	.839	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	.869	.869	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	1.105	1.105	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	X	.839	.839	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	.869	.869	0	%100
26	M92	Z	0	0	0	%100
27	M25	X	.159	.159	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	.414	.414	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	.414	.414	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	.824	.824	0	%100
34	M28	Z	0	0	0	%100
35	M31	X	.448	.448	0	%100
36	M31	Z	0	0	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	0	0	0	%100
39	M37	X	.276	.276	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	.276	.276	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	.839	.839	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	.869	.869	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	.159	.159	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	.414	.414	0	%100
54	M48	Z	0	0	0	%100
55	M49	X	.414	.414	0	%100
56	M49	Z	0	0	0	%100
57	M50	X	.824	.824	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,%]
58	M50	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	.448	.448	0	%100
62	M54	Z	0	0	0	%100
63	M59	X	.276	.276	0	%100
64	M59	Z	0	0	0	%100
65	M60	X	.839	.839	0	%100
66	M60	Z	0	0	0	%100
67	M62	X	.869	.869	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	.276	.276	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	0	0	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	0	0	0	%100
75	M68	X	.48	.48	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	.48	.48	0	%100
78	M69	Z	0	0	0	%100
79	MP4A	X	.435	.435	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	.435	.435	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	.526	.526	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	.435	.435	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	.435	.435	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	.435	.435	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	.526	.526	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	.435	.435	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	.435	.435	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	.435	.435	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	.526	.526	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	.435	.435	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	.396	.396	0	%100
104	OVP	Z	0	0	0	%100
105	M118	X	.444	.444	0	%100
106	M118	Z	0	0	0	%100
107	M119	X	0	0	0	%100
108	M119	Z	0	0	0	%100
109	M120	X	.444	.444	0	%100
110	M120	Z	0	0	0	%100
111	M119A	X	0	0	0	0
112	M119A	Z	0	0	0	0
113	M120A	X	.395	.395	0	0
114	M120A	Z	0	0	0	0

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,%]
115	M121	X	.395	.395	0	0
116	M121	Z	0	0	0	0

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	M20	X	.139	.139	0	%100
2	M20	Z	.08	.08	0	%100
3	M72A	X	.414	.414	0	%100
4	M72A	Z	.239	.239	0	%100
5	M73	X	.119	.119	0	%100
6	M73	Z	.069	.069	0	%100
7	M74	X	.119	.119	0	%100
8	M74	Z	.069	.069	0	%100
9	M75	X	.238	.238	0	%100
10	M75	Z	.137	.137	0	%100
11	M78	X	.129	.129	0	%100
12	M78	Z	.075	.075	0	%100
13	M79	X	.518	.518	0	%100
14	M79	Z	.299	.299	0	%100
15	M84	X	.718	.718	0	%100
16	M84	Z	.414	.414	0	%100
17	M85	X	.969	.969	0	%100
18	M85	Z	.559	.559	0	%100
19	M87A	X	1.004	1.004	0	%100
20	M87A	Z	.58	.58	0	%100
21	M89A	X	.718	.718	0	%100
22	M89A	Z	.414	.414	0	%100
23	M90A	X	.242	.242	0	%100
24	M90A	Z	.14	.14	0	%100
25	M92	X	.251	.251	0	%100
26	M92	Z	.145	.145	0	%100
27	M25	X	.414	.414	0	%100
28	M25	Z	.239	.239	0	%100
29	M26	X	.119	.119	0	%100
30	M26	Z	.069	.069	0	%100
31	M27	X	.119	.119	0	%100
32	M27	Z	.069	.069	0	%100
33	M28	X	.238	.238	0	%100
34	M28	Z	.137	.137	0	%100
35	M31	X	.518	.518	0	%100
36	M31	Z	.299	.299	0	%100
37	M32	X	.129	.129	0	%100
38	M32	Z	.075	.075	0	%100
39	M37	X	.718	.718	0	%100
40	M37	Z	.414	.414	0	%100
41	M38	X	.242	.242	0	%100
42	M38	Z	.14	.14	0	%100
43	M40	X	.251	.251	0	%100
44	M40	Z	.145	.145	0	%100
45	M42	X	.718	.718	0	%100
46	M42	Z	.414	.414	0	%100
47	M43	X	.969	.969	0	%100
48	M43	Z	.559	.559	0	%100
49	M45	X	1.004	1.004	0	%100
50	M45	Z	.58	.58	0	%100
51	M47	X	0	0	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,%]
52	M47	Z	0	0	0	%100
53	M48	X	.478	.478	0	%100
54	M48	Z	.276	.276	0	%100
55	M49	X	.478	.478	0	%100
56	M49	Z	.276	.276	0	%100
57	M50	X	.951	.951	0	%100
58	M50	Z	.549	.549	0	%100
59	M53	X	.129	.129	0	%100
60	M53	Z	.075	.075	0	%100
61	M54	X	.129	.129	0	%100
62	M54	Z	.075	.075	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M60	X	.242	.242	0	%100
66	M60	Z	.14	.14	0	%100
67	M62	X	.251	.251	0	%100
68	M62	Z	.145	.145	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	.242	.242	0	%100
72	M65	Z	.14	.14	0	%100
73	M67	X	.251	.251	0	%100
74	M67	Z	.145	.145	0	%100
75	M68	X	.139	.139	0	%100
76	M68	Z	.08	.08	0	%100
77	M69	X	.555	.555	0	%100
78	M69	Z	.32	.32	0	%100
79	MP4A	X	.376	.376	0	%100
80	MP4A	Z	.217	.217	0	%100
81	MP3A	X	.376	.376	0	%100
82	MP3A	Z	.217	.217	0	%100
83	MP2A	X	.456	.456	0	%100
84	MP2A	Z	.263	.263	0	%100
85	MP1A	X	.376	.376	0	%100
86	MP1A	Z	.217	.217	0	%100
87	MP4C	X	.376	.376	0	%100
88	MP4C	Z	.217	.217	0	%100
89	MP3C	X	.376	.376	0	%100
90	MP3C	Z	.217	.217	0	%100
91	MP2C	X	.456	.456	0	%100
92	MP2C	Z	.263	.263	0	%100
93	MP1C	X	.376	.376	0	%100
94	MP1C	Z	.217	.217	0	%100
95	MP4B	X	.376	.376	0	%100
96	MP4B	Z	.217	.217	0	%100
97	MP3B	X	.376	.376	0	%100
98	MP3B	Z	.217	.217	0	%100
99	MP2B	X	.456	.456	0	%100
100	MP2B	Z	.263	.263	0	%100
101	MP1B	X	.376	.376	0	%100
102	MP1B	Z	.217	.217	0	%100
103	OVP	X	.343	.343	0	%100
104	OVP	Z	.198	.198	0	%100
105	M118	X	.128	.128	0	%100
106	M118	Z	.074	.074	0	%100
107	M119	X	.128	.128	0	%100
108	M119	Z	.074	.074	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,%]
109	M120	X	.513	.513	0	%100
110	M120	Z	.296	.296	0	%100
111	M119A	X	.114	.114	0	0
112	M119A	Z	.066	.066	0	0
113	M120A	X	.114	.114	0	0
114	M120A	Z	.066	.066	0	0
115	M121	X	.456	.456	0	0
116	M121	Z	.263	.263	0	0

