

July 27, 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  
99 Knowlton Hill Road, Ashford, Connecticut**

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains an existing wireless telecommunications facility at the above-referenced property address (the “Property”). Cellco’s facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. The existing facility was approved by the Siting Council (“Council”) in October of 2004 (Docket No. 291). A copy of the Council’s Docket No. 291 Decision and Order is included in Attachment 1.

Cellco’s proposed modification involves the installation of two (2) interference mitigation filters (“filter”) on the 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 Ashford’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 antennas.

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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, 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:

William Falletti, First Selectman  
Michael D'Amato, AICP, Zoning Officer  
Thomas Knowlton, Property Owner  
Kamoya Bautista, Verizon Wireless

# **ATTACHMENT 1**

<b>DOCKET NO. 291</b> - National Grid Communications, Inc. application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at one of two sites located on Knowlton Hill Road, Ashford, Connecticut	}	Connecticut
	}	Siting
	}	Council
		October 26, 2004

## Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Tower Ventures II, LLC, hereinafter referred to as the Certificate Holder, at Site A-1, located on parcel 43/E/4, Knowlton Hill Road, Ashford, Connecticut. The Council denies certification of Site A-2, located on parcel 43/E/4, Knowlton Hill Road, Ashford, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of Omnipoint Communications and other entities, both public and private, but such tower shall not exceed a height of 150 feet above ground level, including appurtenances. The tower and foundation shall be designed and constructed with the ability to be extended to 180 feet above ground level, with such extension subject to Council approval by petition for a declaratory ruling, pursuant to Sections 16-50j-38 through 16-50j-40 of the Regulations of Connecticut State Agencies.
  
2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Ashford, for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:

- a. a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment building, access road, utility line, and landscaping; and
  - b. construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case

modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any municipal antennas, provided such antennas are compatible with the structural integrity of the tower.
7. If the facility does not initially provide wireless services within one year of completion of construction or ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
8. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.
9. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved. Any request for extension of this period shall be filed with the Council not later than sixty days prior to the expiration date of this Certificate and shall be served on all parties and

intervenors and the Town of Ashford, as listed in the service list. Any proposed modifications to this Decision and Order shall likewise be so served.

Pursuant to General Statutes § 16-50p, the Council hereby directs that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the Hartford Courant and the Willimantic Chronicle.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

<p><b><u>Applicant</u></b></p> <p>Tower Ventures II, LLC</p>	<p><b><u>Its Representative</u></b></p> <p>David Vivian Senior Vice President Tower Ventures II, LLC 733 Chapin Street, Suite 200F Ludlow, MA 01056</p> <p>Benjamin Proto, Esq. 2090 Cutspring Road Stratford, CT 06614</p> <p>Kenneth Ira Spigle, Esq. 170 Westminster Street, Suite 701 Providence, RI 02903</p>
<p><b><u>Intervenor</u></b></p> <p>Omnipoint Communications, Inc.</p>	<p><b><u>Its Representative</u></b></p> <p>Stephen J. Humes, Esq. McCarter &amp; English, LLP CityPlace I 185 Asylum Street Hartford, CT 06103</p>

# **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

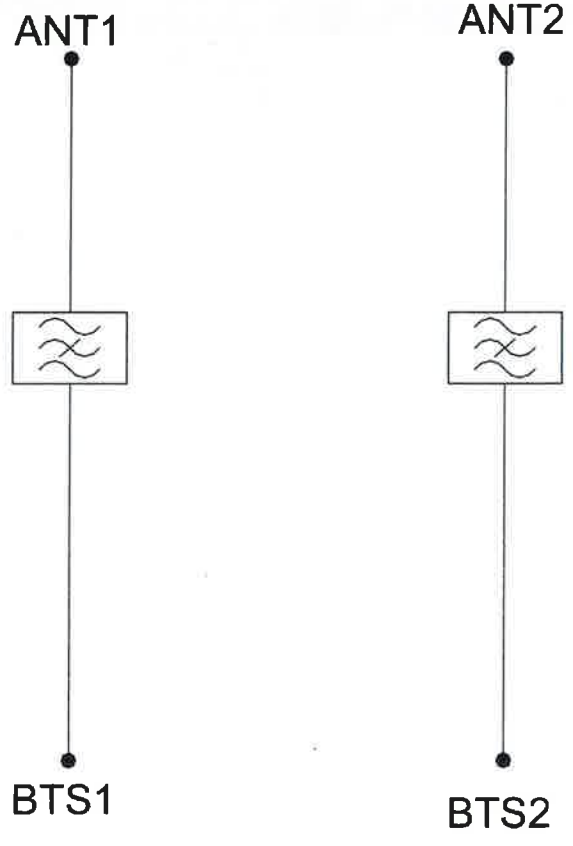
BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894.1 - 896.5MHz	
<b>ELECTRICAL</b>		
Impedance	50Ohms	
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm	
<b>DC / AISG</b>		
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	
<b>ENVIRONMENTAL</b>		
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	
<b>MECHANICAL</b>		
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.	



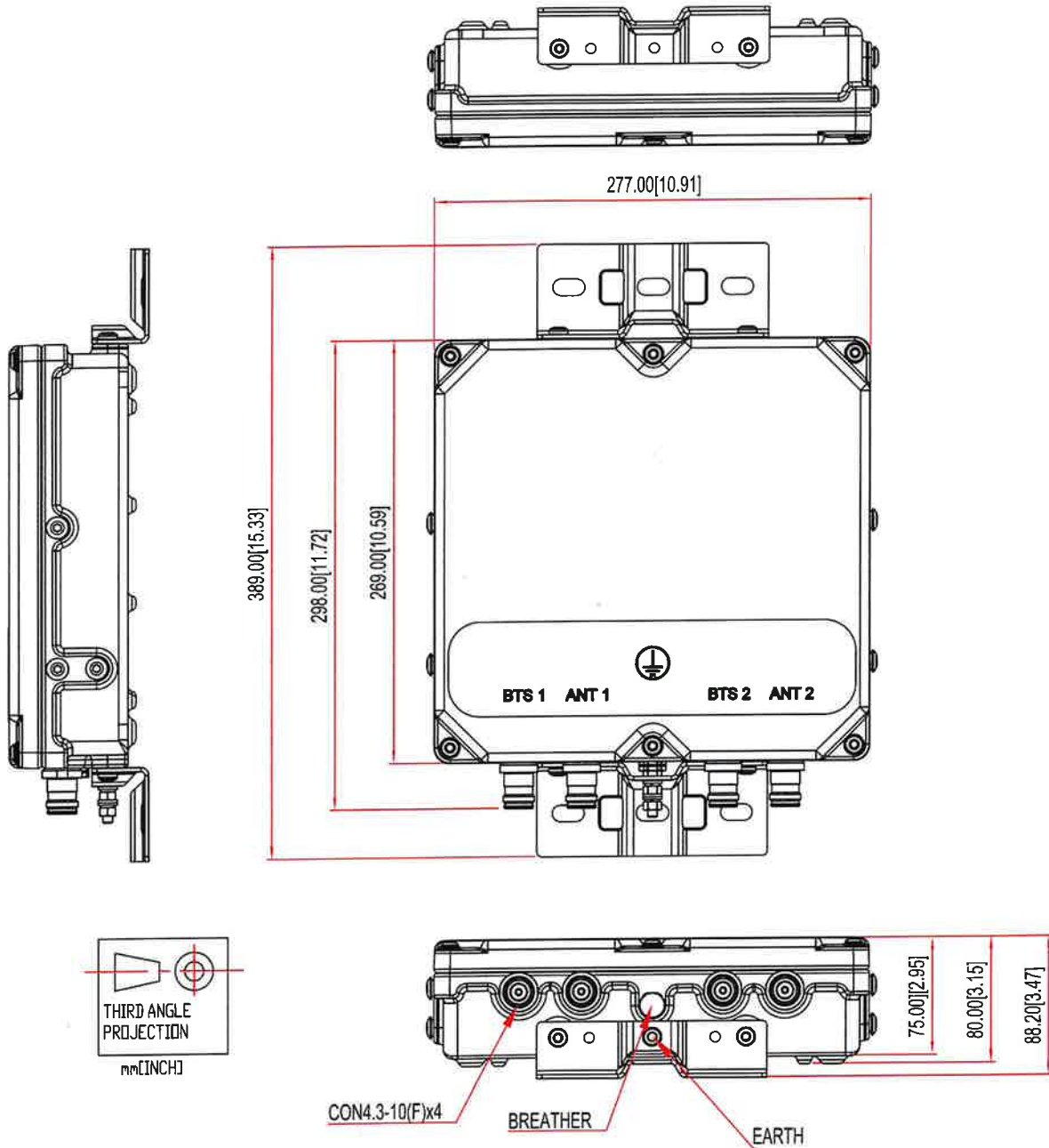
## ORDERING INFORMATION

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



**MECHANICAL BLOCK DIAGRAM**



# **ATTACHMENT 3**

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

T + 561 995 7670  
F + 561 995 7626

sbsite.com



## Structural Analysis Report

### Client: Verizon

Client Site ID / Name: 5000247929 / ASHFORD WEST 2 CT  
Application #: 232179, v2

SBA Site ID / Name: CT13614-A / Knowlton

150 ft Monopole

99 Knowlton Hill Rd  
Ashford, Connecticut 06278  
Lat: 41.840778, Long: -72.207520

Project number: CT13614-VZW-070523

### Analysis Results

Tower	51.6%	Pass
Foundation	49.0%	Pass

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

Prepared by:

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Reviewed by:

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July 7, 2023



*[Handwritten signature]*  
07/07/23

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## Introduction

The purpose of this report is to summarize the analysis results on the 149 ft Monopole to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document
<b>Tower design/drawings</b>	Sabre, Job No. 06-06307, dated on June 29, 2005
<b>Foundation drawings</b>	Sabre, Job No. 06-06307, dated on June 29, 2005
<b>Geotechnical report</b>	JGI Eastern, Inc.: Project No. 05360G, dated on June 28, 2005
<b>Mount Analysis</b>	Maser Consulting, Project # 20777637A, dated 6/25/2021
<b>Latest SA</b>	SBA, Project # CT13614-TMO-041122, dated 4/12/2022

## Analysis Criteria

Table 2 Code Related Data

<b>Jurisdiction (State/County/City)</b>	Connecticut/Windham/Ashford
<b>Governing Codes</b>	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 Connecticut Building Code
<b>Ultimate Wind Speed (3-Sec gust)</b>	119.0 mph
<b>Wind Speed with Ice (3-Sec gust)</b>	50 mph
<b>Service Wind Speed (3-Sec gust)</b>	60 mph
<b>Ice Thickness</b>	1.50"
<b>Risk Category</b>	II
<b>Exposure Category</b>	C
<b>Topographic Category</b>	1
<b>Crest Height</b>	0 ft
<b>Ground Elevation</b>	662.70 ft.
<b>Seismic Parameter <math>S_s</math></b>	0.183
<b>Seismic Parameter <math>S_1</math></b>	0.055

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



## Appurtenance Loading

### Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	147.0	6	Ericsson KRY 112 489/2 TMA	Low Profile Platform w/ Handrails [SitePro1 HRK12-U] + Platform Reinforcement Kit [SitePro1 PRK-1245L]	(14) 1 5/8" (1) 1-5/8" Fiber (2) 1.9" Fiber	T-Mobile
2		3	Ericsson AIR6419 B41 - Panel			
3		3	RFS APXVAALL24_43-U-NA20 - Panel			
4		3	Commscope VV-65A-R1 - Panel			
5		3	Ericsson 4449 B71 + B85			
6		3	Ericsson 4460 B25 + B66			
7		3	Kathrein 782 11056 Bias Ts			
8	137.0	6	Powerwave 7770 - Panel	Low Profile Platform	(12) 1-5/8" (2) 3/4" DC (1) 7/16" Fiber	AT&T
9		3	KMW AM-X-CD-17-65-00T - Panel			
10		6	Powerwave LGP21401			
11		6	Powerwave LGP21903			
12		6	Ericsson RRUS11			
13		1	Raycap DC2-48-60-18-8F			
-	129.0	3	Antel BXA-70063/6CF__2° - Panel	Low Profile Platform w/ Handrails + (3) Kicker Kits [JMA 91900314-02] + (1) P2.0 STD Mount Pipe	(10) 1-5/8" (2) 1-5/8" Hybrid	Verizon
-	127.0	6	JMA Wireless MX06FRO660-03 - Panel			
-		3	Samsung MT6407-77A - Panel			
-		3	Samsung B2/B66A - RRU			
-		3	Samsung B5/B13 - RRU			
-		1	Raycap RVZDC-3315-PF-48 - OVP			

Note: AT&T loading includes FirstNET equipment

### Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 232179, 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
14	129.0	3	Antel BXA-70063/6CF__2° - Panel	Low Profile Platform w/ Handrails + (3) Kicker Kits [JMA 91900314-02] + (1) P2.0 STD Mount Pipe	(10) 1-5/8" (2) 1-5/8" Hybrid	Verizon
15		2	Kaelus BSF0020F3V1-1			
16	127.0	6	JMA Wireless MX06FRO660-03 - Panel			
17		3	Samsung MT6407-77A - Panel			
18		3	Samsung B2/B66A - RRU			
19		3	Samsung B5/B13 - RRU			
20		1	Raycap RVZDC-3315-PF-48 - OVP			



## 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*

	<b>Pole shafts</b>	<b>Anchor Bolts</b>	<b>Base Plate</b>
<b>Max. Usage:</b>	51.6%	49.0%	41.0%
<b>Pass/Fail</b>	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*

<b>Structural Component</b>	<b>Max Usage (%)</b>	<b>Analysis Result</b>
<b>Foundation</b>	49.0%	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 51.61% at 0.0ft

**Structure:** CT13614-A  
**Site Name:** Knowlton  
**Height:** 149.00 (ft)  
**Base Elev:** 1.000 (ft)

**Code:** EIA/TIA-222-H  
**Exposure:** C  
**Gh:** 1.1

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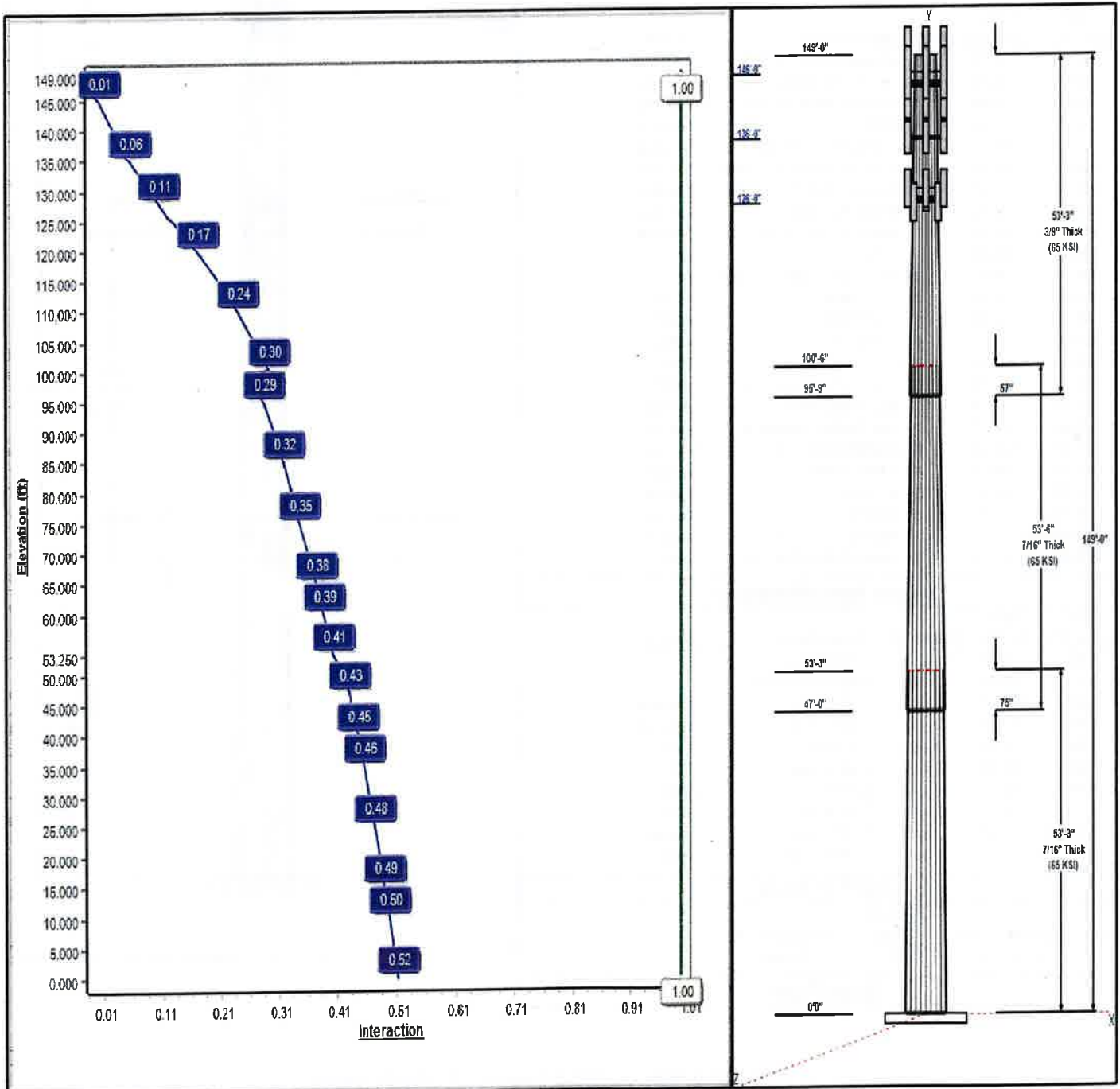
**Dead Load Factor:** 1.20  
**Wind Load Factor:** 1.00

**Iterations:** 22

**Load Case : 1.2D + 1.0W 119 mph Wind**



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**Structure: CT13614-A**

**Type:** Tapered  
**Site Name:** Knowlton  
**Height:** 149.00 (ft)  
**Base Elev:** 1.00 (ft)

**Base Shape:** 18 Sided  
**Taper:** 0.24419

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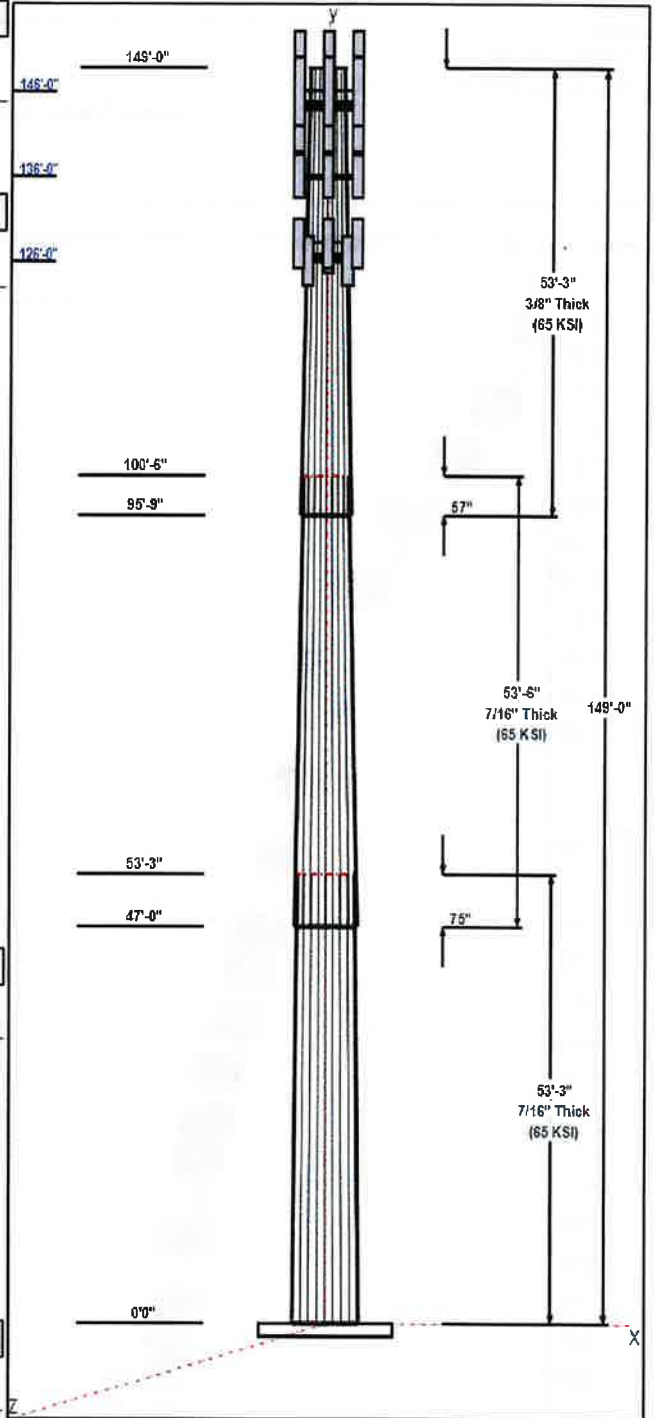
Shaft Properties							
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	53.25	47.46	60.46	0.438		0.24419	65
2	53.50	36.79	49.86	0.438	Slip	0.24419	65
3	53.25	25.70	38.70	0.375	Slip	0.24419	65