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	M20	X	.24	.24	0	%100
2	M20	Z	.416	.416	0	%100
3	M72A	X	.08	.08	0	%100
4	M72A	Z	.138	.138	0	%100
5	M73	X	.207	.207	0	%100
6	M73	Z	.358	.358	0	%100
7	M74	X	.207	.207	0	%100
8	M74	Z	.358	.358	0	%100
9	M75	X	.412	.412	0	%100
10	M75	Z	.713	.713	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	.224	.224	0	%100
14	M79	Z	.388	.388	0	%100
15	M84	X	.138	.138	0	%100
16	M84	Z	.239	.239	0	%100
17	M85	X	.419	.419	0	%100
18	M85	Z	.726	.726	0	%100
19	M87A	X	.435	.435	0	%100
20	M87A	Z	.753	.753	0	%100
21	M89A	X	.138	.138	0	%100
22	M89A	Z	.239	.239	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	0	0	0	%100
27	M25	X	.319	.319	0	%100
28	M25	Z	.553	.553	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M31	X	.224	.224	0	%100
36	M31	Z	.388	.388	0	%100
37	M32	X	.224	.224	0	%100
38	M32	Z	.388	.388	0	%100
39	M37	X	.552	.552	0	%100
40	M37	Z	.957	.957	0	%100
41	M38	X	.419	.419	0	%100
42	M38	Z	.726	.726	0	%100
43	M40	X	.435	.435	0	%100
44	M40	Z	.753	.753	0	%100
45	M42	X	.552	.552	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,%]
46	M42	Z	.957	.957	0	%100
47	M43	X	.419	.419	0	%100
48	M43	Z	.726	.726	0	%100
49	M45	X	.435	.435	0	%100
50	M45	Z	.753	.753	0	%100
51	M47	X	.08	.08	0	%100
52	M47	Z	.138	.138	0	%100
53	M48	X	.207	.207	0	%100
54	M48	Z	.358	.358	0	%100
55	M49	X	.207	.207	0	%100
56	M49	Z	.358	.358	0	%100
57	M50	X	.412	.412	0	%100
58	M50	Z	.713	.713	0	%100
59	M53	X	.224	.224	0	%100
60	M53	Z	.388	.388	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	0	0	0	%100
63	M59	X	.138	.138	0	%100
64	M59	Z	.239	.239	0	%100
65	M60	X	0	0	0	%100
66	M60	Z	0	0	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	.138	.138	0	%100
70	M64	Z	.239	.239	0	%100
71	M65	X	.419	.419	0	%100
72	M65	Z	.726	.726	0	%100
73	M67	X	.435	.435	0	%100
74	M67	Z	.753	.753	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	.24	.24	0	%100
78	M69	Z	.416	.416	0	%100
79	MP4A	X	.217	.217	0	%100
80	MP4A	Z	.376	.376	0	%100
81	MP3A	X	.217	.217	0	%100
82	MP3A	Z	.376	.376	0	%100
83	MP2A	X	.263	.263	0	%100
84	MP2A	Z	.456	.456	0	%100
85	MP1A	X	.217	.217	0	%100
86	MP1A	Z	.376	.376	0	%100
87	MP4C	X	.217	.217	0	%100
88	MP4C	Z	.376	.376	0	%100
89	MP3C	X	.217	.217	0	%100
90	MP3C	Z	.376	.376	0	%100
91	MP2C	X	.263	.263	0	%100
92	MP2C	Z	.456	.456	0	%100
93	MP1C	X	.217	.217	0	%100
94	MP1C	Z	.376	.376	0	%100
95	MP4B	X	.217	.217	0	%100
96	MP4B	Z	.376	.376	0	%100
97	MP3B	X	.217	.217	0	%100
98	MP3B	Z	.376	.376	0	%100
99	MP2B	X	.263	.263	0	%100
100	MP2B	Z	.456	.456	0	%100
101	MP1B	X	.217	.217	0	%100
102	MP1B	Z	.376	.376	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,%]
103	OVP	X	.198	.198	0	%100
104	OVP	Z	.343	.343	0	%100
105	M118	X	0	0	0	%100
106	M118	Z	0	0	0	%100
107	M119	X	.222	.222	0	%100
108	M119	Z	.385	.385	0	%100
109	M120	X	.222	.222	0	%100
110	M120	Z	.385	.385	0	%100
111	M119A	X	.197	.197	0	0
112	M119A	Z	.342	.342	0	0
113	M120A	X	0	0	0	0
114	M120A	Z	0	0	0	0
115	M121	X	.197	.197	0	0
116	M121	Z	.342	.342	0	0

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	M20	X	0	0	0	%100
2	M20	Z	.641	.641	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	.552	.552	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	.552	.552	0	%100
9	M75	X	0	0	0	%100
10	M75	Z	1.098	1.098	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	.149	.149	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	.149	.149	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	.28	.28	0	%100
19	M87A	X	0	0	0	%100
20	M87A	Z	.29	.29	0	%100
21	M89A	X	0	0	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	.28	.28	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	.29	.29	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	.478	.478	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	.138	.138	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	.138	.138	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	.275	.275	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	.149	.149	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	.598	.598	0	%100
39	M37	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M37	Z	.829	.829	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	1.118	1.118	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	1.159	1.159	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	.829	.829	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	.28	.28	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	.29	.29	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	.478	.478	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	.138	.138	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	.138	.138	0	%100
57	M50	X	0	0	0	%100
58	M50	Z	.275	.275	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	.598	.598	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	.149	.149	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	.829	.829	0	%100
65	M60	X	0	0	0	%100
66	M60	Z	.28	.28	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	.29	.29	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	.829	.829	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	1.118	1.118	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	1.159	1.159	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	.16	.16	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	.16	.16	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	.435	.435	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	.435	.435	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	.526	.526	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	.435	.435	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	.435	.435	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	.435	.435	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.526	.526	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	.435	.435	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	.435	.435	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,%]
97	MP3B	X	0	0	0	%100
98	MP3B	Z	.435	.435	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	.526	.526	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.435	.435	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	.396	.396	0	%100
105	M118	X	0	0	0	%100
106	M118	Z	.148	.148	0	%100
107	M119	X	0	0	0	%100
108	M119	Z	.593	.593	0	%100
109	M120	X	0	0	0	%100
110	M120	Z	.148	.148	0	%100
111	M119A	X	0	0	0	0
112	M119A	Z	.526	.526	0	0
113	M120A	X	0	0	0	0
114	M120A	Z	.132	.132	0	0
115	M121	X	0	0	0	0
116	M121	Z	.132	.132	0	0

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	M20	X	-.24	-.24	0	%100
2	M20	Z	.416	.416	0	%100
3	M72A	X	-.08	-.08	0	%100
4	M72A	Z	.138	.138	0	%100
5	M73	X	-.207	-.207	0	%100
6	M73	Z	.358	.358	0	%100
7	M74	X	-.207	-.207	0	%100
8	M74	Z	.358	.358	0	%100
9	M75	X	-.412	-.412	0	%100
10	M75	Z	.713	.713	0	%100
11	M78	X	-.224	-.224	0	%100
12	M78	Z	.388	.388	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	-.138	-.138	0	%100
16	M84	Z	.239	.239	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	0	0	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	-.138	-.138	0	%100
22	M89A	Z	.239	.239	0	%100
23	M90A	X	-.419	-.419	0	%100
24	M90A	Z	.726	.726	0	%100
25	M92	X	-.435	-.435	0	%100
26	M92	Z	.753	.753	0	%100
27	M25	X	-.08	-.08	0	%100
28	M25	Z	.138	.138	0	%100
29	M26	X	-.207	-.207	0	%100
30	M26	Z	.358	.358	0	%100
31	M27	X	-.207	-.207	0	%100
32	M27	Z	.358	.358	0	%100
33	M28	X	-.412	-.412	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,%]
34	M28	Z	.713	.713	0	%100
35	M31	X	0	0	0	%100
36	M31	Z	0	0	0	%100
37	M32	X	-.224	-.224	0	%100
38	M32	Z	.388	.388	0	%100
39	M37	X	-.138	-.138	0	%100
40	M37	Z	.239	.239	0	%100
41	M38	X	-.419	-.419	0	%100
42	M38	Z	.726	.726	0	%100
43	M40	X	-.435	-.435	0	%100
44	M40	Z	.753	.753	0	%100
45	M42	X	-.138	-.138	0	%100
46	M42	Z	.239	.239	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	-.319	-.319	0	%100
52	M47	Z	.553	.553	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	0	0	0	%100
57	M50	X	0	0	0	%100
58	M50	Z	0	0	0	%100
59	M53	X	-.224	-.224	0	%100
60	M53	Z	.388	.388	0	%100
61	M54	X	-.224	-.224	0	%100
62	M54	Z	.388	.388	0	%100
63	M59	X	-.552	-.552	0	%100
64	M59	Z	.957	.957	0	%100
65	M60	X	-.419	-.419	0	%100
66	M60	Z	.726	.726	0	%100
67	M62	X	-.435	-.435	0	%100
68	M62	Z	.753	.753	0	%100
69	M64	X	-.552	-.552	0	%100
70	M64	Z	.957	.957	0	%100
71	M65	X	-.419	-.419	0	%100
72	M65	Z	.726	.726	0	%100
73	M67	X	-.435	-.435	0	%100
74	M67	Z	.753	.753	0	%100
75	M68	X	-.24	-.24	0	%100
76	M68	Z	.416	.416	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	0	0	0	%100
79	MP4A	X	-.217	-.217	0	%100
80	MP4A	Z	.376	.376	0	%100
81	MP3A	X	-.217	-.217	0	%100
82	MP3A	Z	.376	.376	0	%100
83	MP2A	X	-.263	-.263	0	%100
84	MP2A	Z	.456	.456	0	%100
85	MP1A	X	-.217	-.217	0	%100
86	MP1A	Z	.376	.376	0	%100
87	MP4C	X	-.217	-.217	0	%100
88	MP4C	Z	.376	.376	0	%100
89	MP3C	X	-.217	-.217	0	%100
90	MP3C	Z	.376	.376	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,%]
91	MP2C	X	-.263	-.263	0	%100
92	MP2C	Z	.456	.456	0	%100
93	MP1C	X	-.217	-.217	0	%100
94	MP1C	Z	.376	.376	0	%100
95	MP4B	X	-.217	-.217	0	%100
96	MP4B	Z	.376	.376	0	%100
97	MP3B	X	-.217	-.217	0	%100
98	MP3B	Z	.376	.376	0	%100
99	MP2B	X	-.263	-.263	0	%100
100	MP2B	Z	.456	.456	0	%100
101	MP1B	X	-.217	-.217	0	%100
102	MP1B	Z	.376	.376	0	%100
103	OVP	X	-.198	-.198	0	%100
104	OVP	Z	.343	.343	0	%100
105	M118	X	-.222	-.222	0	%100
106	M118	Z	.385	.385	0	%100
107	M119	X	-.222	-.222	0	%100
108	M119	Z	.385	.385	0	%100
109	M120	X	0	0	0	%100
110	M120	Z	0	0	0	%100
111	M119A	X	-.197	-.197	0	0
112	M119A	Z	.342	.342	0	0
113	M120A	X	-.197	-.197	0	0
114	M120A	Z	.342	.342	0	0
115	M121	X	0	0	0	0
116	M121	Z	0	0	0	0

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	M20	X	-.139	-.139	0	%100
2	M20	Z	.08	.08	0	%100
3	M72A	X	-.414	-.414	0	%100
4	M72A	Z	.239	.239	0	%100
5	M73	X	-.119	-.119	0	%100
6	M73	Z	.069	.069	0	%100
7	M74	X	-.119	-.119	0	%100
8	M74	Z	.069	.069	0	%100
9	M75	X	-.238	-.238	0	%100
10	M75	Z	.137	.137	0	%100
11	M78	X	-.518	-.518	0	%100
12	M78	Z	.299	.299	0	%100
13	M79	X	-.129	-.129	0	%100
14	M79	Z	.075	.075	0	%100
15	M84	X	-.718	-.718	0	%100
16	M84	Z	.414	.414	0	%100
17	M85	X	-.242	-.242	0	%100
18	M85	Z	.14	.14	0	%100
19	M87A	X	-.251	-.251	0	%100
20	M87A	Z	.145	.145	0	%100
21	M89A	X	-.718	-.718	0	%100
22	M89A	Z	.414	.414	0	%100
23	M90A	X	-.969	-.969	0	%100
24	M90A	Z	.559	.559	0	%100
25	M92	X	-1.004	-1.004	0	%100
26	M92	Z	.58	.58	0	%100
27	M25	X	0	0	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,%]
28	M25	Z	0	0	0	%100
29	M26	X	-.478	-.478	0	%100
30	M26	Z	.276	.276	0	%100
31	M27	X	-.478	-.478	0	%100
32	M27	Z	.276	.276	0	%100
33	M28	X	-.951	-.951	0	%100
34	M28	Z	.549	.549	0	%100
35	M31	X	-.129	-.129	0	%100
36	M31	Z	.075	.075	0	%100
37	M32	X	-.129	-.129	0	%100
38	M32	Z	.075	.075	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	-.242	-.242	0	%100
42	M38	Z	.14	.14	0	%100
43	M40	X	-.251	-.251	0	%100
44	M40	Z	.145	.145	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	-.242	-.242	0	%100
48	M43	Z	.14	.14	0	%100
49	M45	X	-.251	-.251	0	%100
50	M45	Z	.145	.145	0	%100
51	M47	X	-.414	-.414	0	%100
52	M47	Z	.239	.239	0	%100
53	M48	X	-.119	-.119	0	%100
54	M48	Z	.069	.069	0	%100
55	M49	X	-.119	-.119	0	%100
56	M49	Z	.069	.069	0	%100
57	M50	X	-.238	-.238	0	%100
58	M50	Z	.137	.137	0	%100
59	M53	X	-.129	-.129	0	%100
60	M53	Z	.075	.075	0	%100
61	M54	X	-.518	-.518	0	%100
62	M54	Z	.299	.299	0	%100
63	M59	X	-.718	-.718	0	%100
64	M59	Z	.414	.414	0	%100
65	M60	X	-.969	-.969	0	%100
66	M60	Z	.559	.559	0	%100
67	M62	X	-1.004	-1.004	0	%100
68	M62	Z	.58	.58	0	%100
69	M64	X	-.718	-.718	0	%100
70	M64	Z	.414	.414	0	%100
71	M65	X	-.242	-.242	0	%100
72	M65	Z	.14	.14	0	%100
73	M67	X	-.251	-.251	0	%100
74	M67	Z	.145	.145	0	%100
75	M68	X	-.555	-.555	0	%100
76	M68	Z	.32	.32	0	%100
77	M69	X	-.139	-.139	0	%100
78	M69	Z	.08	.08	0	%100
79	MP4A	X	-.376	-.376	0	%100
80	MP4A	Z	.217	.217	0	%100
81	MP3A	X	-.376	-.376	0	%100
82	MP3A	Z	.217	.217	0	%100
83	MP2A	X	-.456	-.456	0	%100
84	MP2A	Z	.263	.263	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,%]
85	MP1A	X	-.376	-.376	0	%100
86	MP1A	Z	.217	.217	0	%100
87	MP4C	X	-.376	-.376	0	%100
88	MP4C	Z	.217	.217	0	%100
89	MP3C	X	-.376	-.376	0	%100
90	MP3C	Z	.217	.217	0	%100
91	MP2C	X	-.456	-.456	0	%100
92	MP2C	Z	.263	.263	0	%100
93	MP1C	X	-.376	-.376	0	%100
94	MP1C	Z	.217	.217	0	%100
95	MP4B	X	-.376	-.376	0	%100
96	MP4B	Z	.217	.217	0	%100
97	MP3B	X	-.376	-.376	0	%100
98	MP3B	Z	.217	.217	0	%100
99	MP2B	X	-.456	-.456	0	%100
100	MP2B	Z	.263	.263	0	%100
101	MP1B	X	-.376	-.376	0	%100
102	MP1B	Z	.217	.217	0	%100
103	OVP	X	-.343	-.343	0	%100
104	OVP	Z	.198	.198	0	%100
105	M118	X	-.513	-.513	0	%100
106	M118	Z	.296	.296	0	%100
107	M119	X	-.128	-.128	0	%100
108	M119	Z	.074	.074	0	%100
109	M120	X	-.128	-.128	0	%100
110	M120	Z	.074	.074	0	%100
111	M119A	X	-.114	-.114	0	0
112	M119A	Z	.066	.066	0	0
113	M120A	X	-.456	-.456	0	0
114	M120A	Z	.263	.263	0	0
115	M121	X	-.114	-.114	0	0
116	M121	Z	.066	.066	0	0