Discrete Apurtenances				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
146.00	146.00	6	Ericsson KRY 112 489/4	T-Mobile
146.00	146.00	1	Low Profile Platform w/	T-Mobile
146.00	146.00	3	Ericsson AIR6419 B41	T-Mobile
146.00	146.00	3	RFS	T-Mobile
146.00	146.00	3	Commscope VV-65A-R1	T-Mobile
146.00	146.00	3	Ericsson 4449 B71 + B85	T-Mobile
146.00	146.00	3	Ericsson 4460 B25 + B66	T-Mobile
146.00	146.00	3	Empty Pipe Mounts	T-Mobile
146.00	146.00	3	Kathrein 782 10662	T-Mobile
136.00	136.00	6	7770	AT&T
136.00	136.00	3	AM-X-CD-17-65-00T-RET	AT&T
136.00	136.00	6	LGP21401	AT&T
136.00	136.00	6	LGP21903	AT&T
136.00	136.00	6	RRUS-11	AT&T
136.00	136.00	1	DC2-48-60-18-8F	AT&T
136.00	136.00	1	Low Profile Platform w/	AT&T
128.00	128.00	3	BXA-70063/6CF __ 2°	Verizon
128.00	128.00	1	Low Profile Platform w/	Verizon
126.00	126.00	6	MX06FRO660-03	Verizon
126.00	126.00	3	MT6407-77A	Verizon
126.00	126.00	3	B2/B66A	Verizon
126.00	126.00	3	B5/B13	Verizon
126.00	126.00	1	Raycap	Verizon
126.00	128.00	2	Kaelus BSF0020F3V1-1	Verizon

Linear Apurtenances				
Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	149.00	Outside	Safety Cable	
0.00	149.00	Outside	Step bolts (ladder)	
0.00	146.00	Inside	1 5/8" Coax	T-Mobile
0.00	146.00	Inside	1 5/8" Fiber	T-Mobile
0.00	146.00	Inside	1.9" Fiber	T-Mobile
0.00	136.00	Inside	1 5/8" Coax	AT&T
0.00	136.00	Inside	3/4" DC	AT&T
0.00	136.00	Inside	7/16" Fiber	AT&T
0.00	128.00	Inside	1 5/8" Coax	Verizon
0.00	128.00	Inside	1 5/8" Hybrid	Verizon

Anchor Bolts			
Qty	Specifications	Grade (ksi)	Arrangement
20	2.25" 18J	75.0	Cluster

**Base Plate**



**Structure: CT13614-A**

**Type:** Tapered  
**Site Name:** Knowlton  
**Height:** 149.00 (ft)  
**Base Elev:** 1.00 (ft)

**Base Shape:** 18 Sided  
**Taper:** 0.24419

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Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.0000	68.0	60.0	Clipped

**Reactions**

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 119 mph Wind	3486.6	32.5	55.6
0.9D + 1.0W 119 mph Wind	3458.5	32.5	41.7
1.2D + 1.0Di + 1.0Wi 50 mph Wind	989.9	9.3	83.4
1.2D + 1.0Ev + 1.0Eh	132.1	1.0	57.5
0.9D + 1.0Ev + 1.0Eh	131.8	1.0	43.6
1.0D + 1.0W 60 mph Wind	789.0	7.4	46.4

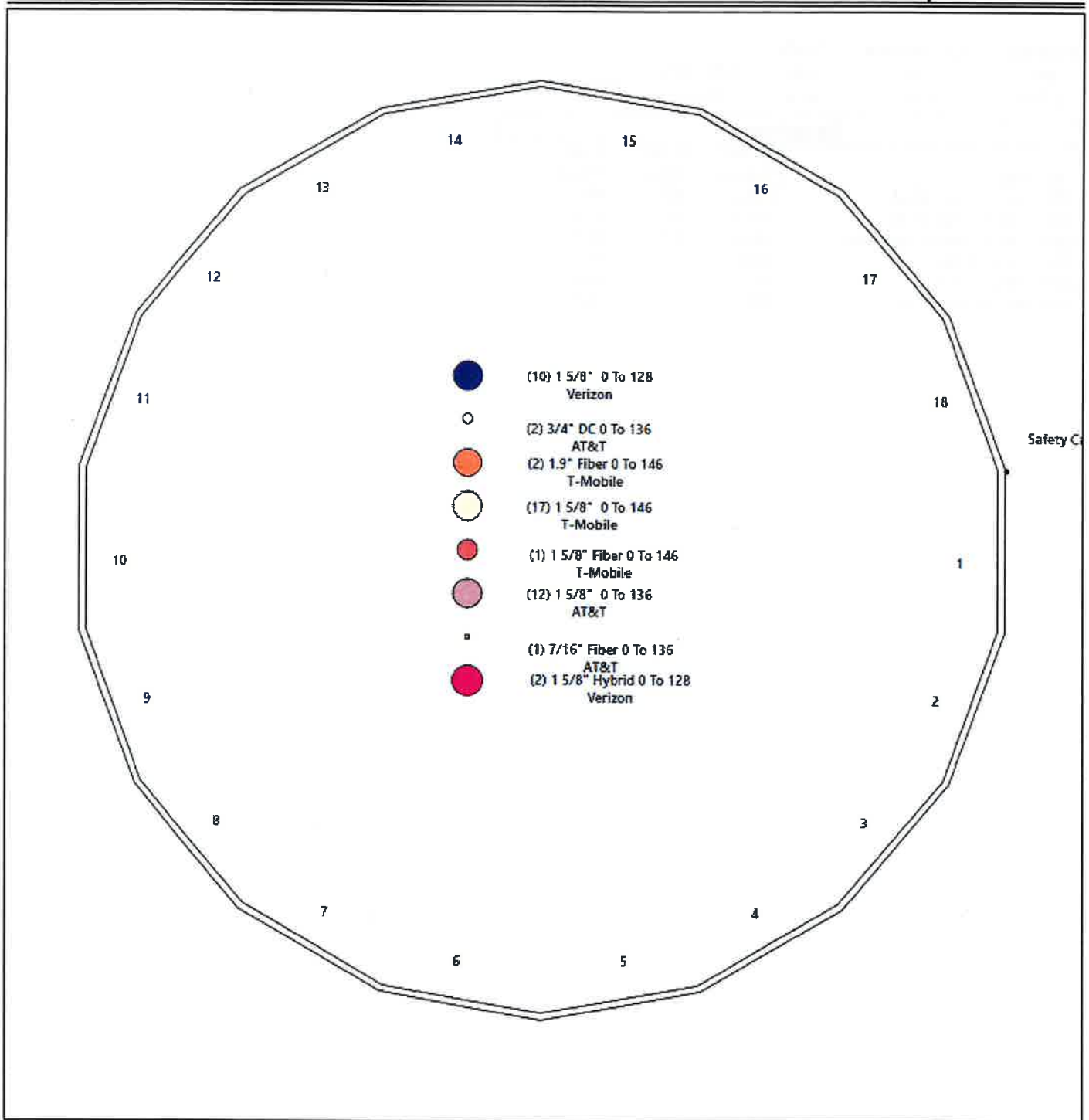
Structure: CT13614-A - Coax Line Placement

Type: Monopole  
Site Name: Knowlton  
Height: 149.00 (ft)

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## Shaft Properties

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	53.250	0.4375	65		0.00	13,466
2	18	53.500	0.4375	65	Slip	75.00	10,842
3	18	53.250	0.3750	65	Slip	57.00	6,864
<b>Total Shaft Weight:</b>							<b>31,172</b>

Bottom

Top

Sec. No.	Dia (in)	Elev (ft)	Area (sqin)	Ix (in <sup>4</sup> )	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in <sup>4</sup> )	W/t Ratio	D/t Ratio	Taper
1	60.46	0.00	83.35	37937.15	22.96	138.19	47.46	53.25	65.29	18236.7	17.72	108.4	0.244195
2	49.86	47.00	68.62	21175.81	18.68	113.96	36.79	100.50	50.48	8430.41	13.42	84.10	0.244195
3	38.70	95.75	45.62	8467.14	16.79	103.21	25.70	149.00	30.14	2442.44	10.67	68.53	0.244195

## Load Summary

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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### Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice			Ice			Hor. Ecc. (ft)	Vert Ecc (ft)
				Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor		
1	146.00	Ericsson KRY 112 489/4	6	15.40	0.56	0.83	31.51	0.884	0.85	0.00	0.00
2	146.00	Low Profile Platform w/ Handrails +	1	2289.00	34.54	1.00	5159.45	64.619	1.00	0.00	0.00
3	146.00	Ericsson AIR6419 B41	3	83.00	6.32	0.73	235.37	7.324	0.74	0.00	0.00
4	146.00	RFS APXVAALL24_43-U-NA20	3	122.80	20.24	0.72	572.80	22.101	0.73	0.00	0.00
5	146.00	Commscope VV-65A-R1	3	23.81	5.92	0.73	159.08	6.963	0.75	0.00	0.00
6	146.00	Ericsson 4449 B71 + B85	3	75.00	1.95	0.90	131.64	2.507	0.91	0.00	0.00
7	146.00	Ericsson 4460 B25 + B66	3	104.00	2.14	0.85	162.25	2.717	0.86	0.00	0.00
8	146.00	Empty Pipe Mounts	3	60.00	1.92	1.00	135.24	3.592	1.00	0.00	0.00
9	146.00	Kathrein 782 10662	3	1.80	0.15	0.79	6.36	0.335	0.84	0.00	0.00
10	136.00	7770	6	35.00	5.51	0.77	161.70	6.524	0.78	0.00	0.00
11	136.00	AM-X-CD-17-65-00T-RET (96")	3	59.50	6.40	0.79	208.17	7.489	0.80	0.00	0.00
12	136.00	LGP21401	6	14.10	1.05	0.66	39.72	1.471	0.70	0.00	0.00
13	136.00	LGP21903	6	5.50	0.23	0.74	11.68	0.443	0.78	0.00	0.00
14	136.00	RRUS-11	6	51.00	3.79	0.69	140.79	4.550	0.71	0.00	0.00
15	136.00	DC2-48-60-18-8F	1	14.50	0.92	0.79	38.91	1.306	0.81	0.00	0.00
16	136.00	Low Profile Platform w/ Mount Pipes	1	1500.00	43.29	1.00	3367.82	80.724	1.00	0.00	0.00
17	128.00	BXA-70063/6CF __ 2"	3	17.00	7.57	0.75	179.42	8.772	0.76	0.00	0.00
18	128.00	Low Profile Platform w/ Handrails +	1	1863.50	35.03	1.00	4170.04	65.140	1.00	0.00	0.00
19	126.00	MX06FRO660-03	6	60.00	9.87	0.87	306.09	11.185	0.88	0.00	0.00
20	126.00	MT6407-77A	3	87.10	4.70	0.70	197.43	5.587	0.71	0.00	0.00
21	126.00	B2/B66A	3	84.40	1.88	0.83	144.26	2.416	0.85	0.00	0.00
22	126.00	B5/B13	3	70.30	1.88	0.83	120.16	2.416	0.85	0.00	0.00
23	126.00	Raycap RVZDC-3315-PF-48	1	21.00	2.51	0.83	87.28	3.125	0.84	0.00	0.00
24	126.00	Kaelus BSF0020F3V1-1	2	17.60	0.96	1.00	40.57	1.351	1.00	0.00	2.00
<b>Totals:</b>			<b>79</b>	<b>9,175.33</b>			<b>23,810.21</b>				

### Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	149.00	(1) Safety Cable	0.38	Outside
0.00	149.00	(1) Step bolts (ladder)	0.63	Outside
0.00	146.00	(14) 1 5/8" Coax	0.00	Inside
0.00	146.00	(1) 1 5/8" Fiber	0.00	Inside
0.00	146.00	(2) 1.9" Fiber	0.00	Inside
0.00	136.00	(12) 1 5/8" Coax	0.00	Inside
0.00	136.00	(2) 3/4" DC	0.00	Inside
0.00	136.00	(1) 7/16" Fiber	0.00	Inside
0.00	128.00	(10) 1 5/8" Coax	0.00	Inside
0.00	128.00	(2) 1 5/8" Hybrid	0.00	Inside

## Shaft Section Properties

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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**Increment Length:** 5 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.4375	60.460	83.346	37937.1	22.96	138.19	74.4	1235.	0.0
5.00		0.4375	59.239	81.650	35668.8	22.46	135.40	75.0	1185.	1403.6
10.00		0.4375	58.018	79.955	33492.7	21.97	132.61	75.6	1137.	1374.8
15.00		0.4375	56.797	78.260	31406.9	21.48	129.82	76.1	1089.	1345.9
20.00		0.4375	55.576	76.564	29409.6	20.99	127.03	76.7	1042.	1317.1
25.00		0.4375	54.355	74.869	27498.9	20.50	124.24	77.3	996.5	1288.2
30.00		0.4375	53.134	73.173	25672.7	20.00	121.45	77.9	951.7	1259.4
35.00		0.4375	51.913	71.478	23929.2	19.51	118.66	78.5	907.9	1230.5
40.00		0.4375	50.692	69.782	22266.5	19.02	115.87	79.0	865.2	1201.7
45.00		0.4375	49.471	68.087	20682.7	18.53	113.08	79.6	823.4	1172.8
47.00	Bot - Section 2	0.4375	48.983	67.409	20070.8	18.33	111.96	79.8	807.1	461.1
50.00		0.4375	48.250	66.392	19175.8	18.04	110.29	80.2	782.8	1378.3
53.25	Top - Section 1	0.4375	48.332	66.505	19273.9	18.07	110.47	0.0	0.0	1469.7
55.00		0.4375	47.904	65.911	18762.6	17.90	109.50	80.4	771.4	394.3
60.00		0.4375	46.683	64.216	17351.6	17.40	106.70	80.9	732.1	1107.0
65.00		0.4375	45.462	62.520	16013.2	16.91	103.91	81.5	693.8	1078.1
70.00		0.4375	44.241	60.825	14745.5	16.42	101.12	82.1	656.5	1049.3
75.00		0.4375	43.020	59.130	13546.5	15.93	98.33	82.5	620.2	1020.4
80.00		0.4375	41.799	57.434	12414.4	15.44	95.54	82.5	585.0	991.6
85.00		0.4375	40.578	55.739	11347.1	14.94	92.75	82.5	550.8	962.8
90.00		0.4375	39.357	54.043	10342.9	14.45	89.96	82.5	517.6	933.9
95.00		0.4375	38.137	52.348	9399.7	13.96	87.17	82.5	485.5	905.1
95.75	Bot - Section 3	0.4375	37.953	52.094	9263.3	13.89	86.75	82.5	480.7	133.3
100.00		0.4375	36.916	50.652	8515.6	13.47	84.38	82.5	454.3	1393.7
100.50	Top - Section 2	0.3750	37.543	44.238	7721.4	16.24	100.12	0.0	0.0	161.4
105.00		0.3750	36.445	42.930	7056.6	15.73	97.19	82.5	381.4	667.4
110.00		0.3750	35.224	41.477	6364.0	15.15	93.93	82.5	355.9	718.0
115.00		0.3750	34.003	40.024	5718.3	14.58	90.67	82.5	331.2	693.3
120.00		0.3750	32.782	38.571	5117.7	14.00	87.42	82.5	307.5	668.6
125.00		0.3750	31.561	37.117	4560.8	13.43	84.16	82.5	284.6	643.9
126.00		0.3750	31.316	36.827	4454.5	13.31	83.51	82.5	280.2	125.8
128.00		0.3750	30.828	36.245	4246.9	13.08	82.21	82.5	271.3	248.6
130.00		0.3750	30.340	35.664	4045.8	12.86	80.91	82.5	262.6	244.7
135.00		0.3750	29.119	34.211	3571.1	12.28	77.65	82.5	241.6	594.4
136.00		0.3750	28.875	33.920	3480.9	12.17	77.00	82.5	237.4	115.9
140.00		0.3750	27.898	32.758	3135.1	11.71	74.39	82.5	221.3	453.8
145.00		0.3750	26.677	31.305	2736.1	11.13	71.14	82.5	202.0	545.0
146.00		0.3750	26.433	31.014	2660.6	11.02	70.49	82.5	198.3	106.0
149.00		0.3750	25.700	30.142	2442.4	10.67	68.53	82.5	187.2	312.1
										<b>31171.7</b>

## Wind Loading - Shaft

**Structure:** CT13614-A  
**Site Name:** Knowlton  
**Height:** 149.00 (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

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**Load Case:** 1.2D + 1.0W 119 mph Wind

**Dead Load Factor** 1.20  
**Wind Load Factor** 1.00

**Iterations** 22



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	28.580	31.44	554.60	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	28.580	31.44	543.40	0.730	0.000	5.00	25.322	18.49	581.1	0.0	1684.3
10.00		1.00	0.85	28.580	31.44	532.20	0.730	0.000	5.00	24.805	18.11	569.3	0.0	1649.7
15.00		1.00	0.86	28.933	31.83	524.21	0.730	0.000	5.00	24.289	17.73	564.3	0.0	1615.1
20.00		1.00	0.91	30.637	33.70	527.84	0.730	0.000	5.00	23.772	17.35	584.8	0.0	1580.5
25.00		1.00	0.95	32.046	35.25	527.98	0.730	0.000	5.00	23.256	16.98	598.4	0.0	1545.9
30.00		1.00	0.99	33.255	36.58	525.76	0.730	0.000	5.00	22.739	16.60	607.2	0.0	1511.3
35.00		1.00	1.02	34.319	37.75	521.83	0.730	0.000	5.00	22.222	16.22	612.4	0.0	1476.6
40.00		1.00	1.05	35.271	38.80	516.58	0.730	0.000	5.00	21.706	15.85	614.8	0.0	1442.0
45.00		1.00	1.07	36.136	39.75	510.28	0.730	0.000	5.00	21.189	15.47	614.9	0.0	1407.4
47.00	Bot - Section 2	1.00	1.08	36.462	40.11	507.51	0.730	0.000	2.00	8.331	6.08	243.9	0.0	553.3
50.00		1.00	1.10	36.930	40.62	503.12	0.730	0.000	3.00	12.564	9.17	372.6	0.0	1653.9
53.25	Top - Section 1	1.00	1.11	37.413	41.15	498.08	0.730	0.000	3.25	13.401	9.78	402.6	0.0	1763.6
55.00		1.00	1.12	37.664	41.43	504.46	0.730	0.000	1.75	7.125	5.20	215.5	0.0	473.1
60.00		1.00	1.14	38.349	42.18	496.05	0.730	0.000	5.00	20.010	14.61	616.2	0.0	1328.4
65.00		1.00	1.16	38.990	42.89	487.09	0.730	0.000	5.00	19.493	14.23	610.3	0.0	1293.8
70.00		1.00	1.18	39.594	43.55	477.67	0.730	0.000	5.00	18.977	13.85	603.3	0.0	1259.2
75.00		1.00	1.19	40.165	44.18	467.83	0.730	0.000	5.00	18.460	13.48	595.4	0.0	1224.5
80.00		1.00	1.21	40.708	44.78	457.61	0.730	0.000	5.00	17.943	13.10	586.5	0.0	1189.9
85.00		1.00	1.23	41.224	45.35	447.05	0.730	0.000	5.00	17.427	12.72	576.9	0.0	1155.3
90.00		1.00	1.24	41.718	45.89	436.19	0.730	0.000	5.00	16.910	12.34	566.5	0.0	1120.7
95.00		1.00	1.25	42.190	46.41	425.04	0.730	0.000	5.00	16.394	11.97	555.4	0.0	1086.1
95.75	Bot - Section 3	1.00	1.26	42.259	46.49	423.35	0.730	0.000	0.75	2.414	1.76	81.9	0.0	159.9
100.00		1.00	1.27	42.643	46.91	413.64	0.730	0.000	4.25	13.732	10.02	470.2	0.0	1672.5
100.50	Top - Section 2	1.00	1.27	42.688	46.96	412.48	0.730	0.000	0.50	1.591	1.16	54.5	0.0	193.7
105.00		1.00	1.28	43.079	47.39	410.44	0.730	0.000	4.50	14.087	10.28	487.3	0.0	800.9
110.00		1.00	1.29	43.500	47.85	398.62	0.730	0.000	5.00	15.161	11.07	529.6	0.0	861.7
115.00		1.00	1.31	43.905	48.30	386.59	0.730	0.000	5.00	14.645	10.69	516.3	0.0	832.0
120.00		1.00	1.32	44.297	48.73	374.37	0.730	0.000	5.00	14.128	10.31	502.5	0.0	802.3
125.00		1.00	1.33	44.676	49.14	361.97	0.730	0.000	5.00	13.611	9.94	488.3	0.0	772.6
126.00	Appurtenance(s)	1.00	1.33	44.750	49.23	359.46	0.730	0.000	1.00	2.660	1.94	95.6	0.0	151.0
128.00	Appurtenance(s)	1.00	1.34	44.898	49.39	354.44	0.730	0.000	2.00	5.259	3.84	189.6	0.0	298.4
130.00		1.00	1.34	45.043	49.55	349.39	0.730	0.000	2.00	5.176	3.78	187.2	0.0	293.6
135.00		1.00	1.35	45.400	49.94	336.66	0.730	0.000	5.00	12.578	9.18	458.6	0.0	713.3
136.00	Appurtenance(s)	1.00	1.35	45.470	50.02	334.09	0.730	0.000	1.00	2.454	1.79	89.6	0.0	139.1
140.00		1.00	1.36	45.746	50.32	323.77	0.730	0.000	4.00	9.608	7.01	352.9	0.0	544.5
145.00		1.00	1.37	46.083	50.69	310.74	0.730	0.000	5.00	11.545	8.43	427.2	0.0	654.0
146.00	Appurtenance(s)	1.00	1.37	46.150	50.76	308.11	0.730	0.000	1.00	2.247	1.64	83.3	0.0	127.2
149.00		1.00	1.38	46.346	50.98	300.21	0.730	0.000	3.00	6.617	4.83	246.3	0.0	374.6
<b>Totals:</b>									<b>149.00</b>			<b>16,553.3</b>		<b>37,406.0</b>