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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M72A	X	-.638	-.638	0	%100
4	M72A	Z	0	0	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	0	0	0	%100
9	M75	X	0	0	0	%100
10	M75	Z	0	0	0	%100
11	M78	X	-.448	-.448	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	-.448	-.448	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	-1.105	-1.105	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	-.839	-.839	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	-.869	-.869	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	-1.105	-1.105	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,%]
22	M89A	Z	0	0	0	%100
23	M90A	X	-.839	-.839	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	-.869	-.869	0	%100
26	M92	Z	0	0	0	%100
27	M25	X	-.159	-.159	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-.414	-.414	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-.414	-.414	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	-.824	-.824	0	%100
34	M28	Z	0	0	0	%100
35	M31	X	-.448	-.448	0	%100
36	M31	Z	0	0	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	0	0	0	%100
39	M37	X	-.276	-.276	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	-.276	-.276	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	-.839	-.839	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	-.869	-.869	0	%100
50	M45	Z	0	0	0	%100
51	M47	X	-.159	-.159	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	-.414	-.414	0	%100
54	M48	Z	0	0	0	%100
55	M49	X	-.414	-.414	0	%100
56	M49	Z	0	0	0	%100
57	M50	X	-.824	-.824	0	%100
58	M50	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	-.448	-.448	0	%100
62	M54	Z	0	0	0	%100
63	M59	X	-.276	-.276	0	%100
64	M59	Z	0	0	0	%100
65	M60	X	-.839	-.839	0	%100
66	M60	Z	0	0	0	%100
67	M62	X	-.869	-.869	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	-.276	-.276	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	0	0	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	0	0	0	%100
75	M68	X	-.48	-.48	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	-.48	-.48	0	%100
78	M69	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,%]
79	MP4A	X	-.435	-.435	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	-.435	-.435	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	-.526	-.526	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	-.435	-.435	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	-.435	-.435	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	-.435	-.435	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	-.526	-.526	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-.435	-.435	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	-.435	-.435	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	-.435	-.435	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	-.526	-.526	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-.435	-.435	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	-.396	-.396	0	%100
104	OVP	Z	0	0	0	%100
105	M118	X	-.444	-.444	0	%100
106	M118	Z	0	0	0	%100
107	M119	X	0	0	0	%100
108	M119	Z	0	0	0	%100
109	M120	X	-.444	-.444	0	%100
110	M120	Z	0	0	0	%100
111	M119A	X	0	0	0	0
112	M119A	Z	0	0	0	0
113	M120A	X	-.395	-.395	0	0
114	M120A	Z	0	0	0	0
115	M121	X	-.395	-.395	0	0
116	M121	Z	0	0	0	0

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	M20	X	-.139	-.139	0	%100
2	M20	Z	-.08	-.08	0	%100
3	M72A	X	-.414	-.414	0	%100
4	M72A	Z	-.239	-.239	0	%100
5	M73	X	-.119	-.119	0	%100
6	M73	Z	-.069	-.069	0	%100
7	M74	X	-.119	-.119	0	%100
8	M74	Z	-.069	-.069	0	%100
9	M75	X	-.238	-.238	0	%100
10	M75	Z	-.137	-.137	0	%100
11	M78	X	-.129	-.129	0	%100
12	M78	Z	-.075	-.075	0	%100
13	M79	X	-.518	-.518	0	%100
14	M79	Z	-.299	-.299	0	%100
15	M84	X	-.718	-.718	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,%]
16	M84	Z	-.414	-.414	0	%100
17	M85	X	-.969	-.969	0	%100
18	M85	Z	-.559	-.559	0	%100
19	M87A	X	-1.004	-1.004	0	%100
20	M87A	Z	-.58	-.58	0	%100
21	M89A	X	-.718	-.718	0	%100
22	M89A	Z	-.414	-.414	0	%100
23	M90A	X	-.242	-.242	0	%100
24	M90A	Z	-.14	-.14	0	%100
25	M92	X	-.251	-.251	0	%100
26	M92	Z	-.145	-.145	0	%100
27	M25	X	-.414	-.414	0	%100
28	M25	Z	-.239	-.239	0	%100
29	M26	X	-.119	-.119	0	%100
30	M26	Z	-.069	-.069	0	%100
31	M27	X	-.119	-.119	0	%100
32	M27	Z	-.069	-.069	0	%100
33	M28	X	-.238	-.238	0	%100
34	M28	Z	-.137	-.137	0	%100
35	M31	X	-.518	-.518	0	%100
36	M31	Z	-.299	-.299	0	%100
37	M32	X	-.129	-.129	0	%100
38	M32	Z	-.075	-.075	0	%100
39	M37	X	-.718	-.718	0	%100
40	M37	Z	-.414	-.414	0	%100
41	M38	X	-.242	-.242	0	%100
42	M38	Z	-.14	-.14	0	%100
43	M40	X	-.251	-.251	0	%100
44	M40	Z	-.145	-.145	0	%100
45	M42	X	-.718	-.718	0	%100
46	M42	Z	-.414	-.414	0	%100
47	M43	X	-.969	-.969	0	%100
48	M43	Z	-.559	-.559	0	%100
49	M45	X	-1.004	-1.004	0	%100
50	M45	Z	-.58	-.58	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	-.478	-.478	0	%100
54	M48	Z	-.276	-.276	0	%100
55	M49	X	-.478	-.478	0	%100
56	M49	Z	-.276	-.276	0	%100
57	M50	X	-.951	-.951	0	%100
58	M50	Z	-.549	-.549	0	%100
59	M53	X	-.129	-.129	0	%100
60	M53	Z	-.075	-.075	0	%100
61	M54	X	-.129	-.129	0	%100
62	M54	Z	-.075	-.075	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M60	X	-.242	-.242	0	%100
66	M60	Z	-.14	-.14	0	%100
67	M62	X	-.251	-.251	0	%100
68	M62	Z	-.145	-.145	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	-.242	-.242	0	%100
72	M65	Z	-.14	-.14	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,%]
73	M67	X	-.251	-.251	0	%100
74	M67	Z	-.145	-.145	0	%100
75	M68	X	-.139	-.139	0	%100
76	M68	Z	-.08	-.08	0	%100
77	M69	X	-.555	-.555	0	%100
78	M69	Z	-.32	-.32	0	%100
79	MP4A	X	-.376	-.376	0	%100
80	MP4A	Z	-.217	-.217	0	%100
81	MP3A	X	-.376	-.376	0	%100
82	MP3A	Z	-.217	-.217	0	%100
83	MP2A	X	-.456	-.456	0	%100
84	MP2A	Z	-.263	-.263	0	%100
85	MP1A	X	-.376	-.376	0	%100
86	MP1A	Z	-.217	-.217	0	%100
87	MP4C	X	-.376	-.376	0	%100
88	MP4C	Z	-.217	-.217	0	%100
89	MP3C	X	-.376	-.376	0	%100
90	MP3C	Z	-.217	-.217	0	%100
91	MP2C	X	-.456	-.456	0	%100
92	MP2C	Z	-.263	-.263	0	%100
93	MP1C	X	-.376	-.376	0	%100
94	MP1C	Z	-.217	-.217	0	%100
95	MP4B	X	-.376	-.376	0	%100
96	MP4B	Z	-.217	-.217	0	%100
97	MP3B	X	-.376	-.376	0	%100
98	MP3B	Z	-.217	-.217	0	%100
99	MP2B	X	-.456	-.456	0	%100
100	MP2B	Z	-.263	-.263	0	%100
101	MP1B	X	-.376	-.376	0	%100
102	MP1B	Z	-.217	-.217	0	%100
103	OVP	X	-.343	-.343	0	%100
104	OVP	Z	-.198	-.198	0	%100
105	M118	X	-.128	-.128	0	%100
106	M118	Z	-.074	-.074	0	%100
107	M119	X	-.128	-.128	0	%100
108	M119	Z	-.074	-.074	0	%100
109	M120	X	-.513	-.513	0	%100
110	M120	Z	-.296	-.296	0	%100
111	M119A	X	-.114	-.114	0	0
112	M119A	Z	-.066	-.066	0	0
113	M120A	X	-.114	-.114	0	0
114	M120A	Z	-.066	-.066	0	0
115	M121	X	-.456	-.456	0	0
116	M121	Z	-.263	-.263	0	0

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	M20	X	-.24	-.24	0	%100
2	M20	Z	-.416	-.416	0	%100
3	M72A	X	-.08	-.08	0	%100
4	M72A	Z	-.138	-.138	0	%100
5	M73	X	-.207	-.207	0	%100
6	M73	Z	-.358	-.358	0	%100
7	M74	X	-.207	-.207	0	%100
8	M74	Z	-.358	-.358	0	%100
9	M75	X	-.412	-.412	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,%]
10	M75	Z	-.713	-.713	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	-.224	-.224	0	%100
14	M79	Z	-.388	-.388	0	%100
15	M84	X	-.138	-.138	0	%100
16	M84	Z	-.239	-.239	0	%100
17	M85	X	-.419	-.419	0	%100
18	M85	Z	-.726	-.726	0	%100
19	M87A	X	-.435	-.435	0	%100
20	M87A	Z	-.753	-.753	0	%100
21	M89A	X	-.138	-.138	0	%100
22	M89A	Z	-.239	-.239	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	0	0	0	%100
27	M25	X	-.319	-.319	0	%100
28	M25	Z	-.553	-.553	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M31	X	-.224	-.224	0	%100
36	M31	Z	-.388	-.388	0	%100
37	M32	X	-.224	-.224	0	%100
38	M32	Z	-.388	-.388	0	%100
39	M37	X	-.552	-.552	0	%100
40	M37	Z	-.957	-.957	0	%100
41	M38	X	-.419	-.419	0	%100
42	M38	Z	-.726	-.726	0	%100
43	M40	X	-.435	-.435	0	%100
44	M40	Z	-.753	-.753	0	%100
45	M42	X	-.552	-.552	0	%100
46	M42	Z	-.957	-.957	0	%100
47	M43	X	-.419	-.419	0	%100
48	M43	Z	-.726	-.726	0	%100
49	M45	X	-.435	-.435	0	%100
50	M45	Z	-.753	-.753	0	%100
51	M47	X	-.08	-.08	0	%100
52	M47	Z	-.138	-.138	0	%100
53	M48	X	-.207	-.207	0	%100
54	M48	Z	-.358	-.358	0	%100
55	M49	X	-.207	-.207	0	%100
56	M49	Z	-.358	-.358	0	%100
57	M50	X	-.412	-.412	0	%100
58	M50	Z	-.713	-.713	0	%100
59	M53	X	-.224	-.224	0	%100
60	M53	Z	-.388	-.388	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	0	0	0	%100
63	M59	X	-.138	-.138	0	%100
64	M59	Z	-.239	-.239	0	%100
65	M60	X	0	0	0	%100
66	M60	Z	0	0	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,%]
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	-.138	-.138	0	%100
70	M64	Z	-.239	-.239	0	%100
71	M65	X	-.419	-.419	0	%100
72	M65	Z	-.726	-.726	0	%100
73	M67	X	-.435	-.435	0	%100
74	M67	Z	-.753	-.753	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	-.24	-.24	0	%100
78	M69	Z	-.416	-.416	0	%100
79	MP4A	X	-.217	-.217	0	%100
80	MP4A	Z	-.376	-.376	0	%100
81	MP3A	X	-.217	-.217	0	%100
82	MP3A	Z	-.376	-.376	0	%100
83	MP2A	X	-.263	-.263	0	%100
84	MP2A	Z	-.456	-.456	0	%100
85	MP1A	X	-.217	-.217	0	%100
86	MP1A	Z	-.376	-.376	0	%100
87	MP4C	X	-.217	-.217	0	%100
88	MP4C	Z	-.376	-.376	0	%100
89	MP3C	X	-.217	-.217	0	%100
90	MP3C	Z	-.376	-.376	0	%100
91	MP2C	X	-.263	-.263	0	%100
92	MP2C	Z	-.456	-.456	0	%100
93	MP1C	X	-.217	-.217	0	%100
94	MP1C	Z	-.376	-.376	0	%100
95	MP4B	X	-.217	-.217	0	%100
96	MP4B	Z	-.376	-.376	0	%100
97	MP3B	X	-.217	-.217	0	%100
98	MP3B	Z	-.376	-.376	0	%100
99	MP2B	X	-.263	-.263	0	%100
100	MP2B	Z	-.456	-.456	0	%100
101	MP1B	X	-.217	-.217	0	%100
102	MP1B	Z	-.376	-.376	0	%100
103	OVP	X	-.198	-.198	0	%100
104	OVP	Z	-.343	-.343	0	%100
105	M118	X	0	0	0	%100
106	M118	Z	0	0	0	%100
107	M119	X	-.222	-.222	0	%100
108	M119	Z	-.385	-.385	0	%100
109	M120	X	-.222	-.222	0	%100
110	M120	Z	-.385	-.385	0	%100
111	M119A	X	-.197	-.197	0	0
112	M119A	Z	-.342	-.342	0	0
113	M120A	X	0	0	0	0
114	M120A	Z	0	0	0	0
115	M121	X	-.197	-.197	0	0
116	M121	Z	-.342	-.342	0	0

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	M31	Y	-2.356	-4.541	0	.793
2	M31	Y	-4.541	-6.018	.793	1.586
3	M31	Y	-6.018	-7.77	1.586	2.379

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M31	Y	-7.77	-7.475	2.379	3.172
5	M31	Y	-7.475	-4.145	3.172	3.965
6	M32	Y	-4.166	-7.563	0	.793
7	M32	Y	-7.563	-7.938	.793	1.587
8	M32	Y	-7.938	-6.372	1.587	2.38
9	M32	Y	-6.372	-4.807	2.38	3.173
10	M32	Y	-4.807	-2.16	3.173	3.967
11	M53	Y	-2.356	-4.541	0	.793
12	M53	Y	-4.541	-6.018	.793	1.586
13	M53	Y	-6.018	-7.77	1.586	2.379
14	M53	Y	-7.77	-7.475	2.379	3.172
15	M53	Y	-7.475	-4.145	3.172	3.965
16	M54	Y	-4.166	-7.563	0	.793
17	M54	Y	-7.563	-7.938	.793	1.587
18	M54	Y	-7.938	-6.372	1.587	2.38
19	M54	Y	-6.372	-4.807	2.38	3.173
20	M54	Y	-4.807	-2.16	3.173	3.967
21	M78	Y	-2.36	-4.543	0	.793
22	M78	Y	-4.543	-6.018	.793	1.586
23	M78	Y	-6.018	-7.77	1.586	2.379
24	M78	Y	-7.77	-7.474	2.379	3.172
25	M78	Y	-7.474	-4.145	3.172	3.965
26	M79	Y	-4.175	-7.565	0	.793
27	M79	Y	-7.565	-7.934	.793	1.587
28	M79	Y	-7.934	-6.368	1.587	2.38
29	M79	Y	-6.368	-4.805	2.38	3.173
30	M79	Y	-4.805	-2.158	3.173	3.967