## Discrete Appurtenance Forces

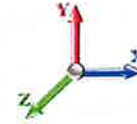
<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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**Load Case:** 1.2D + 1.0W 119 mph Wind

**Dead Load Factor** 1.20  
**Wind Load Factor** 1.00



**Iterations** 22

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	146.00	RFS	3	46.150	50.765	0.65	0.90	39.35	442.08	0.000	0.000	1997.41	0.00	0.00
2	146.00	Ericsson KRY 112 489/4	6	46.150	50.765	0.75	0.90	2.51	110.88	0.000	0.000	127.41	0.00	0.00
3	146.00	Low Profile Platform w/	1	46.150	50.765	1.00	1.00	34.54	2746.80	0.000	0.000	1753.41	0.00	0.00
4	146.00	Ericsson AIR6419 B41	3	46.150	50.765	0.66	0.90	12.46	298.80	0.000	0.000	632.36	0.00	0.00
5	146.00	Kathrein 782 10662	3	46.150	50.765	0.71	0.90	0.32	6.48	0.000	0.000	16.24	0.00	0.00
6	146.00	Commscope VV-65A-R1	3	46.150	50.765	0.66	0.90	11.67	85.72	0.000	0.000	592.34	0.00	0.00
7	146.00	Ericsson 4449 B71 + B85	3	46.150	50.765	0.81	0.90	4.74	270.00	0.000	0.000	240.55	0.00	0.00
8	146.00	Ericsson 4460 B25 + B66	3	46.150	50.765	0.77	0.90	4.91	374.40	0.000	0.000	249.32	0.00	0.00
9	146.00	Empty Pipe Mounts	3	46.150	50.765	0.90	0.90	5.18	216.00	0.000	0.000	263.16	0.00	0.00
10	136.00	Low Profile Platform w/	1	45.470	50.017	1.00	1.00	43.29	1800.00	0.000	0.000	2165.24	0.00	0.00
11	136.00	DC2-48-60-18-8F	1	45.470	50.017	0.63	0.80	0.58	17.40	0.000	0.000	29.08	0.00	0.00
12	136.00	RRUS-11	6	45.470	50.017	0.55	0.80	12.55	367.20	0.000	0.000	627.84	0.00	0.00
13	136.00	LGP21903	6	45.470	50.017	0.59	0.80	0.82	39.60	0.000	0.000	40.86	0.00	0.00
14	136.00	AM-X-CD-17-65-00T-RET	3	45.470	50.017	0.63	0.80	12.13	214.20	0.000	0.000	606.93	0.00	0.00
15	136.00	7770	6	45.470	50.017	0.62	0.80	20.36	252.00	0.000	0.000	1018.60	0.00	0.00
16	136.00	LGP21401	6	45.470	50.017	0.53	0.80	3.33	101.52	0.000	0.000	166.38	0.00	0.00
17	128.00	Low Profile Platform w/	1	44.898	49.388	1.00	1.00	35.03	2236.20	0.000	0.000	1730.05	0.00	0.00
18	128.00	BXA-70063/6CF __ 2°	3	44.898	49.388	0.60	0.80	13.63	61.20	0.000	0.000	672.95	0.00	0.00
19	126.00	B2/B66A	3	44.750	49.225	0.66	0.80	3.74	303.84	0.000	0.000	184.35	0.00	0.00
20	126.00	MX06FRO660-03	6	44.750	49.225	0.70	0.80	41.22	432.00	0.000	0.000	2028.93	0.00	0.00
21	126.00	MT6407-77A	3	44.750	49.225	0.56	0.80	7.90	313.56	0.000	0.000	388.68	0.00	0.00
22	126.00	Kaelus BSF0020F3V1-1	2	44.898	49.388	1.00	1.00	1.92	42.24	0.000	2.000	94.82	0.00	189.65
23	126.00	B5/B13	3	44.750	49.225	0.66	0.80	3.74	253.08	0.000	0.000	184.35	0.00	0.00
24	126.00	Raycap	1	44.750	49.225	0.66	0.80	1.67	25.20	0.000	0.000	82.04	0.00	0.00
<b>Totals:</b>								<b>11,010.40</b>				<b>15,893.30</b>		

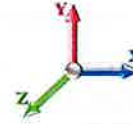
## Total Applied Force Summary

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 10



**Load Case:** 1.2D + 1.0W 119 mph Wind

**Dead Load Factor** 1.20  
**Wind Load Factor** 1.00



**Iterations** 22

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		581.13	1947.93	0.00	0.00
10.00		569.27	1913.32	0.00	0.00
15.00		564.30	1878.70	0.00	0.00
20.00		584.84	1844.09	0.00	0.00
25.00		598.44	1809.47	0.00	0.00
30.00		607.22	1774.86	0.00	0.00
35.00		612.41	1740.24	0.00	0.00
40.00		614.78	1705.63	0.00	0.00
45.00		614.86	1671.02	0.00	0.00
47.00		243.92	658.71	0.00	0.00
50.00		372.58	1812.10	0.00	0.00
53.25		402.60	1934.98	0.00	0.00
55.00		215.51	565.37	0.00	0.00
60.00		616.18	1591.98	0.00	0.00
65.00		610.31	1557.36	0.00	0.00
70.00		603.34	1522.75	0.00	0.00
75.00		595.39	1488.13	0.00	0.00
80.00		586.54	1453.52	0.00	0.00
85.00		576.88	1418.90	0.00	0.00
90.00		566.48	1384.29	0.00	0.00
95.00		555.39	1349.68	0.00	0.00
95.75		81.93	199.47	0.00	0.00
100.00		470.23	1896.55	0.00	0.00
100.50		54.54	220.07	0.00	0.00
105.00		487.30	1038.10	0.00	0.00
110.00		529.58	1125.26	0.00	0.00
115.00		516.31	1095.59	0.00	0.00
120.00		502.54	1065.92	0.00	0.00
125.00		488.31	1036.25	0.00	0.00
126.00	(18) attachments	3058.77	1573.61	0.00	189.65
128.00	(4) attachments	2592.59	2701.22	0.00	0.00
130.00		187.21	368.83	0.00	0.00
135.00		458.56	901.31	0.00	0.00
136.00	(29) attachments	4744.52	2968.62	0.00	0.00
140.00		352.94	630.23	0.00	0.00
145.00		427.22	761.09	0.00	0.00
146.00	(28) attachments	5955.47	4699.81	0.00	0.00
149.00		246.26	379.31	0.00	0.00
<b>Totals:</b>		<b>32,446.65</b>	<b>55,684.26</b>	<b>0.00</b>	<b>189.65</b>

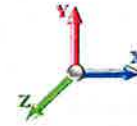
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



**Load Case:** 1.2D + 1.0W 119 mph Wind

**Dead Load Factor** 1.20  
**Wind Load Factor** 1.00



**Iterations** 22

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	0.017	0.000	28.580	0.00	1.64
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	28.580	0.00	6.24
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	28.580	0.00	1.64
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	28.580	0.00	6.24
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	28.933	0.00	1.64
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	28.933	0.00	6.24
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	30.637	0.00	1.64
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	30.637	0.00	6.24
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	32.046	0.00	1.64
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	32.046	0.00	6.24
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	33.255	0.00	1.64
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	33.255	0.00	6.24
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	34.319	0.00	1.64
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	34.319	0.00	6.24
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	35.271	0.00	1.64
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	35.271	0.00	6.24
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	36.136	0.00	1.64
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	36.136	0.00	6.24
47.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	36.462	0.00	0.66
47.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	36.462	0.00	2.50
50.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.020	0.000	36.930	0.00	0.98
50.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.020	0.000	36.930	0.00	3.74
53.25	Safety Cable	Yes	3.25	0.000	0.38	0.10	0.00	0.021	0.000	37.413	0.00	1.06
53.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.17	0.00	0.021	0.000	37.413	0.00	4.06
55.00	Safety Cable	Yes	1.75	0.000	0.38	0.06	0.00	0.021	0.000	37.664	0.00	0.57
55.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.09	0.00	0.021	0.000	37.664	0.00	2.18
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	38.349	0.00	1.64
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	38.349	0.00	6.24
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	38.990	0.00	1.64
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	38.990	0.00	6.24
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	39.594	0.00	1.64
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	39.594	0.00	6.24
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	40.165	0.00	1.64
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	40.165	0.00	6.24
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	40.708	0.00	1.64
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	40.708	0.00	6.24
85.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	41.224	0.00	1.64
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	41.224	0.00	6.24
90.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	41.718	0.00	1.64
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	41.718	0.00	6.24
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	42.190	0.00	1.64
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	42.190	0.00	6.24
95.75	Safety Cable	Yes	0.75	0.000	0.38	0.02	0.00	0.026	0.000	42.259	0.00	0.25
95.75	Step bolts (ladder)	Yes	0.75	0.000	0.63	0.04	0.00	0.026	0.000	42.259	0.00	0.94
100.00	Safety Cable	Yes	4.25	0.000	0.38	0.13	0.00	0.027	0.000	42.643	0.00	1.39
100.00	Step bolts (ladder)	Yes	4.25	0.000	0.63	0.22	0.00	0.027	0.000	42.643	0.00	5.30
100.50	Safety Cable	Yes	0.50	0.000	0.38	0.02	0.00	0.027	0.000	42.688	0.00	0.16

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	Page: 12



**Load Case:** 1.2D + 1.0W 119 mph Wind

**Dead Load Factor** 1.20  
**Wind Load Factor** 1.00



**Iterations** 22

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)
100.50	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.027	0.000	42.688	0.00	0.62
105.00	Safety Cable	Yes	4.50	0.000	0.38	0.14	0.00	0.027	0.000	43.079	0.00	1.47
105.00	Step bolts (ladder)	Yes	4.50	0.000	0.63	0.24	0.00	0.027	0.000	43.079	0.00	5.62
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	43.500	0.00	1.64
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	43.500	0.00	6.24
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	43.905	0.00	1.64
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	43.905	0.00	6.24
120.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	44.297	0.00	1.64
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	44.297	0.00	6.24
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	44.676	0.00	1.64
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	44.676	0.00	6.24
126.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.032	0.000	44.750	0.00	0.33
126.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.032	0.000	44.750	0.00	1.25
128.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.032	0.000	44.898	0.00	0.66
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.032	0.000	44.898	0.00	2.50
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	45.043	0.00	0.66
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.033	0.000	45.043	0.00	2.50
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	45.400	0.00	1.64
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	45.400	0.00	6.24
136.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.034	0.000	45.470	0.00	0.33
136.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.034	0.000	45.470	0.00	1.25
140.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.035	0.000	45.746	0.00	1.31
140.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.035	0.000	45.746	0.00	4.99
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	46.083	0.00	1.64
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	46.083	0.00	6.24
146.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.037	0.000	46.150	0.00	0.33
146.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.037	0.000	46.150	0.00	1.25
149.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.038	0.000	46.346	0.00	0.98
149.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.038	0.000	46.346	0.00	3.74
<b>Totals:</b>											<b>0.0</b>	<b>234.8</b>



## Calculated Forces

**Structure:** CT13614-A  
**Site Name:** Knowlton  
**Height:** 149.00 (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

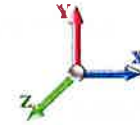
7/7/2023

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**Load Case:** 1.2D + 1.0W 119 mph Wind

**Dead Load Factor** 1.20  
**Wind Load Factor** 1.00



**Iterations** 22

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	-55.65	-32.51	0.00	-3486.6	0.00	3486.61	5580.79	1462.72	7284.32	6896.19	0.00	0.000	0.000	0.516
5.00	-53.63	-32.05	0.00	-3324.0	0.00	3324.06	5509.80	1432.96	6990.98	6668.96	0.07	-0.128	0.000	0.509
10.00	-51.64	-31.59	0.00	-3163.8	0.00	3163.83	5437.04	1403.21	6703.67	6443.24	0.27	-0.257	0.000	0.501
15.00	-49.70	-31.13	0.00	-3005.8	0.00	3005.89	5362.51	1373.45	6422.39	6219.15	0.61	-0.388	0.000	0.493
20.00	-47.79	-30.64	0.00	-2850.2	0.00	2850.25	5286.22	1343.70	6147.13	5996.84	1.09	-0.521	0.000	0.485
25.00	-45.91	-30.13	0.00	-2697.0	0.00	2697.05	5208.16	1313.95	5877.91	5776.42	1.71	-0.655	0.000	0.476
30.00	-44.08	-29.61	0.00	-2546.3	0.00	2546.39	5128.34	1284.19	5614.71	5558.05	2.47	-0.790	0.000	0.467
35.00	-42.28	-29.07	0.00	-2398.3	0.00	2398.36	5046.75	1254.44	5357.54	5341.85	3.37	-0.927	0.000	0.458
40.00	-40.51	-28.52	0.00	-2253.0	0.00	2253.01	4963.39	1224.68	5106.40	5127.96	4.42	-1.066	0.000	0.448
45.00	-38.81	-27.94	0.00	-2110.4	0.00	2110.40	4878.27	1194.93	4861.29	4916.50	5.61	-1.205	0.000	0.438
47.00	-38.12	-27.73	0.00	-2054.5	0.00	2054.51	4843.73	1183.03	4764.93	4832.64	6.12	-1.262	0.000	0.434
50.00	-36.27	-27.37	0.00	-1971.3	0.00	1971.32	4791.38	1165.17	4622.20	4707.63	6.95	-1.348	0.000	0.427
53.25	-34.31	-26.97	0.00	-1882.3	0.00	1882.35	4797.23	1167.16	4637.95	4721.46	7.90	-1.441	0.000	0.406
55.00	-33.71	-26.79	0.00	-1835.1	0.00	1835.16	4766.44	1156.74	4555.55	4648.93	8.43	-1.492	0.000	0.402
60.00	-32.07	-26.21	0.00	-1701.2	0.00	1701.20	4677.28	1126.99	4324.20	4443.55	10.07	-1.626	0.000	0.390
65.00	-30.48	-25.62	0.00	-1570.1	0.00	1570.16	4586.36	1097.23	4098.88	4241.06	11.84	-1.760	0.000	0.377
70.00	-28.92	-25.04	0.00	-1442.0	0.00	1442.04	4493.67	1067.48	3879.59	4041.58	13.76	-1.894	0.000	0.364
75.00	-27.39	-24.46	0.00	-1316.8	0.00	1316.85	4393.03	1037.72	3666.33	3839.84	15.81	-2.027	0.000	0.350
80.00	-25.91	-23.88	0.00	-1194.5	0.00	1194.56	4267.07	1007.97	3459.10	3621.71	18.01	-2.159	0.000	0.336
85.00	-24.46	-23.30	0.00	-1075.1	0.00	1075.18	4141.11	978.21	3257.89	3409.96	20.34	-2.289	0.000	0.322
90.00	-23.05	-22.73	0.00	-958.68	0.00	958.68	4015.15	948.46	3062.71	3204.59	22.80	-2.416	0.000	0.305
95.00	-21.70	-22.14	0.00	-845.04	0.00	845.04	3889.19	918.71	2873.56	3005.60	25.40	-2.540	0.000	0.287
95.75	-21.48	-22.07	0.00	-828.43	0.00	828.43	3870.29	914.24	2845.71	2976.30	25.80	-2.559	0.000	0.284
100.00	-19.58	-21.54	0.00	-734.62	0.00	734.62	3763.23	888.95	2690.44	2812.98	28.13	-2.661	0.000	0.267
100.50	-19.34	-21.49	0.00	-723.85	0.00	723.85	3276.58	776.38	2394.21	2500.28	28.41	-2.673	0.000	0.296
105.00	-18.29	-20.99	0.00	-627.14	0.00	627.14	3189.50	753.43	2254.74	2361.16	30.98	-2.776	0.000	0.272
110.00	-17.15	-20.44	0.00	-522.18	0.00	522.18	3081.54	727.92	2104.67	2203.22	33.95	-2.892	0.000	0.243
115.00	-16.05	-19.90	0.00	-419.98	0.00	419.98	2973.57	702.42	1959.78	2050.74	37.03	-2.997	0.000	0.211
120.00	-14.99	-19.36	0.00	-320.51	0.00	320.51	2865.60	676.91	1820.05	1903.74	40.22	-3.089	0.000	0.174
125.00	-13.96	-18.83	0.00	-223.71	0.00	223.71	2757.64	651.41	1685.48	1762.20	43.50	-3.165	0.000	0.133
126.00	-12.56	-15.69	0.00	-204.70	0.00	204.70	2736.04	646.31	1659.19	1734.55	44.16	-3.178	0.000	0.123
128.00	-10.00	-12.95	0.00	-173.32	0.00	173.32	2692.86	636.11	1607.23	1679.90	45.50	-3.202	0.000	0.107
130.00	-9.63	-12.75	0.00	-147.42	0.00	147.42	2649.67	625.91	1556.09	1626.12	46.85	-3.224	0.000	0.095
135.00	-8.76	-12.25	0.00	-83.66	0.00	83.66	2541.71	600.40	1431.86	1495.52	50.24	-3.264	0.000	0.060
136.00	-6.06	-7.34	0.00	-71.42	0.00	71.42	2520.11	595.30	1407.63	1470.06	50.93	-3.271	0.000	0.051
140.00	-5.45	-6.95	0.00	-42.06	0.00	42.06	2433.74	574.90	1312.80	1370.38	53.68	-3.289	0.000	0.033
145.00	-4.71	-6.48	0.00	-7.29	0.00	7.29	2325.77	549.40	1198.90	1250.71	57.13	-3.300	0.000	0.008
146.00	-0.36	-0.27	0.00	-0.80	0.00	0.80	2304.18	544.29	1176.75	1227.43	57.82	-3.301	0.000	0.001
149.00	0.00	-0.25	0.00	0.00	0.00	0.00	2239.40	528.99	1111.51	1158.91	59.89	-3.301	0.000	0.000

## Wind Loading - Shaft

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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**Load Case:** 0.9D + 1.0W 119 mph Wind