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M31	Y	-4.443	-8.565	0	.793
2	M31	Y	-8.565	-11.35	.793	1.586
3	M31	Y	-11.35	-14.656	1.586	2.379
4	M31	Y	-14.656	-14.098	2.379	3.172
5	M31	Y	-14.098	-7.817	3.172	3.965
6	M32	Y	-7.858	-14.264	0	.793
7	M32	Y	-14.264	-14.972	.793	1.587
8	M32	Y	-14.972	-12.019	1.587	2.38
9	M32	Y	-12.019	-9.066	2.38	3.173
10	M32	Y	-9.066	-4.075	3.173	3.967
11	M53	Y	-4.443	-8.565	0	.793
12	M53	Y	-8.565	-11.35	.793	1.586
13	M53	Y	-11.35	-14.656	1.586	2.379
14	M53	Y	-14.656	-14.098	2.379	3.172
15	M53	Y	-14.098	-7.817	3.172	3.965
16	M54	Y	-7.858	-14.264	0	.793
17	M54	Y	-14.264	-14.972	.793	1.587
18	M54	Y	-14.972	-12.019	1.587	2.38
19	M54	Y	-12.019	-9.066	2.38	3.173
20	M54	Y	-9.066	-4.075	3.173	3.967
21	M78	Y	-4.451	-8.569	0	.793
22	M78	Y	-8.569	-11.351	.793	1.586
23	M78	Y	-11.351	-14.656	1.586	2.379
24	M78	Y	-14.656	-14.097	2.379	3.172
25	M78	Y	-14.097	-7.818	3.172	3.965
26	M79	Y	-7.875	-14.27	0	.793

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,%]
27	M79	Y	-14.27	-14.965	.793	1.587
28	M79	Y	-14.965	-12.011	1.587	2.38
29	M79	Y	-12.011	-9.062	2.38	3.173
30	M79	Y	-9.062	-4.07	3.173	3.967

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M31	Y	-.097	-.188	0	.793
2	M31	Y	-.188	-.249	.793	1.586
3	M31	Y	-.249	-.321	1.586	2.379
4	M31	Y	-.321	-.309	2.379	3.172
5	M31	Y	-.309	-.171	3.172	3.965
6	M32	Y	-.172	-.313	0	.793
7	M32	Y	-.313	-.328	.793	1.587
8	M32	Y	-.328	-.263	1.587	2.38
9	M32	Y	-.263	-.199	2.38	3.173
10	M32	Y	-.199	-.089	3.173	3.967
11	M53	Y	-.097	-.188	0	.793
12	M53	Y	-.188	-.249	.793	1.586
13	M53	Y	-.249	-.321	1.586	2.379
14	M53	Y	-.321	-.309	2.379	3.172
15	M53	Y	-.309	-.171	3.172	3.965
16	M54	Y	-.172	-.313	0	.793
17	M54	Y	-.313	-.328	.793	1.587
18	M54	Y	-.328	-.263	1.587	2.38
19	M54	Y	-.263	-.199	2.38	3.173
20	M54	Y	-.199	-.089	3.173	3.967
21	M78	Y	-.098	-.188	0	.793
22	M78	Y	-.188	-.249	.793	1.586
23	M78	Y	-.249	-.321	1.586	2.379
24	M78	Y	-.321	-.309	2.379	3.172
25	M78	Y	-.309	-.171	3.172	3.965
26	M79	Y	-.173	-.313	0	.793
27	M79	Y	-.313	-.328	.793	1.587
28	M79	Y	-.328	-.263	1.587	2.38
29	M79	Y	-.263	-.199	2.38	3.173
30	M79	Y	-.199	-.089	3.173	3.967

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M31	Z	-.244	-.47	0	.793
2	M31	Z	-.47	-.623	.793	1.586
3	M31	Z	-.623	-.804	1.586	2.379
4	M31	Z	-.804	-.773	2.379	3.172
5	M31	Z	-.773	-.429	3.172	3.965
6	M32	Z	-.431	-.782	0	.793
7	M32	Z	-.782	-.821	.793	1.587
8	M32	Z	-.821	-.659	1.587	2.38
9	M32	Z	-.659	-.497	2.38	3.173
10	M32	Z	-.497	-.224	3.173	3.967
11	M53	Z	-.244	-.47	0	.793
12	M53	Z	-.47	-.623	.793	1.586
13	M53	Z	-.623	-.804	1.586	2.379
14	M53	Z	-.804	-.773	2.379	3.172
15	M53	Z	-.773	-.429	3.172	3.965
16	M54	Z	-.431	-.782	0	.793

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,%]
17	M54	Z	-.782	-.821	.793	1.587
18	M54	Z	-.821	-.659	1.587	2.38
19	M54	Z	-.659	-.497	2.38	3.173
20	M54	Z	-.497	-.224	3.173	3.967
21	M78	Z	-.244	-.47	0	.793
22	M78	Z	-.47	-.623	.793	1.586
23	M78	Z	-.623	-.804	1.586	2.379
24	M78	Z	-.804	-.773	2.379	3.172
25	M78	Z	-.773	-.429	3.172	3.965
26	M79	Z	-.432	-.783	0	.793
27	M79	Z	-.783	-.821	.793	1.587
28	M79	Z	-.821	-.659	1.587	2.38
29	M79	Z	-.659	-.497	2.38	3.173
30	M79	Z	-.497	-.223	3.173	3.967

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M31	X	.244	.47	0	.793
2	M31	X	.47	.623	.793	1.586
3	M31	X	.623	.804	1.586	2.379
4	M31	X	.804	.773	2.379	3.172
5	M31	X	.773	.429	3.172	3.965
6	M32	X	.431	.782	0	.793
7	M32	X	.782	.821	.793	1.587
8	M32	X	.821	.659	1.587	2.38
9	M32	X	.659	.497	2.38	3.173
10	M32	X	.497	.224	3.173	3.967
11	M53	X	.244	.47	0	.793
12	M53	X	.47	.623	.793	1.586
13	M53	X	.623	.804	1.586	2.379
14	M53	X	.804	.773	2.379	3.172
15	M53	X	.773	.429	3.172	3.965
16	M54	X	.431	.782	0	.793
17	M54	X	.782	.821	.793	1.587
18	M54	X	.821	.659	1.587	2.38
19	M54	X	.659	.497	2.38	3.173
20	M54	X	.497	.224	3.173	3.967
21	M78	X	.244	.47	0	.793
22	M78	X	.47	.623	.793	1.586
23	M78	X	.623	.804	1.586	2.379
24	M78	X	.804	.773	2.379	3.172
25	M78	X	.773	.429	3.172	3.965
26	M79	X	.432	.783	0	.793
27	M79	X	.783	.821	.793	1.587
28	M79	X	.821	.659	1.587	2.38
29	M79	X	.659	.497	2.38	3.173
30	M79	X	.497	.223	3.173	3.967

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N43	N42	N38	N39	Y	Two Way	-.005
2	N66	N67	N71	N70	Y	Two Way	-.005
3	N117	N116A	N121	N122	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N43	N42	N38	N39	Y	Two Way	-.01
2	N66	N67	N71	N70	Y	Two Way	-.01
3	N117	N116A	N121	N122	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N43	N42	N38	N39	Y	Two Way	-.000215
2	N66	N67	N71	N70	Y	Two Way	-.000215
3	N117	N116A	N121	N122	Y	Two Way	-.000215

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N43	N42	N38	N39	Z	Two Way	-.000538
2	N66	N67	N71	N70	Z	Two Way	-.000538
3	N117	N116A	N121	N122	Z	Two Way	-.000538

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N43	N42	N38	N39	X	Two Way	.000538
2	N66	N67	N71	N70	X	Two Way	.000538
3	N117	N116A	N121	N122	X	Two Way	.000538

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	N112A	max	878.704	10	2234.592	17	1167.051	1	4.046	13	1.121	4	.131	4
2		min	-883.559	4	754.298	70	-1308.533	7	1.36	70	-1.12	10	-.203	10
3	N34	max	926.945	9	2010.808	20	865.053	1	-.665	66	.929	12	-.986	66
4		min	-1091.059	3	668.155	66	-790.84	7	-2.378	44	-.962	6	-2.994	24
5	N62	max	1129.513	10	2055.994	23	819.243	1	-.634	74	1.005	8	3.324	23
6		min	-959.927	4	691.006	74	-751.976	7	-1.908	19	-1.001	2	1.113	74
7	Totals:	max	2889.179	10	6291.796	15	2851.347	1						
8		min	-2889.18	4	2160.105	75	-2851.349	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M20	PIPE 3.0	.130	5.043	17	.048	8.646		13	23365.174	65205	5.749	5.749	2...	H1-1b
2	M72A	HSS4X4X4	.350	0	16	.089	0	y	22	98544.541	106155	12.311	12.311	3...	H1-1b
3	M73	HSS4X4X4	.182	2.406	14	.044	2.406	y	21	104215.7...	106155	12.311	12.311	1...	H1-1b
4	M74	HSS4X4X4	.190	0	24	.052	0	y	17	104215.7...	106155	12.311	12.311	1...	H1-1b
5	M75	PL1/2X6	.160	.547	6	.112	.228	y	12	61891.815	94500	.984	11.813	1...	H1-1b
6	M78	L2x2x3	.109	3.965	3	.012	3.965	y	22	10573.952	22743	.542	1.098	1...	H2-1
7	M79	L2x2x3	.124	0	11	.012	0	y	16	10568.342	22743	.542	1.089	1...	H2-1
8	M84	PL3/8x6	.114	0	4	.090	0	y	17	69325.094	70875	.554	8.859	1...	H1-1b
9	M85	PL3/8x6	.075	0	4	.091	0	y	17	69647.547	70875	.554	8.859	1...	H1-1b
10	M87A	PL1/2X6	.053	.125	5	.014	.125	y	50	93979.077	94500	.984	11.813	1...	H1-1b
11	M89A	PL3/8x6	.115	0	4	.170	0	y	21	69325.094	70875	.554	8.859	1...	H1-1b
12	M90A	PL3/8x6	.071	0	10	.085	0	y	21	69647.547	70875	.554	8.859	1...	H1-1b
13	M92	PL1/2X6	.048	.125	9	.016	0	y	40	93979.077	94500	.984	11.813	1...	H1-1b
14	M25	HSS4X4X4	.316	0	18	.124	0	y	41	98544.541	106155	12.311	12.311	3...	H1-1b
15	M26	HSS4X4X4	.176	2.406	16	.040	2.406	y	16	104215.7...	106155	12.311	12.311	1...	H1-1b
16	M27	HSS4X4X4	.192	0	14	.056	0	y	37	104215.7...	106155	12.311	12.311	1...	H1-1b
17	M28	PL1/2X6	.172	.547	4	.118	.228	y	8	61891.815	94500	.984	11.813	1...	H1-1b

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

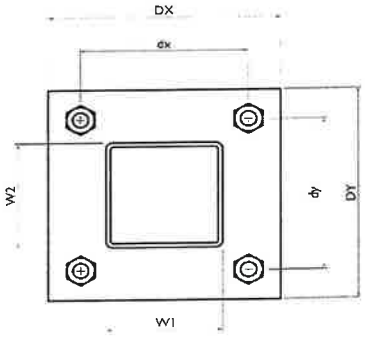
	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
18	M31	L2x2x3	.114	3.965	10	.012	3.965	y	14	10573.952	22743	.542	1.069	1...	H2-1
19	M32	L2x2x3	.128	0	8	.012	0	y	24	10568.342	22743	.542	1.068	1...	H2-1
20	M37	PL3/8x6	.117	0	12	.130	0	y	44	69325.094	70875	.554	8.859	1...	H1-1b
21	M38	PL3/8x6	.075	0	12	.091	0	y	15	69647.547	70875	.554	8.859	1...	H1-1b
22	M40	PL1/2X6	.048	.125	1	.079	0	y	45	93979.077	94500	.984	11.813	1	H1-1b
23	M42	PL3/8x6	.099	0	12	.180	0	y	16	69325.094	70875	.554	8.859	2...	H1-1b
24	M43	PL3/8x6	.065	.167	4	.081	0	y	16	69647.547	70875	.554	8.859	1...	H1-1b
25	M45	PL1/2X6	.045	.125	5	.033	.125	y	38	93979.077	94500	.984	11.813	1...	H1-1b
26	M47	HSS4X4X4	.336	0	14	.104	0	y	33	98544.541	106155	12.311	12.311	3...	H1-1b
27	M48	HSS4X4X4	.186	2.406	18	.045	2.406	y	24	104215.7...	106155	12.311	12.311	1...	H1-1b
28	M49	HSS4X4X4	.186	0	16	.046	0	y	22	104215.7...	106155	12.311	12.311	1...	H1-1b
29	M50	PL1/2X6	.177	.547	10	.096	.547	y	24	61891.815	94500	.984	11.813	1...	H1-1b
30	M53	L2x2x3	.117	3.965	6	.012	3.965	y	14	10573.952	22743	.542	1.069	1...	H2-1
31	M54	L2x2x3	.128	0	4	.011	0	y	20	10568.342	22743	.542	1.068	1...	H2-1
32	M59	PL3/8x6	.114	0	8	.150	0	y	22	69325.094	70875	.554	8.859	1...	H1-1b
33	M60	PL3/8x6	.079	0	8	.085	0	y	23	69647.547	70875	.554	8.859	1...	H1-1b
34	M62	PL1/2X6	.056	.125	9	.018	0	y	16	93979.077	94500	.984	11.813	1	H1-1b
35	M64	PL3/8x6	.108	0	8	.169	0	y	24	69325.094	70875	.554	8.859	2...	H1-1b
36	M65	PL3/8x6	.076	0	2	.086	0	y	23	69647.547	70875	.554	8.859	1...	H1-1b
37	M67	PL1/2X6	.046	.125	1	.016	0	y	30	93979.077	94500	.984	11.813	1...	H1-1b
38	M68	PIPE_3.0	.127	5.312	13	.054	5.312		22	22278.571	65205	5.749	5.749	2...	H1-1b
39	M69	PIPE_3.0	.136	4.983	21	.058	6.833		16	23938.531	65205	5.749	5.749	2...	H1-1b
40	MP4A	PIPE_2.0	.158	2.625	50	.037	.688		50	20866.733	32130	1.872	1.872	4...	H1-1b
41	MP3A	PIPE_2.0	.149	2.625	14	.049	2.625		18	20866.733	32130	1.872	1.872	4...	H1-1b
42	MP2A	PIPE_2.5	.134	2.625	1	.032	4.063		10	37773.818	50715	3.596	3.596	2...	H1-1b
43	MP1A	PIPE_2.0	.222	2.625	24	.047	2.625		24	20866.733	32130	1.872	1.872	4...	H1-1b
44	MP4C	PIPE_2.0	.106	2.688	9	.019	2.688		5	20866.733	32130	1.872	1.872	1...	H1-1b
45	MP3C	PIPE_2.0	.222	2.625	22	.090	2.625		14	20866.733	32130	1.872	1.872	4...	H1-1b
46	MP2C	PIPE_2.5	.121	2.688	10	.033	.938		6	37773.818	50715	3.596	3.596	1...	H1-1b
47	MP1C	PIPE_2.0	.229	2.625	21	.048	2		15	20866.733	32130	1.872	1.872	1...	H1-1b
48	MP4B	PIPE_2.0	.129	2.625	18	.030	.938		9	20866.733	32130	1.872	1.872	1...	H1-1b
49	MP3B	PIPE_2.0	.154	2.625	18	.061	2.625		20	20866.733	32130	1.872	1.872	2...	H1-1b
50	MP2B	PIPE_2.5	.116	2.625	5	.033	2.688		2	37773.818	50715	3.596	3.596	1...	H1-1b
51	MP1B	PIPE_2.0	.237	2.625	15	.055	1.938		24	20866.733	32130	1.872	1.872	3...	H1-1b
52	OVP	PIPE_2.0	.145	3.5	2	.012	3.5		2	26521.424	32130	1.872	1.872	1...	H1-1b
53	M118	L3X3X4	.051	0	14	.025	0	y	50	45284.759	46656	1.688	3.756	1...	H2-1
54	M119	L3X3X4	.074	0	18	.007	1.16	y	18	45284.759	46656	1.688	3.756	1...	H2-1
55	M120	L3X3X4	.097	0	23	.023	0	z	26	45284.375	46656	1.688	3.756	1...	H2-1
56	M119A	PIPE_2.5	.100	6.528	22	.028	6.667		16	12795.813	50715	3.596	3.596	2...	H1-1b
57	M120A	PIPE_2.5	.105	6.528	18	.044	.972		14	12795.813	50715	3.596	3.596	1...	H1-1b
58	M121	PIPE_2.5	.110	6.528	14	.033	6.667		20	12795.813	50715	3.596	3.596	2...	H1-1b