**Dead Load Factor** 0.90  
**Wind Load Factor** 1.00



**Iterations** 22

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	28.580	31.44	554.60	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	28.580	31.44	543.40	0.730	0.000	5.00	25.322	18.49	581.1	0.0	1263.3
10.00		1.00	0.85	28.580	31.44	532.20	0.730	0.000	5.00	24.805	18.11	569.3	0.0	1237.3
15.00		1.00	0.86	28.933	31.83	524.21	0.730	0.000	5.00	24.289	17.73	564.3	0.0	1211.3
20.00		1.00	0.91	30.637	33.70	527.84	0.730	0.000	5.00	23.772	17.35	584.8	0.0	1185.4
25.00		1.00	0.95	32.046	35.25	527.98	0.730	0.000	5.00	23.256	16.98	598.4	0.0	1159.4
30.00		1.00	0.99	33.255	36.58	525.76	0.730	0.000	5.00	22.739	16.60	607.2	0.0	1133.4
35.00		1.00	1.02	34.319	37.75	521.83	0.730	0.000	5.00	22.222	16.22	612.4	0.0	1107.5
40.00		1.00	1.05	35.271	38.80	516.58	0.730	0.000	5.00	21.706	15.85	614.8	0.0	1081.5
45.00		1.00	1.07	36.136	39.75	510.28	0.730	0.000	5.00	21.189	15.47	614.9	0.0	1055.6
47.00	Bot - Section 2	1.00	1.08	36.462	40.11	507.51	0.730	0.000	2.00	8.331	6.08	243.9	0.0	415.0
50.00		1.00	1.10	36.930	40.62	503.12	0.730	0.000	3.00	12.564	9.17	372.6	0.0	1240.5
53.25	Top - Section 1	1.00	1.11	37.413	41.15	498.08	0.730	0.000	3.25	13.401	9.78	402.6	0.0	1322.7
55.00		1.00	1.12	37.664	41.43	504.46	0.730	0.000	1.75	7.125	5.20	215.5	0.0	354.8
60.00		1.00	1.14	38.349	42.18	496.05	0.730	0.000	5.00	20.010	14.61	616.2	0.0	996.3
65.00		1.00	1.16	38.990	42.89	487.09	0.730	0.000	5.00	19.493	14.23	610.3	0.0	970.3
70.00		1.00	1.18	39.594	43.55	477.67	0.730	0.000	5.00	18.977	13.85	603.3	0.0	944.4
75.00		1.00	1.19	40.165	44.18	467.83	0.730	0.000	5.00	18.460	13.48	595.4	0.0	918.4
80.00		1.00	1.21	40.708	44.78	457.61	0.730	0.000	5.00	17.943	13.10	586.5	0.0	892.4
85.00		1.00	1.23	41.224	45.35	447.05	0.730	0.000	5.00	17.427	12.72	576.9	0.0	866.5
90.00		1.00	1.24	41.718	45.89	436.19	0.730	0.000	5.00	16.910	12.34	566.5	0.0	840.5
95.00		1.00	1.25	42.190	46.41	425.04	0.730	0.000	5.00	16.394	11.97	555.4	0.0	814.6
95.75	Bot - Section 3	1.00	1.26	42.259	46.49	423.35	0.730	0.000	0.75	2.414	1.76	81.9	0.0	119.9
100.00		1.00	1.27	42.643	46.91	413.64	0.730	0.000	4.25	13.732	10.02	470.2	0.0	1254.4
100.50	Top - Section 2	1.00	1.27	42.688	46.96	412.48	0.730	0.000	0.50	1.591	1.16	54.5	0.0	145.3
105.00		1.00	1.28	43.079	47.39	410.44	0.730	0.000	4.50	14.087	10.28	487.3	0.0	600.6
110.00		1.00	1.29	43.500	47.85	398.62	0.730	0.000	5.00	15.161	11.07	529.6	0.0	646.2
115.00		1.00	1.31	43.905	48.30	386.59	0.730	0.000	5.00	14.645	10.69	516.3	0.0	624.0
120.00		1.00	1.32	44.297	48.73	374.37	0.730	0.000	5.00	14.128	10.31	502.5	0.0	601.7
125.00		1.00	1.33	44.676	49.14	361.97	0.730	0.000	5.00	13.611	9.94	488.3	0.0	579.5
126.00	Appurtenance(s)	1.00	1.33	44.750	49.23	359.46	0.730	0.000	1.00	2.660	1.94	95.6	0.0	113.2
128.00	Appurtenance(s)	1.00	1.34	44.898	49.39	354.44	0.730	0.000	2.00	5.259	3.84	189.6	0.0	223.8
130.00		1.00	1.34	45.043	49.55	349.39	0.730	0.000	2.00	5.176	3.78	187.2	0.0	220.2
135.00		1.00	1.35	45.400	49.94	336.66	0.730	0.000	5.00	12.578	9.18	458.6	0.0	535.0
136.00	Appurtenance(s)	1.00	1.35	45.470	50.02	334.09	0.730	0.000	1.00	2.454	1.79	89.6	0.0	104.3
140.00		1.00	1.36	45.746	50.32	323.77	0.730	0.000	4.00	9.608	7.01	352.9	0.0	408.4
145.00		1.00	1.37	46.083	50.69	310.74	0.730	0.000	5.00	11.545	8.43	427.2	0.0	490.5
146.00	Appurtenance(s)	1.00	1.37	46.150	50.76	308.11	0.730	0.000	1.00	2.247	1.64	83.3	0.0	95.4
149.00		1.00	1.38	46.346	50.98	300.21	0.730	0.000	3.00	6.617	4.83	246.3	0.0	280.9
<b>Totals:</b>									<b>149.00</b>			<b>16,553.3</b>		<b>28,054.5</b>

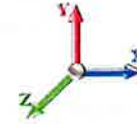
## Discrete Appurtenance Forces

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
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**Load Case:** 0.9D + 1.0W 119 mph Wind

**Dead Load Factor** 0.90  
**Wind Load Factor** 1.00



**Iterations** 22

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	146.00	RFS	3	46.150	50.765	0.65	0.90	39.35	331.56	0.000	0.000	1997.41	0.00	0.00
2	146.00	Ericsson KRY 112 489/4	6	46.150	50.765	0.75	0.90	2.51	83.16	0.000	0.000	127.41	0.00	0.00
3	146.00	Low Profile Platform w/	1	46.150	50.765	1.00	1.00	34.54	2060.10	0.000	0.000	1753.41	0.00	0.00
4	146.00	Ericsson AIR6419 B41	3	46.150	50.765	0.66	0.90	12.46	224.10	0.000	0.000	632.36	0.00	0.00
5	146.00	Kathrein 782 10662	3	46.150	50.765	0.71	0.90	0.32	4.86	0.000	0.000	16.24	0.00	0.00
6	146.00	Commscope VV-65A-R1	3	46.150	50.765	0.66	0.90	11.67	64.29	0.000	0.000	592.34	0.00	0.00
7	146.00	Ericsson 4449 B71 + B85	3	46.150	50.765	0.81	0.90	4.74	202.50	0.000	0.000	240.55	0.00	0.00
8	146.00	Ericsson 4460 B25 + B66	3	46.150	50.765	0.77	0.90	4.91	280.80	0.000	0.000	249.32	0.00	0.00
9	146.00	Empty Pipe Mounts	3	46.150	50.765	0.90	0.90	5.18	162.00	0.000	0.000	263.16	0.00	0.00
10	136.00	Low Profile Platform w/	1	45.470	50.017	1.00	1.00	43.29	1350.00	0.000	0.000	2165.24	0.00	0.00
11	136.00	DC2-48-60-18-8F	1	45.470	50.017	0.63	0.80	0.58	13.05	0.000	0.000	29.08	0.00	0.00
12	136.00	RRUS-11	6	45.470	50.017	0.55	0.80	12.55	275.40	0.000	0.000	627.84	0.00	0.00
13	136.00	LGP21903	6	45.470	50.017	0.59	0.80	0.82	29.70	0.000	0.000	40.86	0.00	0.00
14	136.00	AM-X-CD-17-65-00T-RET	3	45.470	50.017	0.63	0.80	12.13	160.65	0.000	0.000	606.93	0.00	0.00
15	136.00	7770	6	45.470	50.017	0.62	0.80	20.36	189.00	0.000	0.000	1018.60	0.00	0.00
16	136.00	LGP21401	6	45.470	50.017	0.53	0.80	3.33	76.14	0.000	0.000	166.38	0.00	0.00
17	128.00	Low Profile Platform w/	1	44.898	49.388	1.00	1.00	35.03	1677.15	0.000	0.000	1730.05	0.00	0.00
18	128.00	BXA-70063/6CF __ 2°	3	44.898	49.388	0.60	0.80	13.63	45.90	0.000	0.000	672.95	0.00	0.00
19	126.00	B2/B66A	3	44.750	49.225	0.66	0.80	3.74	227.88	0.000	0.000	184.35	0.00	0.00
20	126.00	MX06FRO660-03	6	44.750	49.225	0.70	0.80	41.22	324.00	0.000	0.000	2028.93	0.00	0.00
21	126.00	MT6407-77A	3	44.750	49.225	0.56	0.80	7.90	235.17	0.000	0.000	388.68	0.00	0.00
22	126.00	Kaelus BSF0020F3V1-1	2	44.898	49.388	1.00	1.00	1.92	31.68	0.000	2.000	94.82	0.00	189.65
23	126.00	B5/B13	3	44.750	49.225	0.66	0.80	3.74	189.81	0.000	0.000	184.35	0.00	0.00
24	126.00	Raycap	1	44.750	49.225	0.66	0.80	1.67	18.90	0.000	0.000	82.04	0.00	0.00
<b>Totals:</b>									<b>8,257.80</b>			<b>15,893.30</b>		

## Total Applied Force Summary

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	Page: 16
	<b>Struct Class:</b> II	



**Load Case:** 0.9D + 1.0W 119 mph Wind

**Dead Load Factor** 0.90  
**Wind Load Factor** 1.00



**Iterations** 22

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		581.13	1460.95	0.00	0.00
10.00		569.27	1434.99	0.00	0.00
15.00		564.30	1409.03	0.00	0.00
20.00		584.84	1383.07	0.00	0.00
25.00		598.44	1357.11	0.00	0.00
30.00		607.22	1331.14	0.00	0.00
35.00		612.41	1305.18	0.00	0.00
40.00		614.78	1279.22	0.00	0.00
45.00		614.86	1253.26	0.00	0.00
47.00		243.92	494.04	0.00	0.00
50.00		372.58	1359.07	0.00	0.00
53.25		402.60	1451.24	0.00	0.00
55.00		215.51	424.03	0.00	0.00
60.00		616.18	1193.98	0.00	0.00
65.00		610.31	1168.02	0.00	0.00
70.00		603.34	1142.06	0.00	0.00
75.00		595.39	1116.10	0.00	0.00
80.00		586.54	1090.14	0.00	0.00
85.00		576.88	1064.18	0.00	0.00
90.00		566.48	1038.22	0.00	0.00
95.00		555.39	1012.26	0.00	0.00
95.75		81.93	149.60	0.00	0.00
100.00		470.23	1422.41	0.00	0.00
100.50		54.54	165.05	0.00	0.00
105.00		487.30	778.57	0.00	0.00
110.00		529.58	843.94	0.00	0.00
115.00		516.31	821.69	0.00	0.00
120.00		502.54	799.44	0.00	0.00
125.00		488.31	777.18	0.00	0.00
126.00	(18) attachments	3058.77	1180.21	0.00	189.65
128.00	(4) attachments	2592.59	2025.91	0.00	0.00
130.00		187.21	276.62	0.00	0.00
135.00		458.56	675.98	0.00	0.00
136.00	(29) attachments	4744.52	2226.47	0.00	0.00
140.00		352.94	472.67	0.00	0.00
145.00		427.22	570.82	0.00	0.00
146.00	(28) attachments	5955.47	3524.86	0.00	0.00
149.00		246.26	284.48	0.00	0.00
	<b>Totals:</b>	<b>32,446.65</b>	<b>41,763.19</b>	<b>0.00</b>	<b>189.65</b>

## Linear Appurtenance Segment Forces (Factored)

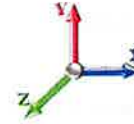
<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	<b>7/7/2023</b>
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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**Load Case:** 0.9D + 1.0W 119 mph Wind

**Dead Load Factor** 0.90  
**Wind Load Factor** 1.00



**Iterations** 22

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	0.017	0.000	28.580	0.00	1.23
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	28.580	0.00	4.68
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	28.580	0.00	1.23
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	28.580	0.00	4.68
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	28.933	0.00	1.23
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	28.933	0.00	4.68
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	30.637	0.00	1.23
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	30.637	0.00	4.68
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	32.046	0.00	1.23
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	32.046	0.00	4.68
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	33.255	0.00	1.23
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	33.255	0.00	4.68
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	34.319	0.00	1.23
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	34.319	0.00	4.68
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	35.271	0.00	1.23
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	35.271	0.00	4.68
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	36.136	0.00	1.23
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	36.136	0.00	4.68
47.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	36.462	0.00	0.49
47.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	36.462	0.00	1.87
50.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.020	0.000	36.930	0.00	0.74
50.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.020	0.000	36.930	0.00	2.81
53.25	Safety Cable	Yes	3.25	0.000	0.38	0.10	0.00	0.021	0.000	37.413	0.00	0.80
53.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.17	0.00	0.021	0.000	37.413	0.00	3.04
55.00	Safety Cable	Yes	1.75	0.000	0.38	0.06	0.00	0.021	0.000	37.664	0.00	0.43
55.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.09	0.00	0.021	0.000	37.664	0.00	1.64
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	38.349	0.00	1.23
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	38.349	0.00	4.68
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	38.990	0.00	1.23
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	38.990	0.00	4.68
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	39.594	0.00	1.23
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	39.594	0.00	4.68
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	40.165	0.00	1.23
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	40.165	0.00	4.68
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	40.708	0.00	1.23
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	40.708	0.00	4.68
85.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	41.224	0.00	1.23
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	41.224	0.00	4.68
90.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	41.718	0.00	1.23
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	41.718	0.00	4.68
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	42.190	0.00	1.23
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	42.190	0.00	4.68
95.75	Safety Cable	Yes	0.75	0.000	0.38	0.02	0.00	0.026	0.000	42.259	0.00	0.18
95.75	Step bolts (ladder)	Yes	0.75	0.000	0.63	0.04	0.00	0.026	0.000	42.259	0.00	0.70
100.00	Safety Cable	Yes	4.25	0.000	0.38	0.13	0.00	0.027	0.000	42.643	0.00	1.04
100.00	Step bolts (ladder)	Yes	4.25	0.000	0.63	0.22	0.00	0.027	0.000	42.643	0.00	3.98
100.50	Safety Cable	Yes	0.50	0.000	0.38	0.02	0.00	0.027	0.000	42.688	0.00	0.12

## Linear Appurtenance Segment Forces (Factored)

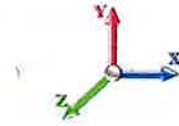
<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	Page: 18
	<b>Struct Class:</b> II	



**Load Case:** 0.9D + 1.0W 119 mph Wind

**Dead Load Factor** 0.90

**Wind Load Factor** 1.00



**Iterations** 22

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)
100.50	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.027	0.000	42.688	0.00	0.47
105.00	Safety Cable	Yes	4.50	0.000	0.38	0.14	0.00	0.027	0.000	43.079	0.00	1.11
105.00	Step bolts (ladder)	Yes	4.50	0.000	0.63	0.24	0.00	0.027	0.000	43.079	0.00	4.21
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	43.500	0.00	1.23
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	43.500	0.00	4.68
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	43.905	0.00	1.23
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	43.905	0.00	4.68
120.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	44.297	0.00	1.23
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	44.297	0.00	4.68
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	44.676	0.00	1.23
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	44.676	0.00	4.68
126.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.032	0.000	44.750	0.00	0.25
126.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.032	0.000	44.750	0.00	0.94
128.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.032	0.000	44.898	0.00	0.49
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.032	0.000	44.898	0.00	1.87
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	45.043	0.00	0.49
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.033	0.000	45.043	0.00	1.87
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	45.400	0.00	1.23
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	45.400	0.00	4.68
136.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.034	0.000	45.470	0.00	0.25
136.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.034	0.000	45.470	0.00	0.94
140.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.035	0.000	45.746	0.00	0.98
140.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.035	0.000	45.746	0.00	3.74
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	46.083	0.00	1.23
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	46.083	0.00	4.68
146.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.037	0.000	46.150	0.00	0.25
146.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.037	0.000	46.150	0.00	0.94
149.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.038	0.000	46.346	0.00	0.74
149.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.038	0.000	46.346	0.00	2.81
<b>Totals:</b>											<b>0.0</b>	<b>176.1</b>

## Calculated Forces

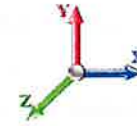
<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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**Load Case:** 0.9D + 1.0W 119 mph Wind

**Dead Load Factor**    0.90  
**Wind Load Factor**    1.00



**Iterations**    22

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	-41.73	-32.49	0.00	-3458.5	0.00	3458.50	5580.79	1462.72	7284.32	6896.19	0.00	0.000	0.000	0.509
5.00	-40.19	-32.00	0.00	-3296.0	0.00	3296.03	5509.80	1432.96	6990.98	6668.96	0.07	-0.127	0.000	0.502
10.00	-38.69	-31.51	0.00	-3136.0	0.00	3136.03	5437.04	1403.21	6703.67	6443.24	0.27	-0.255	0.000	0.494
15.00	-37.21	-31.03	0.00	-2978.4	0.00	2978.47	5362.51	1373.45	6422.39	6219.15	0.61	-0.385	0.000	0.486
20.00	-35.77	-30.51	0.00	-2823.3	0.00	2823.34	5286.22	1343.70	6147.13	5996.84	1.08	-0.516	0.000	0.478
25.00	-34.34	-29.98	0.00	-2670.7	0.00	2670.77	5208.16	1313.95	5877.91	5776.42	1.69	-0.649	0.000	0.469
30.00	-32.95	-29.44	0.00	-2520.8	0.00	2520.87	5128.34	1284.19	5614.71	5558.05	2.45	-0.783	0.000	0.461
35.00	-31.59	-28.88	0.00	-2373.7	0.00	2373.70	5046.75	1254.44	5357.54	5341.85	3.34	-0.919	0.000	0.451
40.00	-30.25	-28.31	0.00	-2229.3	0.00	2229.31	4963.39	1224.68	5106.40	5127.96	4.38	-1.056	0.000	0.441
45.00	-28.96	-27.72	0.00	-2087.7	0.00	2087.74	4878.27	1194.93	4861.29	4916.50	5.56	-1.194	0.000	0.431
47.00	-28.44	-27.50	0.00	-2032.2	0.00	2032.29	4843.73	1183.03	4764.93	4832.64	6.07	-1.250	0.000	0.427
50.00	-27.05	-27.14	0.00	-1949.7	0.00	1949.78	4791.38	1165.17	4622.20	4707.63	6.88	-1.335	0.000	0.420
53.25	-25.57	-26.74	0.00	-1861.5	0.00	1861.56	4797.23	1167.16	4637.95	4721.46	7.82	-1.427	0.000	0.400
55.00	-25.11	-26.55	0.00	-1814.7	0.00	1814.77	4766.44	1156.74	4555.55	4648.93	8.36	-1.477	0.000	0.396
60.00	-23.88	-25.96	0.00	-1682.0	0.00	1682.02	4677.28	1126.99	4324.20	4443.55	9.97	-1.610	0.000	0.384
65.00	-22.67	-25.37	0.00	-1552.2	0.00	1552.22	4586.36	1097.23	4098.88	4241.06	11.73	-1.742	0.000	0.371
70.00	-21.49	-24.78	0.00	-1425.3	0.00	1425.39	4493.67	1067.48	3879.59	4041.58	13.63	-1.874	0.000	0.358
75.00	-20.34	-24.19	0.00	-1301.5	0.00	1301.51	4393.03	1037.72	3666.33	3839.84	15.66	-2.006	0.000	0.344
80.00	-19.22	-23.61	0.00	-1180.5	0.00	1180.55	4267.07	1007.97	3459.10	3621.71	17.83	-2.136	0.000	0.331
85.00	-18.12	-23.03	0.00	-1062.5	0.00	1062.51	4141.11	978.21	3257.89	3409.96	20.14	-2.265	0.000	0.317
90.00	-17.06	-22.46	0.00	-947.35	0.00	947.35	4015.15	948.46	3062.71	3204.59	22.58	-2.391	0.000	0.300
95.00	-16.05	-21.88	0.00	-835.05	0.00	835.05	3889.19	918.71	2873.56	3005.60	25.15	-2.513	0.000	0.283
95.75	-15.88	-21.81	0.00	-818.64	0.00	818.64	3870.29	914.24	2845.71	2976.30	25.55	-2.532	0.000	0.280
100.00	-14.46	-21.29	0.00	-725.94	0.00	725.94	3763.23	888.95	2690.44	2812.98	27.85	-2.633	0.000	0.262
100.50	-14.27	-21.24	0.00	-715.30	0.00	715.30	3276.58	776.38	2394.21	2500.28	28.12	-2.645	0.000	0.291
105.00	-13.48	-20.75	0.00	-619.70	0.00	619.70	3189.50	753.43	2254.74	2361.16	30.66	-2.746	0.000	0.267
110.00	-12.62	-20.20	0.00	-515.98	0.00	515.98	3081.54	727.92	2104.67	2203.22	33.60	-2.861	0.000	0.239
115.00	-11.80	-19.66	0.00	-414.99	0.00	414.99	2973.57	702.42	1959.78	2050.74	36.66	-2.965	0.000	0.207
120.00	-11.00	-19.13	0.00	-316.68	0.00	316.68	2865.60	676.91	1820.05	1903.74	39.81	-3.056	0.000	0.171
125.00	-10.23	-18.61	0.00	-221.01	0.00	221.01	2757.64	651.41	1685.48	1762.20	43.05	-3.131	0.000	0.130
126.00	-9.22	-15.50	0.00	-202.21	0.00	202.21	2736.04	646.31	1659.19	1734.55	43.71	-3.144	0.000	0.121
128.00	-7.33	-12.80	0.00	-171.22	0.00	171.22	2692.86	636.11	1607.23	1679.90	45.03	-3.168	0.000	0.105
130.00	-7.06	-12.60	0.00	-145.62	0.00	145.62	2649.67	625.91	1556.09	1626.12	46.36	-3.189	0.000	0.093
135.00	-6.41	-12.11	0.00	-82.62	0.00	82.62	2541.71	600.40	1431.86	1495.52	49.73	-3.229	0.000	0.058
136.00	-4.45	-7.25	0.00	-70.51	0.00	70.51	2520.11	595.30	1407.63	1470.06	50.40	-3.235	0.000	0.050
140.00	-4.00	-6.87	0.00	-41.53	0.00	41.53	2433.74	574.90	1312.80	1370.38	53.12	-3.253	0.000	0.032
145.00	-3.45	-6.41	0.00	-7.19	0.00	7.19	2325.77	549.40	1198.90	1250.71	56.53	-3.264	0.000	0.007
146.00	-0.27	-0.26	0.00	-0.79	0.00	0.79	2304.18	544.29	1176.75	1227.43	57.22	-3.265	0.000	0.001
149.00	0.00	-0.25	0.00	0.00	0.00	0.00	2239.40	528.99	1111.51	1158.91	59.27	-3.265	0.000	0.000