VzW SMART Tool© Vendor

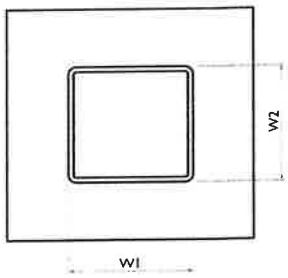
Client:	Verizon Wireless	Date:	7/6/2023
Site Name:	WATERBURY EAST CT		
MDG #:	5000382125		
Fuze ID #:	17041976	Page:	1
			Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	7
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	3.6
Required Shear Strength / bolt (kips):	0.6
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	17.6%



Tower Connection Baseplate Checks	Yes
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	10
Plate Height, D_y (in):	10
W1(in):	4
W2 (in):	4
Member Thickness (in):	0.25
Stiffener location a_1 (in):	
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.5
Length of Yield Line, L_y (in):	7.75
Bolt Eccentricity, e (in):	2.35
M_u (kip-in):	8.58
Phi*M_n (kip-in):	15.69
Plate Bending Utilization:	54.7%



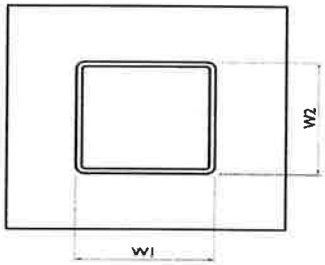
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/6/2023
Site Name:	WATERBURY EAST CT		
MDG #:	5000382125		
Fuze ID #:	17041976	Page:	2

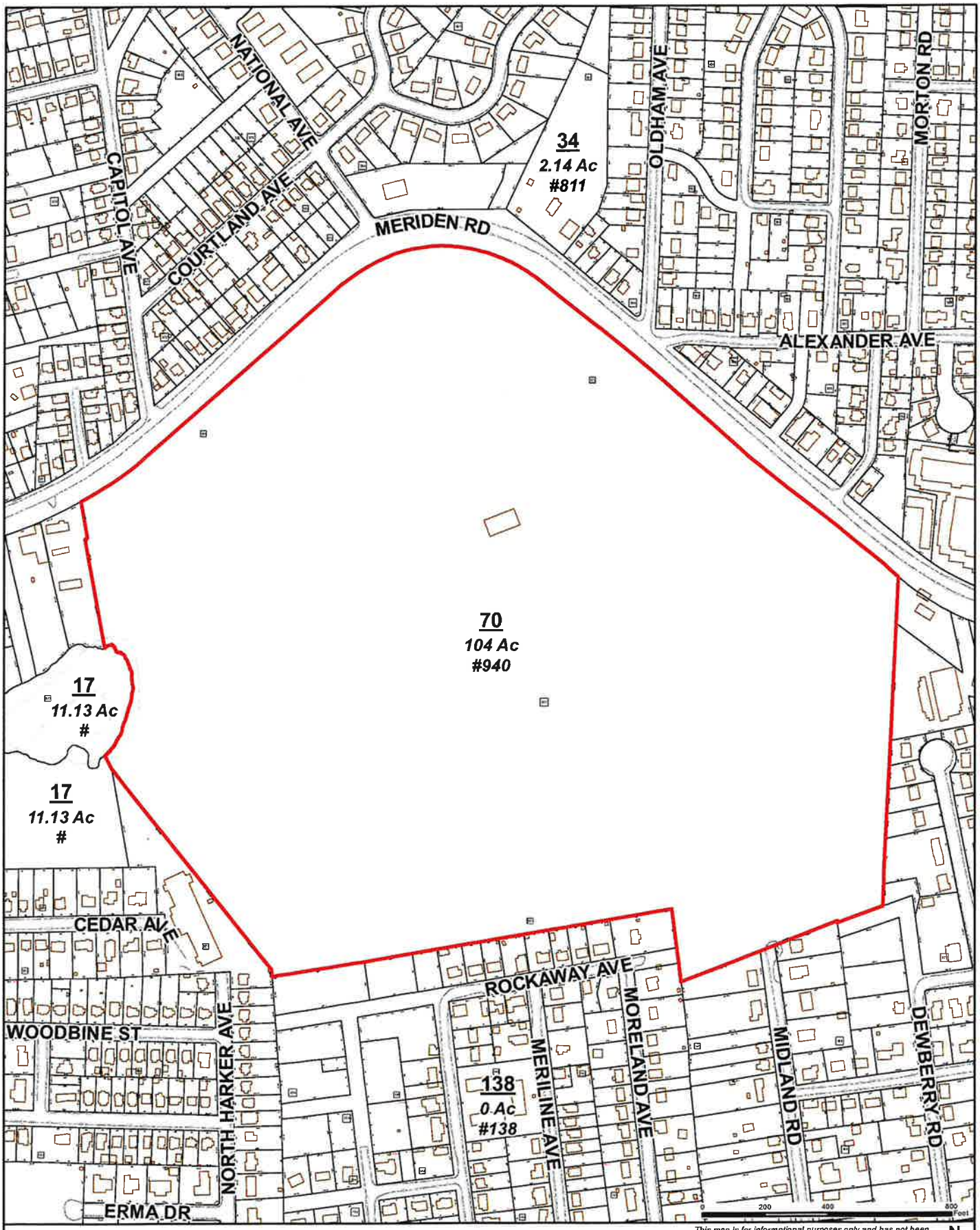
Version 1.01

Tower Connection Weld Checks

	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2.25
c_y (in)	2.25
Required combined strength (kip/in):	1.62
Weld Capacity (kip/in):	5.57
Weld Utilization:	29.0%



ATTACHMENT 4



City of Waterbury
Public Works Department

MBL: **0302-0377-0070**

ADDRESS: 940 MERIDEN RD

This map is for informational purposes only and has not been prepared for, or suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to verify the usability of the information. The City of Waterbury makes no warranties, express or implied, as to the use of the information obtained herein.

N

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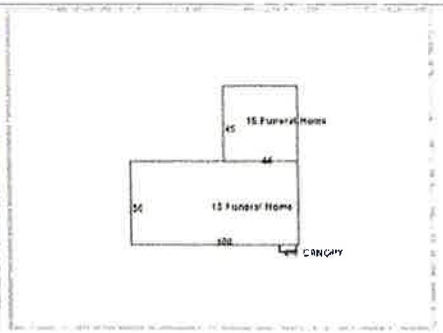
- Links

Print Info

Assessor Info
Building Info
Property Value
Sales History
Permit Info
Property Maps
eQuality Site

Location: 940 MERIDEN RD **Owner:** PINE GROVE CEMETERY ASSOCIATION



Map Block Lot:	0302-0377-0070	**Acres:**	104
Primary Use:	Church - Sanctuary (Chapel)	**Zone:**	RL
Neighborhood:	71000-Exempt	**Vol/Page:**	368 / 217

Mailing Address:
PINE GROVE CEMETERY ASSOCIATION
850 MERIDEN RD
WATERBURY, CT 067050000

Eligible Programs:
Come Home to Downtown: No
New Market Tax Credit: Yes
Enterprise Zone: No
Opportunity Zone: No

Back

ATTACHMENT 5

Verizon/Waterbury East

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 08/07/2023 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.	Neil O'Leary, Mayor City of Waterbury 235 Grand Street Waterbury, CT 06702				
2.	Robert Nerney, City Planner City of Waterbury 185 Jefferson Street, 5th Floor Waterbury, CT 06702				
3.	Pine Group Cemetery Association 850 Meriden Road Waterbury, CT 06705				
4.					
5.					
6.					

STATE HOUSE STATION 06103 AUG - 7 2023

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See Reverse for Instructions