## Wind Loading - Shaft

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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

**Dead Load Factor** 1.20  
**Wind Load Factor** 1.00



**Iterations** 21

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	5.046	5.55	0.00	1.200	1.057	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.046	5.55	0.00	1.200	1.265	5.00	26.376	31.65	175.7	479.4	2163.8
10.00		1.00	0.85	5.046	5.55	0.00	1.200	1.344	5.00	25.925	31.11	172.7	499.8	2149.5
15.00		1.00	0.86	5.108	5.62	0.00	1.200	1.395	5.00	25.452	30.54	171.6	508.6	2123.7
20.00		1.00	0.91	5.409	5.95	0.00	1.200	1.434	5.00	24.967	29.96	178.3	512.0	2092.5
25.00		1.00	0.95	5.658	6.22	0.00	1.200	1.465	5.00	24.476	29.37	182.8	512.1	2058.0
30.00		1.00	0.99	5.871	6.46	0.00	1.200	1.491	5.00	23.981	28.78	185.8	510.1	2021.3
35.00		1.00	1.02	6.059	6.66	0.00	1.200	1.513	5.00	23.483	28.18	187.8	506.4	1983.0
40.00		1.00	1.05	6.227	6.85	0.00	1.200	1.533	5.00	22.983	27.58	188.9	501.5	1943.5
45.00		1.00	1.07	6.380	7.02	0.00	1.200	1.551	5.00	22.482	26.98	189.3	495.6	1903.0
47.00	Bot - Section 2	1.00	1.08	6.437	7.08	0.00	1.200	1.557	2.00	8.850	10.62	75.2	197.2	750.5
50.00		1.00	1.10	6.520	7.17	0.00	1.200	1.567	3.00	13.347	16.02	114.9	298.5	1952.4
53.25	Top - Section 1	1.00	1.11	6.605	7.27	0.00	1.200	1.576	3.25	14.255	17.11	124.3	320.3	2084.0
55.00		1.00	1.12	6.649	7.31	0.00	1.200	1.581	1.75	7.587	9.10	66.6	171.6	644.7
60.00		1.00	1.14	6.770	7.45	0.00	1.200	1.595	5.00	21.339	25.61	190.7	482.3	1810.7
65.00		1.00	1.16	6.883	7.57	0.00	1.200	1.608	5.00	20.833	25.00	189.3	474.0	1767.7
70.00		1.00	1.18	6.990	7.69	0.00	1.200	1.619	5.00	20.326	24.39	187.5	465.2	1724.3
75.00		1.00	1.19	7.091	7.80	0.00	1.200	1.631	5.00	19.819	23.78	185.5	456.0	1680.5
80.00		1.00	1.21	7.187	7.91	0.00	1.200	1.641	5.00	19.311	23.17	183.2	446.4	1636.4
85.00		1.00	1.23	7.278	8.01	0.00	1.200	1.651	5.00	18.802	22.56	180.6	436.6	1591.9
90.00		1.00	1.24	7.365	8.10	0.00	1.200	1.660	5.00	18.294	21.95	177.8	426.5	1547.2
95.00		1.00	1.25	7.448	8.19	0.00	1.200	1.669	5.00	17.785	21.34	174.9	416.1	1502.1
95.75	Bot - Section 3	1.00	1.26	7.461	8.21	0.00	1.200	1.670	0.75	2.623	3.15	25.8	62.2	222.1
100.00		1.00	1.27	7.528	8.28	0.00	1.200	1.678	4.25	14.921	17.90	148.3	351.3	2023.8
100.50	Top - Section 2	1.00	1.27	7.536	8.29	0.00	1.200	1.678	0.50	1.731	2.08	17.2	41.2	234.9
105.00		1.00	1.28	7.605	8.37	0.00	1.200	1.686	4.50	15.351	18.42	154.1	362.3	1163.1
110.00		1.00	1.29	7.679	8.45	0.00	1.200	1.693	5.00	16.572	19.89	168.0	391.5	1253.2
115.00		1.00	1.31	7.751	8.53	0.00	1.200	1.701	5.00	16.062	19.27	164.3	380.3	1212.3
120.00		1.00	1.32	7.820	8.60	0.00	1.200	1.708	5.00	15.551	18.66	160.5	368.9	1171.2
125.00		1.00	1.33	7.887	8.68	0.00	1.200	1.715	5.00	15.041	18.05	156.6	357.4	1130.0
126.00	Appurtenance(s)	1.00	1.33	7.900	8.69	0.00	1.200	1.716	1.00	2.946	3.54	30.7	71.0	222.0
128.00	Appurtenance(s)	1.00	1.34	7.926	8.72	0.00	1.200	1.719	2.00	5.832	7.00	61.0	140.1	438.5
130.00		1.00	1.34	7.952	8.75	0.00	1.200	1.722	2.00	5.750	6.90	60.4	138.3	431.9
135.00		1.00	1.35	8.015	8.82	0.00	1.200	1.728	5.00	14.018	16.82	148.3	333.8	1047.1
136.00	Appurtenance(s)	1.00	1.35	8.027	8.83	0.00	1.200	1.729	1.00	2.742	3.29	29.1	66.3	205.4
140.00		1.00	1.36	8.076	8.88	0.00	1.200	1.734	4.00	10.764	12.92	114.8	257.4	802.0
145.00		1.00	1.37	8.136	8.95	0.00	1.200	1.741	5.00	12.996	15.59	139.6	309.7	963.6
146.00	Appurtenance(s)	1.00	1.37	8.147	8.96	0.00	1.200	1.742	1.00	2.537	3.04	27.3	61.4	188.7
149.00		1.00	1.38	8.182	9.00	0.00	1.200	1.745	3.00	7.490	8.99	80.9	179.9	554.5
<b>Totals:</b>									<b>149.00</b>			<b>5,170.2</b>		<b>50,395.0</b>



## Discrete Appurtenance Forces

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> 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** 21

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	146.00	RFS	3	8.147	8.962	0.66	0.90	43.56	1017.04	0.000	0.000	390.40	0.00	0.00
2	146.00	Ericsson KRY 112 489/4	6	8.147	8.962	0.77	0.90	4.06	177.57	0.000	0.000	36.36	0.00	0.00
3	146.00	Low Profile Platform w/	1	8.147	8.962	1.00	1.00	64.62	6106.25	0.000	0.000	579.12	0.00	0.00
4	146.00	Ericsson AIR6419 B41	3	8.147	8.962	0.67	0.90	14.63	1004.00	0.000	0.000	131.14	0.00	0.00
5	146.00	Kathrein 782 10662	3	8.147	8.962	0.76	0.90	0.76	12.05	0.000	0.000	6.81	0.00	0.00
6	146.00	Commscope VV-65A-R1	3	8.147	8.962	0.68	0.90	14.10	258.56	0.000	0.000	126.37	0.00	0.00
7	146.00	Ericsson 4449 B71 + B85	3	8.147	8.962	0.82	0.90	6.16	342.33	0.000	0.000	55.20	0.00	0.00
8	146.00	Ericsson 4460 B25 + B66	3	8.147	8.962	0.77	0.90	6.31	448.84	0.000	0.000	56.54	0.00	0.00
9	146.00	Empty Pipe Mounts	3	8.147	8.962	0.90	0.90	9.70	621.72	0.000	0.000	86.92	0.00	0.00
10	136.00	Low Profile Platform w/	1	8.027	8.830	1.00	1.00	80.72	3667.82	0.000	0.000	712.80	0.00	0.00
11	136.00	DC2-48-60-18-8F	1	8.027	8.830	0.65	0.80	0.85	23.71	0.000	0.000	7.47	0.00	0.00
12	136.00	RRUS-11	6	8.027	8.830	0.57	0.80	15.51	809.94	0.000	0.000	136.93	0.00	0.00
13	136.00	LGP21903	6	8.027	8.830	0.62	0.80	1.66	62.27	0.000	0.000	14.63	0.00	0.00
14	136.00	AM-X-CD-17-65-00T-RET	3	8.027	8.830	0.64	0.80	14.38	486.82	0.000	0.000	126.97	0.00	0.00
15	136.00	7770	6	8.027	8.830	0.62	0.80	24.43	1222.22	0.000	0.000	215.68	0.00	0.00
16	136.00	LGP21401	6	8.027	8.830	0.56	0.80	4.94	212.67	0.000	0.000	43.63	0.00	0.00
17	128.00	Low Profile Platform w/	1	7.926	8.719	1.00	1.00	65.14	4606.24	0.000	0.000	567.95	0.00	0.00
18	128.00	BXA-70063/6CF __ 2°	3	7.926	8.719	0.61	0.80	16.00	426.65	0.000	0.000	139.51	0.00	0.00
19	126.00	B2/B66A	3	7.900	8.690	0.68	0.80	4.93	445.91	0.000	0.000	42.83	0.00	0.00
20	126.00	MX06FRO660-03	6	7.900	8.690	0.70	0.80	47.24	1619.35	0.000	0.000	410.56	0.00	0.00
21	126.00	MT6407-77A	3	7.900	8.690	0.57	0.80	9.52	591.45	0.000	0.000	82.74	0.00	0.00
22	126.00	Kaelus BSF0020F3V1-1	2	7.926	8.719	1.00	1.00	2.70	61.42	0.000	2.000	23.56	0.00	47.11
23	126.00	B5/B13	3	7.900	8.690	0.68	0.80	4.93	367.85	0.000	0.000	42.83	0.00	0.00
24	126.00	Raycap	1	7.900	8.690	0.67	0.80	2.10	60.58	0.000	0.000	18.25	0.00	0.00
<b>Totals:</b>								<b>24,653.28</b>				<b>4,055.21</b>		

## Total Applied Force Summary

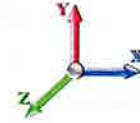
<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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

**Dead Load Factor** 1.20  
**Wind Load Factor** 1.00



**Iterations** 21

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		175.67	2452.06	0.00	0.00
10.00		172.66	2440.61	0.00	0.00
15.00		171.60	2416.76	0.00	0.00
20.00		178.25	2387.01	0.00	0.00
25.00		182.79	2353.74	0.00	0.00
30.00		185.85	2318.09	0.00	0.00
35.00		187.81	2280.70	0.00	0.00
40.00		188.91	2241.99	0.00	0.00
45.00		189.32	2202.22	0.00	0.00
47.00		75.20	870.27	0.00	0.00
50.00		114.86	2132.36	0.00	0.00
53.25		124.28	2279.17	0.00	0.00
55.00		66.59	749.86	0.00	0.00
60.00		190.70	2111.81	0.00	0.00
65.00		189.29	2069.38	0.00	0.00
70.00		187.54	2026.48	0.00	0.00
75.00		185.50	1983.16	0.00	0.00
80.00		183.19	1939.46	0.00	0.00
85.00		180.63	1895.44	0.00	0.00
90.00		177.84	1851.10	0.00	0.00
95.00		174.85	1806.49	0.00	0.00
95.75		25.83	267.76	0.00	0.00
100.00		148.27	2282.84	0.00	0.00
100.50		17.22	265.41	0.00	0.00
105.00		154.11	1437.71	0.00	0.00
110.00		167.99	1558.60	0.00	0.00
115.00		164.34	1518.06	0.00	0.00
120.00		160.53	1477.33	0.00	0.00
125.00		156.59	1436.43	0.00	0.00
126.00	(18) attachments	651.49	3429.84	0.00	47.11
128.00	(4) attachments	768.48	5594.06	0.00	0.00
130.00		60.35	524.34	0.00	0.00
135.00		148.31	1278.53	0.00	0.00
136.00	(29) attachments	1287.17	6737.14	0.00	0.00
140.00		114.75	922.64	0.00	0.00
145.00		139.56	1114.75	0.00	0.00
146.00	(28) attachments	1496.15	10207.27	0.00	0.00
149.00		80.89	585.76	0.00	0.00
	<b>Totals:</b>	<b>9,225.37</b>	<b>83,446.62</b>	<b>0.00</b>	<b>47.11</b>

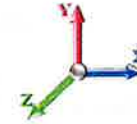
## Linear Appurtenance Segment Forces (Factored)

Structure: CT13614-A	Code: TIA-222-H	7/7/2023
Site Name: Knowlton	Exposure: C	
Height: 149.00 (ft)	Crest Height: 0.00	
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	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** 21

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	1.21	0.00	0.017	0.000	5.046	0.00	13.31
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.32	0.00	0.017	0.000	5.046	0.00	19.25
10.00	Safety Cable	Yes	5.00	0.000	0.38	1.28	0.00	0.017	0.000	5.046	0.00	14.69
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.38	0.00	0.017	0.000	5.046	0.00	20.70
15.00	Safety Cable	Yes	5.00	0.000	0.38	1.32	0.00	0.017	0.000	5.108	0.00	15.62
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.43	0.00	0.017	0.000	5.108	0.00	21.69
20.00	Safety Cable	Yes	5.00	0.000	0.38	1.35	0.00	0.018	0.000	5.409	0.00	16.34
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.46	0.00	0.018	0.000	5.409	0.00	22.44
25.00	Safety Cable	Yes	5.00	0.000	0.38	1.38	0.00	0.018	0.000	5.658	0.00	16.94
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.48	0.00	0.018	0.000	5.658	0.00	23.07
30.00	Safety Cable	Yes	5.00	0.000	0.38	1.40	0.00	0.019	0.000	5.871	0.00	17.44
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.50	0.00	0.019	0.000	5.871	0.00	23.60
35.00	Safety Cable	Yes	5.00	0.000	0.38	1.42	0.00	0.019	0.000	6.059	0.00	17.89
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.52	0.00	0.019	0.000	6.059	0.00	24.07
40.00	Safety Cable	Yes	5.00	0.000	0.38	1.44	0.00	0.019	0.000	6.227	0.00	18.29
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.54	0.00	0.019	0.000	6.227	0.00	24.48
45.00	Safety Cable	Yes	5.00	0.000	0.38	1.45	0.00	0.020	0.000	6.380	0.00	18.65
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.55	0.00	0.020	0.000	6.380	0.00	24.86
47.00	Safety Cable	Yes	2.00	0.000	0.38	0.58	0.00	0.020	0.000	6.437	0.00	7.51
47.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.62	0.00	0.020	0.000	6.437	0.00	10.00
50.00	Safety Cable	Yes	3.00	0.000	0.38	0.88	0.00	0.020	0.000	6.520	0.00	11.39
50.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.94	0.00	0.020	0.000	6.520	0.00	15.12
53.25	Safety Cable	Yes	3.25	0.000	0.38	0.96	0.00	0.021	0.000	6.605	0.00	12.46
53.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	1.02	0.00	0.021	0.000	6.605	0.00	16.52
55.00	Safety Cable	Yes	1.75	0.000	0.38	0.52	0.00	0.021	0.000	6.649	0.00	6.75
55.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.55	0.00	0.021	0.000	6.649	0.00	8.93
60.00	Safety Cable	Yes	5.00	0.000	0.38	1.49	0.00	0.021	0.000	6.770	0.00	19.56
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.59	0.00	0.021	0.000	6.770	0.00	25.82
65.00	Safety Cable	Yes	5.00	0.000	0.38	1.50	0.00	0.022	0.000	6.883	0.00	19.83
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.60	0.00	0.022	0.000	6.883	0.00	26.10
70.00	Safety Cable	Yes	5.00	0.000	0.38	1.51	0.00	0.022	0.000	6.990	0.00	20.08
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.61	0.00	0.022	0.000	6.990	0.00	26.36
75.00	Safety Cable	Yes	5.00	0.000	0.38	1.52	0.00	0.023	0.000	7.091	0.00	20.31
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.62	0.00	0.023	0.000	7.091	0.00	26.61
80.00	Safety Cable	Yes	5.00	0.000	0.38	1.53	0.00	0.023	0.000	7.187	0.00	20.54
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.63	0.00	0.023	0.000	7.187	0.00	26.84
85.00	Safety Cable	Yes	5.00	0.000	0.38	1.53	0.00	0.024	0.000	7.278	0.00	20.75
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.64	0.00	0.024	0.000	7.278	0.00	27.06
90.00	Safety Cable	Yes	5.00	0.000	0.38	1.54	0.00	0.025	0.000	7.365	0.00	20.95
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.65	0.00	0.025	0.000	7.365	0.00	27.27
95.00	Safety Cable	Yes	5.00	0.000	0.38	1.55	0.00	0.026	0.000	7.448	0.00	21.15
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.65	0.00	0.026	0.000	7.448	0.00	27.48
95.75	Safety Cable	Yes	0.75	0.000	0.38	0.23	0.00	0.026	0.000	7.461	0.00	3.18
95.75	Step bolts (ladder)	Yes	0.75	0.000	0.63	0.25	0.00	0.026	0.000	7.461	0.00	4.13
100.00	Safety Cable	Yes	4.25	0.000	0.38	1.32	0.00	0.027	0.000	7.528	0.00	18.13
100.00	Step bolts (ladder)	Yes	4.25	0.000	0.63	1.41	0.00	0.027	0.000	7.528	0.00	23.52
100.50	Safety Cable	Yes	0.50	0.000	0.38	0.16	0.00	0.027	0.000	7.536	0.00	2.14

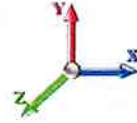
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	Page: 24
	<b>Struct Class:</b> II	



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

**Dead Load Factor** 1.20  
**Wind Load Factor** 1.00



**Iterations** 21

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)
100.50	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.17	0.00	0.027	0.000	7.536	0.00	2.77
105.00	Safety Cable	Yes	4.50	0.000	0.38	1.41	0.00	0.027	0.000	7.605	0.00	19.36
105.00	Step bolts (ladder)	Yes	4.50	0.000	0.63	1.50	0.00	0.027	0.000	7.605	0.00	25.07
110.00	Safety Cable	Yes	5.00	0.000	0.38	1.57	0.00	0.028	0.000	7.679	0.00	21.68
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.67	0.00	0.028	0.000	7.679	0.00	28.04
115.00	Safety Cable	Yes	5.00	0.000	0.38	1.58	0.00	0.029	0.000	7.751	0.00	21.85
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.68	0.00	0.029	0.000	7.751	0.00	28.21
120.00	Safety Cable	Yes	5.00	0.000	0.38	1.58	0.00	0.030	0.000	7.820	0.00	22.01
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.69	0.00	0.030	0.000	7.820	0.00	28.38
125.00	Safety Cable	Yes	5.00	0.000	0.38	1.59	0.00	0.031	0.000	7.887	0.00	22.17
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.69	0.00	0.031	0.000	7.887	0.00	28.54
126.00	Safety Cable	Yes	1.00	0.000	0.38	0.32	0.00	0.032	0.000	7.900	0.00	4.44
126.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.34	0.00	0.032	0.000	7.900	0.00	5.71
128.00	Safety Cable	Yes	2.00	0.000	0.38	0.64	0.00	0.032	0.000	7.926	0.00	8.90
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.68	0.00	0.032	0.000	7.926	0.00	11.45
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.64	0.00	0.033	0.000	7.952	0.00	8.93
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.68	0.00	0.033	0.000	7.952	0.00	11.48
135.00	Safety Cable	Yes	5.00	0.000	0.38	1.60	0.00	0.033	0.000	8.015	0.00	22.46
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.70	0.00	0.033	0.000	8.015	0.00	28.85
136.00	Safety Cable	Yes	1.00	0.000	0.38	0.32	0.00	0.034	0.000	8.027	0.00	4.50
136.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.34	0.00	0.034	0.000	8.027	0.00	5.78
140.00	Safety Cable	Yes	4.00	0.000	0.38	1.28	0.00	0.035	0.000	8.076	0.00	18.08
140.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	1.37	0.00	0.035	0.000	8.076	0.00	23.20
145.00	Safety Cable	Yes	5.00	0.000	0.38	1.61	0.00	0.036	0.000	8.136	0.00	22.74
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.71	0.00	0.036	0.000	8.136	0.00	29.14
146.00	Safety Cable	Yes	1.00	0.000	0.38	0.32	0.00	0.037	0.000	8.147	0.00	4.55
146.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.34	0.00	0.037	0.000	8.147	0.00	5.83
149.00	Safety Cable	Yes	3.00	0.000	0.38	0.97	0.00	0.038	0.000	8.182	0.00	13.71
149.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	1.03	0.00	0.038	0.000	8.182	0.00	17.55
<b>Totals:</b>											<b>0.0</b>	<b>1,365.2</b>

## Calculated Forces

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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

**Dead Load Factor** 1.20  
**Wind Load Factor** 1.00



**Iterations** 21

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	-83.44	-9.25	0.00	-989.95	0.00	989.95	5580.79	1462.72	7284.32	6896.19	0.00	0.000	0.000	0.159
5.00	-80.99	-9.13	0.00	-943.69	0.00	943.69	5509.80	1432.96	6990.98	6668.96	0.02	-0.036	0.000	0.156
10.00	-78.54	-9.00	0.00	-898.05	0.00	898.05	5437.04	1403.21	6703.67	6443.24	0.08	-0.073	0.000	0.154
15.00	-76.12	-8.88	0.00	-853.04	0.00	853.04	5362.51	1373.45	6422.39	6219.15	0.17	-0.110	0.000	0.151
20.00	-73.72	-8.74	0.00	-808.66	0.00	808.66	5286.22	1343.70	6147.13	5996.84	0.31	-0.148	0.000	0.149
25.00	-71.37	-8.60	0.00	-764.95	0.00	764.95	5208.16	1313.95	5877.91	5776.42	0.48	-0.186	0.000	0.146
30.00	-69.04	-8.45	0.00	-721.95	0.00	721.95	5128.34	1284.19	5614.71	5558.05	0.70	-0.224	0.000	0.143
35.00	-66.76	-8.30	0.00	-679.69	0.00	679.69	5046.75	1254.44	5357.54	5341.85	0.96	-0.263	0.000	0.141
40.00	-64.51	-8.14	0.00	-638.19	0.00	638.19	4963.39	1224.68	5106.40	5127.96	1.25	-0.302	0.000	0.137
45.00	-62.31	-7.97	0.00	-597.47	0.00	597.47	4878.27	1194.93	4861.29	4916.50	1.59	-0.342	0.000	0.134
47.00	-61.43	-7.91	0.00	-581.52	0.00	581.52	4843.73	1183.03	4764.93	4832.64	1.74	-0.358	0.000	0.133
50.00	-59.30	-7.81	0.00	-557.78	0.00	557.78	4791.38	1165.17	4622.20	4707.63	1.97	-0.382	0.000	0.131
53.25	-57.02	-7.69	0.00	-532.39	0.00	532.39	4797.23	1167.16	4637.95	4721.46	2.24	-0.409	0.000	0.125
55.00	-56.26	-7.65	0.00	-518.93	0.00	518.93	4766.44	1156.74	4555.55	4648.93	2.39	-0.423	0.000	0.123
60.00	-54.15	-7.47	0.00	-480.70	0.00	480.70	4677.28	1126.99	4324.20	4443.55	2.86	-0.461	0.000	0.120
65.00	-52.08	-7.30	0.00	-443.33	0.00	443.33	4586.36	1097.23	4098.88	4241.06	3.36	-0.499	0.000	0.116
70.00	-50.05	-7.13	0.00	-406.82	0.00	406.82	4493.67	1067.48	3879.59	4041.58	3.90	-0.536	0.000	0.112
75.00	-48.06	-6.96	0.00	-371.17	0.00	371.17	4393.03	1037.72	3666.33	3839.84	4.48	-0.574	0.000	0.108
80.00	-46.12	-6.78	0.00	-336.39	0.00	336.39	4267.07	1007.97	3459.10	3621.71	5.11	-0.611	0.000	0.104
85.00	-44.22	-6.61	0.00	-302.48	0.00	302.48	4141.11	978.21	3257.89	3409.96	5.77	-0.648	0.000	0.099
90.00	-42.37	-6.44	0.00	-269.44	0.00	269.44	4015.15	948.46	3062.71	3204.59	6.46	-0.684	0.000	0.095
95.00	-40.56	-6.25	0.00	-237.26	0.00	237.26	3889.19	918.71	2873.56	3005.60	7.20	-0.718	0.000	0.089
95.75	-40.29	-6.24	0.00	-232.57	0.00	232.57	3870.29	914.24	2845.71	2976.30	7.31	-0.724	0.000	0.089
100.00	-38.01	-6.07	0.00	-206.07	0.00	206.07	3763.23	888.95	2690.44	2812.98	7.97	-0.752	0.000	0.083
100.50	-37.74	-6.06	0.00	-203.03	0.00	203.03	3276.58	776.38	2394.21	2500.28	8.05	-0.756	0.000	0.093
105.00	-36.31	-5.90	0.00	-175.77	0.00	175.77	3189.50	753.43	2254.74	2361.16	8.77	-0.785	0.000	0.086
110.00	-34.75	-5.73	0.00	-146.25	0.00	146.25	3081.54	727.92	2104.67	2203.22	9.61	-0.817	0.000	0.078
115.00	-33.23	-5.56	0.00	-117.58	0.00	117.58	2973.57	702.42	1959.78	2050.74	10.49	-0.846	0.000	0.069
120.00	-31.75	-5.39	0.00	-89.76	0.00	89.76	2865.60	676.91	1820.05	1903.74	11.39	-0.872	0.000	0.058
125.00	-30.32	-5.22	0.00	-62.79	0.00	62.79	2757.64	651.41	1685.48	1762.20	12.31	-0.893	0.000	0.047
126.00	-26.90	-4.52	0.00	-57.52	0.00	57.52	2736.04	646.31	1659.19	1734.55	12.50	-0.897	0.000	0.043
128.00	-21.32	-3.67	0.00	-48.49	0.00	48.49	2692.86	636.11	1607.23	1679.90	12.88	-0.904	0.000	0.037
130.00	-20.79	-3.60	0.00	-41.16	0.00	41.16	2649.67	625.91	1556.09	1626.12	13.26	-0.910	0.000	0.033
135.00	-19.51	-3.43	0.00	-23.16	0.00	23.16	2541.71	600.40	1431.86	1495.52	14.22	-0.921	0.000	0.023
136.00	-12.80	-2.04	0.00	-19.72	0.00	19.72	2520.11	595.30	1407.63	1470.06	14.41	-0.923	0.000	0.019
140.00	-11.88	-1.91	0.00	-11.57	0.00	11.57	2433.74	574.90	1312.80	1370.38	15.19	-0.928	0.000	0.013
145.00	-10.77	-1.75	0.00	-2.02	0.00	2.02	2325.77	549.40	1198.90	1250.71	16.16	-0.931	0.000	0.006
146.00	-0.58	-0.09	0.00	-0.27	0.00	0.27	2304.18	544.29	1176.75	1227.43	16.36	-0.931	0.000	0.000
149.00	0.00	-0.08	0.00	0.00	0.00	0.00	2239.40	528.99	1111.51	1158.91	16.94	-0.931	0.000	0.000

## Seismic Segment Forces (Factored)

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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**Load Case:** 1.2D + 1.0Ev + 1.0Eh

<b>Gust Response Factor</b>	1.10	<b>Sds</b>	0.20		<b>Iterations</b>	19
<b>Dead Load Factor</b>	1.20	<b>Seismic Load Factor</b>	1.00		<b>Ss</b>	0.18
<b>Wind Load Factor</b>	0.00	<b>Structure Frequency (f1)</b>	0.43		<b>S1</b>	0.06
		<b>SA</b>	0.04		<b>Seismic Importance Factor</b>	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		1667.2	2.50	65.09	0.03	
10.00		1638.3	7.50	63.96	0.26	
15.00		1609.5	12.50	62.84	0.66	
20.00		1580.6	17.50	61.71	1.22	
25.00		1551.8	22.50	60.58	1.90	
30.00		1522.9	27.50	59.46	2.70	
35.00		1494.1	32.50	58.33	3.59	
40.00		1465.2	37.50	57.20	4.55	
45.00		1436.4	42.50	56.08	5.58	
47.00	Bot - Section 2	566.50	46.00	22.12	1.09	
50.00		1536.4	48.50	59.98	8.18	
53.25	Top - Section 1	1641.0	51.63	64.07	10.47	
55.00		486.52	54.13	18.99	1.11	
60.00		1370.5	57.50	53.51	9.11	
65.00		1341.7	62.50	52.38	10.27	
70.00		1312.8	67.50	51.26	11.42	
75.00		1284.0	72.50	50.13	12.55	
80.00		1255.2	77.50	49.00	13.66	
85.00		1226.3	82.50	47.88	14.73	
90.00		1197.5	87.50	46.75	15.76	
95.00		1168.6	92.50	45.62	16.73	
95.75	Bot - Section 3	172.81	95.38	6.75	0.45	
100.00		1617.8	97.88	63.16	34.85	
100.50	Top - Section 2	187.79	100.25	7.33	0.58	
105.00		904.62	102.75	35.32	12.51	
110.00		981.65	107.50	38.32	15.97	
115.00		956.92	112.50	37.36	16.60	
120.00		932.20	117.50	36.39	17.16	
125.00		907.47	122.50	35.43	17.65	
126.00	Appurtenance(s)	1320.1	125.50	51.54	38.02	
128.00	Appurtenance(s)	2268.5	127.00	88.57	110.16	
130.00		319.89	129.00	12.49	2.63	
135.00		782.42	132.50	30.55	15.44	
136.00	Appurtenance(s)	2480.1	135.50	96.82	148.10	
140.00		539.48	138.00	21.06	8.17	
145.00		652.09	142.50	25.46	12.51	
146.00	Appurtenance(s)	3920.0	145.50	153.04	409.54	
149.00		316.88	147.50	12.37	3.34	
<b>Totals:</b>		<b>47,614.9</b>		<b>1,858.9</b>	<b>1,009.2</b>	<b>Total Wind: 32,446.6</b>

## Calculated Forces

**Structure:** CT13614-A  
**Site Name:** Knowlton  
**Height:** 149.00 (ft)  
**Base Elev:** 1.000 (ft)  
**Gh:** 1.1

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

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<b>Load Case:</b> 1.2D + 1.0Ev + 1.0Eh						<b>Iterations</b> 19
<b>Gust Response Factor</b>	1.10	<b>Sds</b>	0.20	<b>Ss</b>	0.18	
<b>Dead Load Factor</b>	1.20	<b>Seismic Load Factor</b>	1.00	<b>Sd1</b>	0.09	
<b>Wind Load Factor</b>	0.00	<b>Structure Frequency (f1)</b>	0.43	<b>SA</b>	0.04	
<b>Seismic Importance Factor</b>						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	-57.54	-1.01	0.00	-132.11	0.00	132.11	5580.79	1462.72	7284.32	6896.19		0.00	0.00	0.029
5.00	-55.53	-1.02	0.00	-127.05	0.00	127.05	5509.80	1432.96	6990.98	6668.96		0.00	0.00	0.029
10.00	-53.55	-1.02	0.00	-121.97	0.00	121.97	5437.04	1403.21	6703.67	6443.24		0.01	-0.01	0.029
15.00	-51.61	-1.02	0.00	-116.88	0.00	116.88	5362.51	1373.45	6422.39	6219.15		0.02	-0.01	0.028
20.00	-49.71	-1.03	0.00	-111.76	0.00	111.76	5286.22	1343.70	6147.13	5996.84		0.04	-0.02	0.028
25.00	-47.83	-1.03	0.00	-106.63	0.00	106.63	5208.16	1313.95	5877.91	5776.42		0.07	-0.03	0.028
30.00	-46.00	-1.03	0.00	-101.49	0.00	101.49	5128.34	1284.19	5614.71	5558.05		0.10	-0.03	0.027
35.00	-44.20	-1.03	0.00	-96.35	0.00	96.35	5046.75	1254.44	5357.54	5341.85		0.13	-0.04	0.027
40.00	-42.44	-1.03	0.00	-91.21	0.00	91.21	4963.39	1224.68	5106.40	5127.96		0.17	-0.04	0.026
45.00	-40.71	-1.02	0.00	-86.08	0.00	86.08	4878.27	1194.93	4861.29	4916.50		0.22	-0.05	0.026
47.00	-40.03	-1.02	0.00	-84.03	0.00	84.03	4843.73	1183.03	4764.93	4832.64		0.24	-0.05	0.026
50.00	-38.16	-1.02	0.00	-80.96	0.00	80.96	4791.38	1165.17	4622.20	4707.63		0.27	-0.05	0.025
53.25	-36.16	-1.00	0.00	-77.66	0.00	77.66	4797.23	1167.16	4637.95	4721.46		0.31	-0.06	0.024
55.00	-35.58	-1.01	0.00	-75.91	0.00	75.91	4766.44	1156.74	4555.55	4648.93		0.33	-0.06	0.024
60.00	-33.93	-1.00	0.00	-70.88	0.00	70.88	4677.28	1126.99	4324.20	4443.55		0.39	-0.06	0.023
65.00	-32.32	-0.99	0.00	-65.89	0.00	65.89	4586.36	1097.23	4098.88	4241.06		0.47	-0.07	0.023
70.00	-30.75	-0.98	0.00	-60.94	0.00	60.94	4493.67	1067.48	3879.59	4041.58		0.54	-0.08	0.022
75.00	-29.21	-0.97	0.00	-56.05	0.00	56.05	4393.03	1037.72	3666.33	3839.84		0.63	-0.08	0.021
80.00	-27.70	-0.95	0.00	-51.21	0.00	51.21	4267.07	1007.97	3459.10	3621.71		0.71	-0.09	0.021
85.00	-26.24	-0.94	0.00	-46.45	0.00	46.45	4141.11	978.21	3257.89	3409.96		0.81	-0.09	0.020
90.00	-24.81	-0.92	0.00	-41.75	0.00	41.75	4015.15	948.46	3062.71	3204.59		0.91	-0.10	0.019
95.00	-23.41	-0.91	0.00	-37.13	0.00	37.13	3889.19	918.71	2873.56	3005.60		1.01	-0.10	0.018
95.75	-23.21	-0.91	0.00	-36.45	0.00	36.45	3870.29	914.24	2845.71	2976.30		1.03	-0.10	0.018
100.00	-21.25	-0.87	0.00	-32.60	0.00	32.60	3763.23	888.95	2690.44	2812.98		1.13	-0.11	0.017
100.50	-21.02	-0.87	0.00	-32.17	0.00	32.17	3276.58	776.38	2394.21	2500.28		1.14	-0.11	0.019
105.00	-19.94	-0.86	0.00	-28.26	0.00	28.26	3189.50	753.43	2254.74	2361.16		1.24	-0.11	0.018
110.00	-18.78	-0.84	0.00	-23.99	0.00	23.99	3081.54	727.92	2104.67	2203.22		1.37	-0.12	0.017
115.00	-17.65	-0.82	0.00	-19.79	0.00	19.79	2973.57	702.42	1959.78	2050.74		1.49	-0.12	0.016
120.00	-16.55	-0.80	0.00	-15.69	0.00	15.69	2865.60	676.91	1820.05	1903.74		1.63	-0.13	0.014
125.00	-15.47	-0.78	0.00	-11.67	0.00	11.67	2757.64	651.41	1685.48	1762.20		1.76	-0.13	0.012
126.00	-13.85	-0.74	0.00	-10.89	0.00	10.89	2736.04	646.31	1659.19	1734.55		1.79	-0.13	0.011
128.00	-11.06	-0.63	0.00	-9.40	0.00	9.40	2692.86	636.11	1607.23	1679.90		1.85	-0.13	0.010
130.00	-10.68	-0.62	0.00	-8.15	0.00	8.15	2649.67	625.91	1556.09	1626.12		1.90	-0.14	0.009
135.00	-9.75	-0.60	0.00	-5.04	0.00	5.04	2541.71	600.40	1431.86	1495.52		2.05	-0.14	0.007
136.00	-6.68	-0.45	0.00	-4.44	0.00	4.44	2520.11	595.30	1407.63	1470.06		2.08	-0.14	0.006
140.00	-6.03	-0.44	0.00	-2.64	0.00	2.64	2433.74	574.90	1312.80	1370.38		2.19	-0.14	0.004
145.00	-5.24	-0.43	0.00	-0.44	0.00	0.44	2325.77	549.40	1198.90	1250.71		2.34	-0.14	0.003
146.00	-0.39	0.00	0.00	-0.01	0.00	0.01	2304.18	544.29	1176.75	1227.43		2.37	-0.14	0.000
149.00	0.00	0.00	0.00	0.00	0.00	0.00	2239.40	528.99	1111.51	1158.91		2.46	-0.14	0.000

## Seismic Segment Forces (Factored)

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	Page: 28
	<b>Struct Class:</b> II	



**Load Case:** 0.9D + 1.0Ev + 1.0Eh

<b>Gust Response Factor</b>	1.10	<b>Sds</b>	0.20		<b>Iterations</b>	19
<b>Dead Load Factor</b>	0.90	<b>Seismic Load Factor</b>	1.00	<b>Sd1</b>	<b>Ss</b>	0.18
<b>Wind Load Factor</b>	0.00	<b>Structure Frequency (f1)</b>	0.43	<b>SA</b>	<b>S1</b>	0.06
				<b>Seismic Importance Factor</b>		1.00

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		1601.3	2.50	62.52	0.03	
10.00		1572.4	7.50	61.39	0.24	
15.00		1543.6	12.50	60.26	0.63	
20.00		1514.7	17.50	59.14	1.16	
25.00		1485.9	22.50	58.01	1.81	
30.00		1457.0	27.50	56.88	2.57	
35.00		1428.2	32.50	55.76	3.41	
40.00		1399.3	37.50	54.63	4.32	
45.00		1370.5	42.50	53.51	5.28	
47.00	Bot - Section 2	540.14	46.00	21.09	1.03	
50.00		1496.9	48.50	58.44	8.06	
53.25	Top - Section 1	1598.2	51.63	62.39	10.31	
55.00		463.45	54.13	18.09	1.04	
60.00		1304.6	57.50	50.93	8.58	
65.00		1275.8	62.50	49.81	9.65	
70.00		1246.9	67.50	48.68	10.71	
75.00		1218.1	72.50	47.56	11.75	
80.00		1189.3	77.50	46.43	12.75	
85.00		1160.4	82.50	45.30	13.72	
90.00		1131.6	87.50	44.18	14.63	
95.00		1102.7	92.50	43.05	15.50	
95.75	Bot - Section 3	162.93	95.38	6.36	0.42	
100.00		1561.7	97.88	60.97	33.73	
100.50	Top - Section 2	181.20	100.25	7.07	0.56	
105.00		845.31	102.75	33.00	11.37	
110.00		915.75	107.50	35.75	14.47	
115.00		891.02	112.50	34.79	14.98	
120.00		866.30	117.50	33.82	15.43	
125.00		841.57	122.50	32.85	15.81	
126.00	Appurtenance(s)	1306.9	125.50	51.02	38.62	
128.00	Appurtenance(s)	2242.2	127.00	87.54	111.55	
130.00		301.09	129.00	11.75	2.42	
135.00		735.42	132.50	28.71	14.19	
136.00	Appurtenance(s)	2470.7	135.50	96.46	152.26	
140.00		518.05	138.00	20.22	7.82	
145.00		625.31	142.50	24.41	11.95	
146.00	Appurtenance(s)	3914.7	145.50	152.83	423.01	
149.00		315.70	147.50	12.32	3.43	
	<b>Totals:</b>	<b>45,797.9</b>		<b>1,787.9</b>	<b>1,009.2</b>	<b>Total Wind: 32,446.6</b>

R: 1.50



## Calculated Forces

**Structure:** CT13614-A  
**Site Name:** Knowlton  
**Height:** 149.00 (ft)  
**Base Elev:** 1.000 (ft)  
**Gh:** 1.1

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

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<b>Load Case:</b> 0.9D + 1.0Ev + 1.0Eh						<b>Iterations</b> 19
<b>Gust Response Factor</b>	1.10	<b>Sds</b>	0.20	<b>Ss</b>	0.18	
<b>Dead Load Factor</b>	0.90	<b>Seismic Load Factor</b>	1.00	<b>Sd1</b>	0.09	
<b>Wind Load Factor</b>	0.00	<b>Structure Frequency (f1)</b>	0.43	<b>SA</b>	0.04	
<b>Seismic Importance Factor</b>						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	-43.55	-1.01	0.00	-131.83	0.00	131.83	5580.79	1462.72	7284.32	6896.19	0.00	0.00	0.00	0.027
5.00	-42.03	-1.01	0.00	-126.78	0.00	126.78	5509.80	1432.96	6990.98	6668.96	0.00	0.00	0.00	0.027
10.00	-40.53	-1.02	0.00	-121.71	0.00	121.71	5437.04	1403.21	6703.67	6443.24	0.01	-0.01	0.00	0.026
15.00	-39.06	-1.02	0.00	-116.63	0.00	116.63	5362.51	1373.45	6422.39	6219.15	0.02	-0.01	0.00	0.026
20.00	-37.62	-1.02	0.00	-111.53	0.00	111.53	5286.22	1343.70	6147.13	5996.84	0.04	-0.02	0.00	0.026
25.00	-36.20	-1.02	0.00	-106.43	0.00	106.43	5208.16	1313.95	5877.91	5776.42	0.07	-0.03	0.00	0.025
30.00	-34.82	-1.02	0.00	-101.31	0.00	101.31	5128.34	1284.19	5614.71	5558.05	0.09	-0.03	0.00	0.025
35.00	-33.46	-1.02	0.00	-96.20	0.00	96.20	5046.75	1254.44	5357.54	5341.85	0.13	-0.04	0.00	0.025
40.00	-32.12	-1.02	0.00	-91.10	0.00	91.10	4963.39	1224.68	5106.40	5127.96	0.17	-0.04	0.00	0.024
45.00	-30.81	-1.02	0.00	-86.00	0.00	86.00	4878.27	1194.93	4861.29	4916.50	0.22	-0.05	0.00	0.024
47.00	-30.30	-1.02	0.00	-83.97	0.00	83.97	4843.73	1183.03	4764.93	4832.64	0.24	-0.05	0.00	0.024
50.00	-28.88	-1.01	0.00	-80.93	0.00	80.93	4791.38	1165.17	4622.20	4707.63	0.27	-0.05	0.00	0.023
53.25	-27.37	-1.00	0.00	-77.65	0.00	77.65	4797.23	1167.16	4637.95	4721.46	0.31	-0.06	0.00	0.022
55.00	-26.93	-1.00	0.00	-75.91	0.00	75.91	4766.44	1156.74	4555.55	4648.93	0.33	-0.06	0.00	0.022
60.00	-25.68	-0.99	0.00	-70.92	0.00	70.92	4677.28	1126.99	4324.20	4443.55	0.39	-0.06	0.00	0.021
65.00	-24.46	-0.98	0.00	-65.97	0.00	65.97	4586.36	1097.23	4098.88	4241.06	0.46	-0.07	0.00	0.021
70.00	-23.27	-0.97	0.00	-61.06	0.00	61.06	4493.67	1067.48	3879.59	4041.58	0.54	-0.08	0.00	0.020
75.00	-22.11	-0.96	0.00	-56.20	0.00	56.20	4393.03	1037.72	3666.33	3839.84	0.62	-0.08	0.00	0.020
80.00	-20.97	-0.95	0.00	-51.40	0.00	51.40	4267.07	1007.97	3459.10	3621.71	0.71	-0.09	0.00	0.019
85.00	-19.86	-0.93	0.00	-46.66	0.00	46.66	4141.11	978.21	3257.89	3409.96	0.81	-0.09	0.00	0.018
90.00	-18.78	-0.92	0.00	-41.99	0.00	41.99	4015.15	948.46	3062.71	3204.59	0.91	-0.10	0.00	0.018
95.00	-17.72	-0.90	0.00	-37.39	0.00	37.39	3889.19	918.71	2873.56	3005.60	1.01	-0.10	0.00	0.017
95.75	-17.57	-0.90	0.00	-36.71	0.00	36.71	3870.29	914.24	2845.71	2976.30	1.03	-0.10	0.00	0.017
100.00	-16.08	-0.87	0.00	-32.87	0.00	32.87	3763.23	888.95	2690.44	2812.98	1.13	-0.11	0.00	0.016
100.50	-15.91	-0.87	0.00	-32.43	0.00	32.43	3276.58	776.38	2394.21	2500.28	1.14	-0.11	0.00	0.018
105.00	-15.10	-0.86	0.00	-28.53	0.00	28.53	3189.50	753.43	2254.74	2361.16	1.24	-0.11	0.00	0.017
110.00	-14.22	-0.84	0.00	-24.25	0.00	24.25	3081.54	727.92	2104.67	2203.22	1.37	-0.12	0.00	0.016
115.00	-13.36	-0.83	0.00	-20.04	0.00	20.04	2973.57	702.42	1959.78	2050.74	1.49	-0.12	0.00	0.014
120.00	-12.53	-0.81	0.00	-15.91	0.00	15.91	2865.60	676.91	1820.05	1903.74	1.63	-0.13	0.00	0.013
125.00	-11.72	-0.79	0.00	-11.87	0.00	11.87	2757.64	651.41	1685.48	1762.20	1.76	-0.13	0.00	0.011
126.00	-10.49	-0.75	0.00	-11.07	0.00	11.07	2736.04	646.31	1659.19	1734.55	1.79	-0.13	0.00	0.010
128.00	-8.38	-0.63	0.00	-9.57	0.00	9.57	2692.86	636.11	1607.23	1679.90	1.85	-0.14	0.00	0.009
130.00	-8.09	-0.63	0.00	-8.30	0.00	8.30	2649.67	625.91	1556.09	1626.12	1.91	-0.14	0.00	0.008
135.00	-7.38	-0.62	0.00	-5.15	0.00	5.15	2541.71	600.40	1431.86	1495.52	2.05	-0.14	0.00	0.006
136.00	-5.06	-0.46	0.00	-4.53	0.00	4.53	2520.11	595.30	1407.63	1470.06	2.08	-0.14	0.00	0.005
140.00	-4.57	-0.45	0.00	-2.70	0.00	2.70	2433.74	574.90	1312.80	1370.38	2.20	-0.14	0.00	0.004
145.00	-3.97	-0.44	0.00	-0.45	0.00	0.45	2325.77	549.40	1198.90	1250.71	2.34	-0.14	0.00	0.002
146.00	-0.30	0.00	0.00	-0.01	0.00	0.01	2304.18	544.29	1176.75	1227.43	2.37	-0.14	0.00	0.000
149.00	0.00	0.00	0.00	0.00	0.00	0.00	2239.40	528.99	1111.51	1158.91	2.46	-0.14	0.00	0.000

## Wind Loading - Shaft

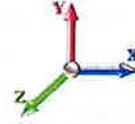
<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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**Load Case:** 1.0D + 1.0W 60 mph Wind

**Dead Load Factor** 1.00  
**Wind Load Factor** 1.00



**Iterations** 20

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	6.501	7.15	279.63	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	6.501	7.15	273.99	0.730	0.000	5.00	25.322	18.49	132.2	0.0	1403.6
10.00		1.00	0.85	6.501	7.15	268.34	0.730	0.000	5.00	24.805	18.11	129.5	0.0	1374.8
15.00		1.00	0.86	6.581	7.24	264.31	0.730	0.000	5.00	24.289	17.73	128.4	0.0	1345.9
20.00		1.00	0.91	6.969	7.67	266.14	0.730	0.000	5.00	23.772	17.35	133.0	0.0	1317.1
25.00		1.00	0.95	7.289	8.02	266.21	0.730	0.000	5.00	23.256	16.98	136.1	0.0	1288.2
30.00		1.00	0.99	7.564	8.32	265.09	0.730	0.000	5.00	22.739	16.60	138.1	0.0	1259.4
35.00		1.00	1.02	7.806	8.59	263.11	0.730	0.000	5.00	22.222	16.22	139.3	0.0	1230.5
40.00		1.00	1.05	8.023	8.83	260.46	0.730	0.000	5.00	21.706	15.85	139.8	0.0	1201.7
45.00		1.00	1.07	8.220	9.04	257.29	0.730	0.000	5.00	21.189	15.47	139.9	0.0	1172.8
47.00	Bot - Section 2	1.00	1.08	8.294	9.12	255.89	0.730	0.000	2.00	8.331	6.08	55.5	0.0	461.1
50.00		1.00	1.10	8.400	9.24	253.68	0.730	0.000	3.00	12.564	9.17	84.7	0.0	1378.3
53.25	Top - Section 1	1.00	1.11	8.510	9.36	251.13	0.730	0.000	3.25	13.401	9.78	91.6	0.0	1469.7
55.00		1.00	1.12	8.567	9.42	254.35	0.730	0.000	1.75	7.125	5.20	49.0	0.0	394.3
60.00		1.00	1.14	8.723	9.60	250.11	0.730	0.000	5.00	20.010	14.61	140.2	0.0	1107.0
65.00		1.00	1.16	8.869	9.76	245.59	0.730	0.000	5.00	19.493	14.23	138.8	0.0	1078.1
70.00		1.00	1.18	9.006	9.91	240.84	0.730	0.000	5.00	18.977	13.85	137.2	0.0	1049.3
75.00		1.00	1.19	9.136	10.05	235.88	0.730	0.000	5.00	18.460	13.48	135.4	0.0	1020.4
80.00		1.00	1.21	9.259	10.19	230.73	0.730	0.000	5.00	17.943	13.10	133.4	0.0	991.6
85.00		1.00	1.23	9.377	10.31	225.40	0.730	0.000	5.00	17.427	12.72	131.2	0.0	962.8
90.00		1.00	1.24	9.489	10.44	219.93	0.730	0.000	5.00	16.910	12.34	128.9	0.0	933.9
95.00		1.00	1.25	9.597	10.56	214.31	0.730	0.000	5.00	16.394	11.97	126.3	0.0	905.1
95.75	Bot - Section 3	1.00	1.26	9.612	10.57	213.45	0.730	0.000	0.75	2.414	1.76	18.6	0.0	133.3
100.00		1.00	1.27	9.700	10.67	208.56	0.730	0.000	4.25	13.732	10.02	107.0	0.0	1393.7
100.50	Top - Section 2	1.00	1.27	9.710	10.68	207.98	0.730	0.000	0.50	1.591	1.16	12.4	0.0	161.4
105.00		1.00	1.28	9.799	10.78	206.95	0.730	0.000	4.50	14.087	10.28	110.8	0.0	667.4
110.00		1.00	1.29	9.894	10.88	200.99	0.730	0.000	5.00	15.161	11.07	120.5	0.0	718.0
115.00		1.00	1.31	9.987	10.99	194.92	0.730	0.000	5.00	14.645	10.69	117.4	0.0	693.3
120.00		1.00	1.32	10.076	11.08	188.76	0.730	0.000	5.00	14.128	10.31	114.3	0.0	668.6
125.00		1.00	1.33	10.162	11.18	182.50	0.730	0.000	5.00	13.611	9.94	111.1	0.0	643.9
126.00	Appurtenance(s)	1.00	1.33	10.179	11.20	181.24	0.730	0.000	1.00	2.660	1.94	21.7	0.0	125.8
128.00	Appurtenance(s)	1.00	1.34	10.212	11.23	178.71	0.730	0.000	2.00	5.259	3.84	43.1	0.0	248.6
130.00		1.00	1.34	10.246	11.27	176.16	0.730	0.000	2.00	5.176	3.78	42.6	0.0	244.7
135.00		1.00	1.35	10.327	11.36	169.74	0.730	0.000	5.00	12.578	9.18	104.3	0.0	594.4
136.00	Appurtenance(s)	1.00	1.35	10.343	11.38	168.45	0.730	0.000	1.00	2.454	1.79	20.4	0.0	115.9
140.00		1.00	1.36	10.405	11.45	163.24	0.730	0.000	4.00	9.608	7.01	80.3	0.0	453.8
145.00		1.00	1.37	10.482	11.53	156.67	0.730	0.000	5.00	11.545	8.43	97.2	0.0	545.0
146.00	Appurtenance(s)	1.00	1.37	10.497	11.55	155.35	0.730	0.000	1.00	2.247	1.64	18.9	0.0	106.0
149.00		1.00	1.38	10.542	11.60	151.37	0.730	0.000	3.00	6.617	4.83	56.0	0.0	312.1
<b>Totals:</b>									<b>149.00</b>			<b>3,765.2</b>		<b>31,171.7</b>

## Discrete Appurtenance Forces

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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**Load Case:** 1.0D + 1.0W 60 mph Wind

**Dead Load Factor** 1.00  
**Wind Load Factor** 1.00



**Iterations** 20

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	146.00	RFS	3	10.497	11.547	0.65	0.90	39.35	368.40	0.000	0.000	454.33	0.00	0.00
2	146.00	Ericsson KRY 112 489/4	6	10.497	11.547	0.75	0.90	2.51	92.40	0.000	0.000	28.98	0.00	0.00
3	146.00	Low Profile Platform w/	1	10.497	11.547	1.00	1.00	34.54	2289.00	0.000	0.000	398.83	0.00	0.00
4	146.00	Ericsson AIR6419 B41	3	10.497	11.547	0.66	0.90	12.46	249.00	0.000	0.000	143.84	0.00	0.00
5	146.00	Kathrein 782 10662	3	10.497	11.547	0.71	0.90	0.32	5.40	0.000	0.000	3.69	0.00	0.00
6	146.00	Commscope VV-65A-R1	3	10.497	11.547	0.66	0.90	11.67	71.43	0.000	0.000	134.73	0.00	0.00
7	146.00	Ericsson 4449 B71 + B85	3	10.497	11.547	0.81	0.90	4.74	225.00	0.000	0.000	54.71	0.00	0.00
8	146.00	Ericsson 4460 B25 + B66	3	10.497	11.547	0.77	0.90	4.91	312.00	0.000	0.000	56.71	0.00	0.00
9	146.00	Empty Pipe Mounts	3	10.497	11.547	0.90	0.90	5.18	180.00	0.000	0.000	59.86	0.00	0.00
10	136.00	Low Profile Platform w/	1	10.343	11.377	1.00	1.00	43.29	1500.00	0.000	0.000	492.50	0.00	0.00
11	136.00	DC2-48-60-18-8F	1	10.343	11.377	0.63	0.80	0.58	14.50	0.000	0.000	6.61	0.00	0.00
12	136.00	RRUS-11	6	10.343	11.377	0.55	0.80	12.55	306.00	0.000	0.000	142.81	0.00	0.00
13	136.00	LGP21903	6	10.343	11.377	0.59	0.80	0.82	33.00	0.000	0.000	9.29	0.00	0.00
14	136.00	AM-X-CD-17-65-00T-RET	3	10.343	11.377	0.63	0.80	12.13	178.50	0.000	0.000	138.05	0.00	0.00
15	136.00	7770	6	10.343	11.377	0.62	0.80	20.36	210.00	0.000	0.000	231.69	0.00	0.00
16	136.00	LGP21401	6	10.343	11.377	0.53	0.80	3.33	84.60	0.000	0.000	37.84	0.00	0.00
17	128.00	Low Profile Platform w/	1	10.212	11.234	1.00	1.00	35.03	1863.50	0.000	0.000	393.52	0.00	0.00
18	128.00	BXA-70063/6CF __ 2°	3	10.212	11.234	0.60	0.80	13.63	51.00	0.000	0.000	153.07	0.00	0.00
19	126.00	B2/B66A	3	10.179	11.197	0.66	0.80	3.74	253.20	0.000	0.000	41.93	0.00	0.00
20	126.00	MX06FRO660-03	6	10.179	11.197	0.70	0.80	41.22	360.00	0.000	0.000	461.50	0.00	0.00
21	126.00	MT6407-77A	3	10.179	11.197	0.56	0.80	7.90	261.30	0.000	0.000	88.41	0.00	0.00
22	126.00	Kaelus BSF0020F3V1-1	2	10.212	11.234	1.00	1.00	1.92	35.20	0.000	2.000	21.57	0.00	43.14
23	126.00	B5/B13	3	10.179	11.197	0.66	0.80	3.74	210.90	0.000	0.000	41.93	0.00	0.00
24	126.00	Raycap	1	10.179	11.197	0.66	0.80	1.67	21.00	0.000	0.000	18.66	0.00	0.00
<b>Totals:</b>									<b>9,175.33</b>			<b>3,615.08</b>		

## Total Applied Force Summary

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	Page: 32
	<b>Struct Class:</b> II	



**Load Case:** 1.0D + 1.0W 60 mph Wind

**Dead Load Factor** 1.00  
**Wind Load Factor** 1.00



**Iterations** 20

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		132.18	1623.28	0.00	0.00
10.00		129.49	1594.43	0.00	0.00
15.00		128.36	1565.59	0.00	0.00
20.00		133.03	1536.74	0.00	0.00
25.00		136.12	1507.90	0.00	0.00
30.00		138.12	1479.05	0.00	0.00
35.00		139.30	1450.20	0.00	0.00
40.00		139.84	1421.36	0.00	0.00
45.00		139.86	1392.51	0.00	0.00
47.00		55.48	548.93	0.00	0.00
50.00		84.75	1510.08	0.00	0.00
53.25		91.58	1612.49	0.00	0.00
55.00		49.02	471.14	0.00	0.00
60.00		140.16	1326.65	0.00	0.00
65.00		138.82	1297.80	0.00	0.00
70.00		137.24	1268.96	0.00	0.00
75.00		135.43	1240.11	0.00	0.00
80.00		133.41	1211.27	0.00	0.00
85.00		131.22	1182.42	0.00	0.00
90.00		128.85	1153.57	0.00	0.00
95.00		126.33	1124.73	0.00	0.00
95.75		18.64	166.22	0.00	0.00
100.00		106.96	1580.46	0.00	0.00
100.50		12.41	183.39	0.00	0.00
105.00		110.84	865.08	0.00	0.00
110.00		120.46	937.71	0.00	0.00
115.00		117.44	912.99	0.00	0.00
120.00		114.31	888.26	0.00	0.00
125.00		111.07	863.54	0.00	0.00
126.00	(18) attachments	695.75	1311.34	0.00	43.14
128.00	(4) attachments	589.71	2251.01	0.00	0.00
130.00		42.58	307.36	0.00	0.00
135.00		104.30	751.09	0.00	0.00
136.00	(29) attachments	1079.18	2473.85	0.00	0.00
140.00		80.28	525.19	0.00	0.00
145.00		97.18	634.24	0.00	0.00
146.00	(28) attachments	1354.63	3916.51	0.00	0.00
149.00		56.01	316.09	0.00	0.00
	<b>Totals:</b>	<b>7,380.30</b>	<b>46,403.55</b>	<b>0.00</b>	<b>43.14</b>

## Linear Appurtenance Segment Forces (Factored)

**Structure:** CT13614-A  
**Site Name:** Knowlton  
**Height:** 149.00 (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

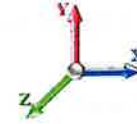
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**Load Case:** 1.0D + 1.0W 60 mph Wind

**Dead Load Factor** 1.00  
**Wind Load Factor** 1.00



**Iterations** 20

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	6.501	0.00	1.37
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	6.501	0.00	5.20
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	6.501	0.00	1.37
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	6.501	0.00	5.20
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	6.581	0.00	1.37
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	6.581	0.00	5.20
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	6.969	0.00	1.37
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	6.969	0.00	5.20
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	7.289	0.00	1.37
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	7.289	0.00	5.20
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	7.564	0.00	1.37
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	7.564	0.00	5.20
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	7.806	0.00	1.37
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	7.806	0.00	5.20
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	8.023	0.00	1.37
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	8.023	0.00	5.20
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	8.220	0.00	1.37
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	8.220	0.00	5.20
47.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	8.294	0.00	0.55
47.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	8.294	0.00	2.08
50.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.020	0.000	8.400	0.00	0.82
50.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.020	0.000	8.400	0.00	3.12
53.25	Safety Cable	Yes	3.25	0.000	0.38	0.10	0.00	0.021	0.000	8.510	0.00	0.89
53.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.17	0.00	0.021	0.000	8.510	0.00	3.38
55.00	Safety Cable	Yes	1.75	0.000	0.38	0.06	0.00	0.021	0.000	8.567	0.00	0.48
55.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.09	0.00	0.021	0.000	8.567	0.00	1.82
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	8.723	0.00	1.37
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	8.723	0.00	5.20
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	8.869	0.00	1.37
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	8.869	0.00	5.20
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	9.006	0.00	1.37
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	9.006	0.00	5.20
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	9.136	0.00	1.37
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	9.136	0.00	5.20
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	9.259	0.00	1.37
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	9.259	0.00	5.20
85.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	9.377	0.00	1.37
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	9.377	0.00	5.20
90.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	9.489	0.00	1.37
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	9.489	0.00	5.20
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	9.597	0.00	1.37
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	9.597	0.00	5.20
95.75	Safety Cable	Yes	0.75	0.000	0.38	0.02	0.00	0.026	0.000	9.612	0.00	0.20
95.75	Step bolts (ladder)	Yes	0.75	0.000	0.63	0.04	0.00	0.026	0.000	9.612	0.00	0.78
100.00	Safety Cable	Yes	4.25	0.000	0.38	0.13	0.00	0.027	0.000	9.700	0.00	1.16
100.00	Step bolts (ladder)	Yes	4.25	0.000	0.63	0.22	0.00	0.027	0.000	9.700	0.00	4.42
100.50	Safety Cable	Yes	0.50	0.000	0.38	0.02	0.00	0.027	0.000	9.710	0.00	0.14

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	Page: 34
	<b>Struct Class:</b> II	



**Load Case:** 1.0D + 1.0W 60 mph Wind

**Dead Load Factor** 1.00  
**Wind Load Factor** 1.00



**Iterations** 20

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
100.50	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.027	0.000	9.710	0.00	0.52
105.00	Safety Cable	Yes	4.50	0.000	0.38	0.14	0.00	0.027	0.000	9.799	0.00	1.23
105.00	Step bolts (ladder)	Yes	4.50	0.000	0.63	0.24	0.00	0.027	0.000	9.799	0.00	4.68
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	9.894	0.00	1.37
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	9.894	0.00	5.20
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	9.987	0.00	1.37
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	9.987	0.00	5.20
120.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	10.076	0.00	1.37
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	10.076	0.00	5.20
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	10.162	0.00	1.37
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	10.162	0.00	5.20
126.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.032	0.000	10.179	0.00	0.27
126.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.032	0.000	10.179	0.00	1.04
128.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.032	0.000	10.212	0.00	0.55
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.032	0.000	10.212	0.00	2.08
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	10.246	0.00	0.55
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.033	0.000	10.246	0.00	2.08
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	10.327	0.00	1.37
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	10.327	0.00	5.20
136.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.034	0.000	10.343	0.00	0.27
136.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.034	0.000	10.343	0.00	1.04
140.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.035	0.000	10.405	0.00	1.09
140.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.035	0.000	10.405	0.00	4.16
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	10.482	0.00	1.37
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	10.482	0.00	5.20
146.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.037	0.000	10.497	0.00	0.27
146.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.037	0.000	10.497	0.00	1.04
149.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.038	0.000	10.542	0.00	0.82
149.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.038	0.000	10.542	0.00	3.12
<b>Totals:</b>											<b>0.0</b>	<b>195.6</b>

## Calculated Forces

**Structure:** CT13614-A  
**Site Name:** Knowlton  
**Height:** 149.00 (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

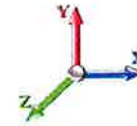
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**Load Case:** 1.0D + 1.0W 60 mph Wind

**Dead Load Factor** 1.00  
**Wind Load Factor** 1.00



**Iterations** 20

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-46.40	-7.39	0.00	-789.04	0.00	789.04	5580.79	1462.72	7284.32	6896.19	0.00	0.000	0.000	0.123
5.00	-44.77	-7.28	0.00	-752.09	0.00	752.09	5509.80	1432.96	6990.98	6668.96	0.02	-0.029	0.000	0.121
10.00	-43.18	-7.17	0.00	-715.69	0.00	715.69	5437.04	1403.21	6703.67	6443.24	0.06	-0.058	0.000	0.119
15.00	-41.61	-7.06	0.00	-679.82	0.00	679.82	5362.51	1373.45	6422.39	6219.15	0.14	-0.088	0.000	0.117
20.00	-40.07	-6.95	0.00	-644.50	0.00	644.50	5286.22	1343.70	6147.13	5996.84	0.25	-0.118	0.000	0.115
25.00	-38.56	-6.83	0.00	-609.76	0.00	609.76	5208.16	1313.95	5877.91	5776.42	0.39	-0.148	0.000	0.113
30.00	-37.07	-6.71	0.00	-575.61	0.00	575.61	5128.34	1284.19	5614.71	5558.05	0.56	-0.179	0.000	0.111
35.00	-35.62	-6.58	0.00	-542.07	0.00	542.07	5046.75	1254.44	5357.54	5341.85	0.76	-0.210	0.000	0.109
40.00	-34.20	-6.46	0.00	-509.16	0.00	509.16	4963.39	1224.68	5106.40	5127.96	1.00	-0.241	0.000	0.106
45.00	-32.80	-6.32	0.00	-476.88	0.00	476.88	4878.27	1194.93	4861.29	4916.50	1.27	-0.272	0.000	0.104
47.00	-32.25	-6.27	0.00	-464.23	0.00	464.23	4843.73	1183.03	4764.93	4832.64	1.39	-0.285	0.000	0.103
50.00	-30.74	-6.19	0.00	-445.41	0.00	445.41	4791.38	1165.17	4622.20	4707.63	1.57	-0.305	0.000	0.101
53.25	-29.13	-6.10	0.00	-425.29	0.00	425.29	4797.23	1167.16	4637.95	4721.46	1.79	-0.326	0.000	0.096
55.00	-28.65	-6.06	0.00	-414.61	0.00	414.61	4766.44	1156.74	4555.55	4648.93	1.91	-0.337	0.000	0.095
60.00	-27.32	-5.92	0.00	-384.32	0.00	384.32	4677.28	1126.99	4324.20	4443.55	2.28	-0.368	0.000	0.092
65.00	-26.02	-5.79	0.00	-354.70	0.00	354.70	4586.36	1097.23	4098.88	4241.06	2.68	-0.398	0.000	0.089
70.00	-24.75	-5.66	0.00	-325.74	0.00	325.74	4493.67	1067.48	3879.59	4041.58	3.11	-0.428	0.000	0.086
75.00	-23.51	-5.52	0.00	-297.46	0.00	297.46	4393.03	1037.72	3666.33	3839.84	3.58	-0.458	0.000	0.083
80.00	-22.30	-5.39	0.00	-269.83	0.00	269.83	4267.07	1007.97	3459.10	3621.71	4.07	-0.488	0.000	0.080
85.00	-21.11	-5.26	0.00	-242.87	0.00	242.87	4141.11	978.21	3257.89	3409.96	4.60	-0.517	0.000	0.076
90.00	-19.96	-5.13	0.00	-216.56	0.00	216.56	4015.15	948.46	3062.71	3204.59	5.16	-0.546	0.000	0.073
95.00	-18.83	-5.00	0.00	-190.90	0.00	190.90	3889.19	918.71	2873.56	3005.60	5.74	-0.574	0.000	0.068
95.75	-18.67	-4.98	0.00	-187.15	0.00	187.15	3870.29	914.24	2845.71	2976.30	5.83	-0.578	0.000	0.068
100.00	-17.09	-4.87	0.00	-165.96	0.00	165.96	3763.23	888.95	2690.44	2812.98	6.36	-0.601	0.000	0.064
100.50	-16.90	-4.85	0.00	-163.53	0.00	163.53	3276.58	776.38	2394.21	2500.28	6.42	-0.604	0.000	0.071
105.00	-16.04	-4.74	0.00	-141.68	0.00	141.68	3189.50	753.43	2254.74	2361.16	7.00	-0.627	0.000	0.065
110.00	-15.10	-4.62	0.00	-117.97	0.00	117.97	3081.54	727.92	2104.67	2203.22	7.68	-0.654	0.000	0.058
115.00	-14.19	-4.49	0.00	-94.89	0.00	94.89	2973.57	702.42	1959.78	2050.74	8.37	-0.677	0.000	0.051
120.00	-13.30	-4.37	0.00	-72.41	0.00	72.41	2865.60	676.91	1820.05	1903.74	9.09	-0.698	0.000	0.043
125.00	-12.43	-4.25	0.00	-50.54	0.00	50.54	2757.64	651.41	1685.48	1762.20	9.83	-0.715	0.000	0.033
126.00	-11.13	-3.54	0.00	-46.24	0.00	46.24	2736.04	646.31	1659.19	1734.55	9.99	-0.718	0.000	0.031
128.00	-8.89	-2.93	0.00	-39.16	0.00	39.16	2692.86	636.11	1607.23	1679.90	10.29	-0.724	0.000	0.027
130.00	-8.58	-2.88	0.00	-33.30	0.00	33.30	2649.67	625.91	1556.09	1626.12	10.59	-0.729	0.000	0.024
135.00	-7.83	-2.77	0.00	-18.90	0.00	18.90	2541.71	600.40	1431.86	1495.52	11.36	-0.738	0.000	0.016
136.00	-5.37	-1.66	0.00	-16.13	0.00	16.13	2520.11	595.30	1407.63	1470.06	11.51	-0.739	0.000	0.013
140.00	-4.85	-1.57	0.00	-9.50	0.00	9.50	2433.74	574.90	1312.80	1370.38	12.14	-0.743	0.000	0.009
145.00	-4.21	-1.47	0.00	-1.65	0.00	1.65	2325.77	549.40	1198.90	1250.71	12.92	-0.746	0.000	0.003
146.00	-0.32	-0.06	0.00	-0.18	0.00	0.18	2304.18	544.29	1176.75	1227.43	13.07	-0.746	0.000	0.000
149.00	0.00	-0.06	0.00	0.00	0.00	0.00	2239.40	528.99	1111.51	1158.91	13.54	-0.746	0.000	0.000

## Final Analysis Summary

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
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### 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 119 mph Wind	32.5	0.00	55.65	0.00	0.00	3486.61
0.9D + 1.0W 119 mph Wind	32.5	0.00	41.73	0.00	0.00	3458.50
1.2D + 1.0Di + 1.0Wi 50 mph Wind	9.3	0.00	83.44	0.00	0.00	989.95
1.2D + 1.0Ev + 1.0Eh	1.0	0.00	57.54	0.00	0.00	132.11
0.9D + 1.0Ev + 1.0Eh	1.0	0.00	43.55	0.00	0.00	131.83
1.0D + 1.0W 60 mph Wind	7.4	0.00	46.40	0.00	0.00	789.04

### 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 119 mph Wind	-55.65	-32.51	0.00	-3486.6	0.00	-3486.6	5580.79	1462.7	7284.32	6896.19	0.00	0.516
0.9D + 1.0W 119 mph Wind	-41.73	-32.49	0.00	-3458.5	0.00	-3458.5	5580.79	1462.7	7284.32	6896.19	0.00	0.509
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-83.44	-9.25	0.00	-989.95	0.00	-989.95	5580.79	1462.7	7284.32	6896.19	0.00	0.159
1.2D + 1.0Ev + 1.0Eh	-57.54	-1.01	0.00	-132.11	0.00	-132.11	5580.79	1462.7	7284.32	6896.19	0.00	0.029
0.9D + 1.0Ev + 1.0Eh	-43.55	-1.01	0.00	-131.83	0.00	-131.83	5580.79	1462.7	7284.32	6896.19	0.00	0.027
1.0D + 1.0W 60 mph Wind	-46.40	-7.39	0.00	-789.04	0.00	-789.04	5580.79	1462.7	7284.32	6896.19	0.00	0.123




## Base Plate Summary

<b>Structure:</b> CT13614-A	<b>Code:</b> TIA-222-H	7/7/2023
<b>Site Name:</b> Knowlton	<b>Exposure:</b> C	
<b>Height:</b> 149.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 1.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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Reactions	Base Plate	Anchor Bolts
Original Design	<b>Yield (ksi):</b> 60.00	<b>Bolt Circle:</b> 68.00
<b>Moment (kip-ft):</b> 3739.40	<b>Width (in):</b> 68.00	<b>Number Bolts:</b> 20.00
<b>Axial (kip):</b> 55.50	<b>Style:</b> Clipped	<b>Bolt Type:</b> 2.25" 18J
<b>Shear (kip):</b> 28.20	<b>Polygon Sides:</b> 4.00	<b>Bolt Diameter (in):</b> 2.25
Analysis (1.2D + 1.0W)	<b>Clip Length (in):</b> 15.00	<b>Yield (ksi):</b> 75.00
<b>Moment (kip-ft):</b> 3486.61	<b>Effective Len (in):</b> 9.47	<b>Ultimate (ksi):</b> 100.00
<b>Axial (kip):</b> 55.65	<b>Moment (kip-in):</b> 474.41	<b>Arrangement:</b> Clustered
<b>Shear (kip):</b> 32.51	<b>Allow Stress (ksi):</b> 81.00	<b>Cluster Dist (in):</b> 6.00
	<b>Applied Stress (ksi):</b> 33.21	<b>Start Angle (deg):</b> 45.00
	<b>Stress Ratio:</b> 0.41	<b>Compression</b>
		<b>Force (kip):</b> 125.84
		<b>Allowable (kip):</b> 268.39
		<b>Ratio:</b> 0.47
		<b>Tension</b>
		<b>Force (kip):</b> 120.27
		<b>Allowable (kip):</b> 243.75
		<b>Ratio:</b> 0.49

	<b>Monopole Mat Foundation Design</b>		<i>Date</i>	
			7/5/2023	
	<b>Customer Name:</b>	Verizon	<b>TIA Standard:</b>	TIA-222-H
	<b>Site Name:</b>		<b>Structure Height (Ft.):</b>	150
	<b>Site Number:</b>	CT13614-A	<b>Engineer Name:</b>	SBA Engineer
<b>Engr. Number:</b>		<b>Engineer Login ID:</b>		

**Foundation Info Obtained from:**

Drawings/Calculations

**Structure Type:**

Monopole

**Analysis or Design?**

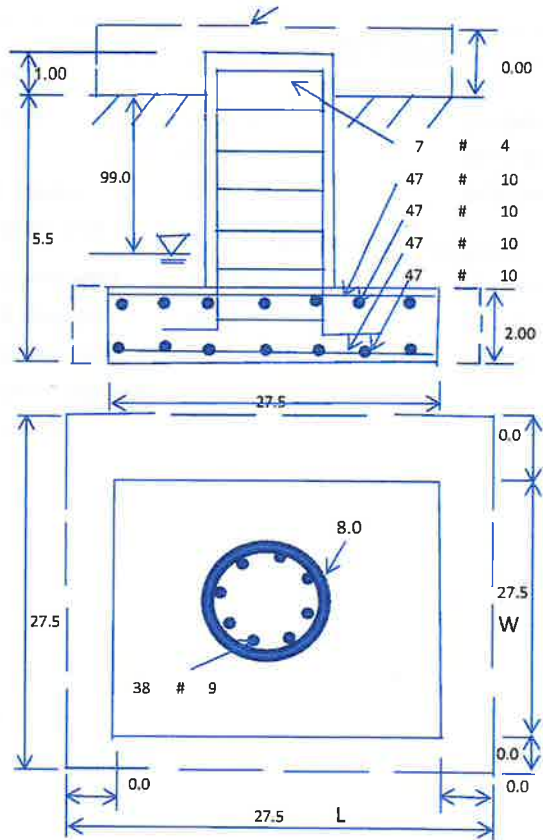
Analysis

**Base Reactions (Factored):**

Axial Load (Kips):	55.7	Shear Force (Kips):	32.5
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3486.6

**Foundation Geometries:**

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	8.0	Depth of Base BG (ft.):	5.5
Pier Height A. G. (ft.):	1.00	Thickness of Pad (ft):	2.00
Length of Pad (ft.):	27.5	Width of Pad (ft.):	27.5
Final Length of pad (ft)	27.5	Final width of pad (ft):	27.5



**Material Properties and Rebar Info:**

Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	9	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	38	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	10	
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):	47	Qty. of Rebar in Pad (W):	47	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	47	Qty. of Rebar in Pad (W):	47	

**Soil Design Parameters:**

Soil Unit Weight (pcf):	120.0	Soil Buoyant Weight:	57.6	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 Bottn of Pad: 25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No		Angle from Bottn 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.):	2470.95	Total Dry Soil Weight (Kips):	296.51
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	296.51	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	1738.69	Total Dry Concrete Weight (Kips):	260.80
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	260.80	Total Vertical Load on Base (Kips):	612.97

**Check Soil Capacities:**

Calculated Maxium Net Soil Pressure under the base (psf):	1900	<	Allowable Factored Soil Bearing (psf):	12000	0.16	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	7662.0	>	Design Factored Momont (kips-ft):	3698	0.48	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	2.07					OK!

**Check the capacities of Reinforcing Concrete:**

Strength reduction factor (Flexure and axial tension):	0.90	Strength reduction factor (Shear):	0.75	
Strength reduction factor (Axial compression):	0.65	Wind Load Factor on Concrete Design:	1.00	

Load/  
Capacity  
Ratio**(1) Concrete Pier:**

Vertical Steel Rebar Area (sq. in./each):	1.00	Tie / Stirrup Area (sq. in./each):	0.20	
Calculated Moment Capacity (Mn,Kips-Ft):	7455.7	> Design Factored Moment (Mu, Kips-Ft)	3632.9	0.49 OK!
Calculated Shear Capacity (Kips):	840.3	> Design Factored Shear (Kips):	32.5	0.04 OK!
Calculated Tension Capacity (Tn, Kips):	2052.0	> Design Factored Tension (Tu Kips):	0.0	0.00 OK!
Calculated Compression Capacity (Pn, Kips):	12730.0	> Design Factored Axial Load (Pu Kips):	55.7	0.00 OK!
Moment & Axial Strength Combination:	0.49	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):	637.9	> One-Way Factored Shear (L-D. Kips):	236.8	0.37 OK!
One-Way Design Shear Capacity (W-Direction, Kips):	637.9	> One-Way Factored Shear (W-D., Kips):	236.8	0.37 OK!
One-Way Design Shear Capacity (Corner-Corner, Kips):	637.8	> One-Way Factored Shear (C-C, Kips):	228.1	0.36 OK!
Lower Steel Pad Reinforcement Ratio (L-Direct. ):	0.0089	OK! Lower Steel Pad Reinf. Ratio (W-Direc	0.0089	
Lower Steel Pad Moment Capacity (L-Direction, Kips-ft):	5044.1	> Moment at Bottom ( L-Dir. K-Ft):	1283.2	0.25 OK!
Lower Steel Pad Moment Capacity (W-Direction, Kips-ft):	5044.1	> Moment at Bottom ( W-Dir. K-Ft):	1283.2	0.25 OK!
Lower Steel Pad Moment Capacity (Corner-Corner, K-ft):	6976.5	> Moment at Bottom ( C-C Dir. K-Ft):	1814.7	0.26 OK!
Upper Steel Pad Reinforcement Ratio (L-Direct. ):	0.0089	OK! Upper Steel Reinf. Ratio (W-Dir. ):	0.0089	
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	5044.1	> Moment at the top (L-Dir K-Ft):	545.0	0.11 OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	5044.1	> Moment at the top (W-Dir K-Ft):	545.0	0.11 OK!
Upper Steel Pad Moment Capacity (Corner-Corner, K-ft):	6976.5	> Moment at the top (C-C Dir. K-Ft):	512.2	0.07 OK!

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

Moment transferred by punching shear:	1394.6	k-ft.	Max. factored shear stress $v_{u,co}$ :	0.6	Psi
Max. factored shear stress $v_{u,AB}$ :	13.3	Psi	Factored shear Strength $\phi_v$ :	189.7	Psi
Max. factored shear stress $v_u$ :	13.3	Psi	Check Usage of Punching Shear Capacity:	0.07	OK!

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

Overturning moment to be transferred by flexure:	1046.0	k-ft.	Effective Width for resisting OT moment:	14.0	ft.
Calculated number of Rebar in Effective width:	24		Actual number of Rebar in Effective width:	24	
Steel Pad Moment Capacity ( L-Direc. Kips-ft):	2575.1	k-ft.	Check Usage of the Flexure Capacity:	0.41	OK!



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## Antenna Mount Analysis Report and PMI Requirements

### Mount ReAnalysis

SMART Tool Project #: 10206261  
Colliers Engineering & Design CT, P.C. Project #: 22777026 (Rev. 1)

July 10, 2023

#### Site Information

Site ID: 5000247929-VZW / ASHFORD WEST 2 CT  
Site Name: ASHFORD WEST 2 CT  
Carrier Name: Verizon Wireless  
Address: 90 Knowlton Hill Road  
Ashford, Connecticut 06278  
Windham County  
Latitude: 41.840778°  
Longitude: -72.207528°

#### Structure Information

Tower Type: 150-Ft Monopole  
Mount Type: 12.50-Ft Platform

FUZE ID # 17123746

#### Analysis Results

Platform: 31.9% Pass\*

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

#### \*\*\*Contractor PMI Requirements:

Included at the end of this MA report  
Available & Submitted via portal at <https://pmi.vzwsmart.com>  
For additional questions and support, please reach out to:  
[pmisupport@colliersengineering.com](mailto:pmisupport@colliersengineering.com)

Report Prepared By: Gianna Argentina



**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: 674832, dated May 26, 2021
Passing PMI Report	Colliers Engineering & Design, Project #: 20777637A dated December 5, 2023
PMI Photos	Photos dated November 23, 2022
Filter Add	Guidance provided by Verizon

**Analysis Criteria:**

Codes and Standards:	ANSI/TIA-222-H Connecticut State Building Code, Effective October 1, 2022
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), $V_{ULT}$ : 119 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.50 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, $K_e$ : 0.976
Seismic Parameters:	$S_s$ : 0.183 g $S_1$ : 0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Load, $L_v$ : 250 lbs. Maintenance Load, $L_m$ : 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
125.20	127.00	2	Kaelus	BSF0020F3V1-1	Added
		6	JMA Wireless	MX06FRO660-03	
		3	Samsung	MT6407-77A	Retained
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
		3	Amphenol Antel	BXA-70063-6CF-4	

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:
  - o Channel, Solid Round, Angle, Plate      ASTM A36 (Gr. 36)
  - o HSS (Rectangular)                              ASTM 500 (Gr. B-46)
  - o Pipe    ASTM A53 (Gr. B-35)
  - o Threaded Rod                                      F1554 (Gr. 36)
  - o 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:**

<b>Component</b>	<b>Utilization %</b>	<b>Pass/Fail</b>
Face Horizontal	11.0 %	Pass
Standoff Horizontal	13.9 %	Pass
Platform Crossmember	16.4 %	Pass
Mount Pipe	31.0 %	Pass
Corner Plate	31.9 %	Pass
Grating Support	19.2 %	Pass
Cross Arm Plate	30.9 %	Pass
MOD_Dual Mount Pipe	27.5 %	Pass
MOD_Support Rail	16.2 %	Pass
MOD_Corner Plate	22.6 %	Pass
MOD_Kicker	7.8 %	Pass
Mount Connection	8.8 %	Pass
<b>Structure Rating – (Controlling Utilization of all Components)</b>		<b>31.9%</b>

**BASELINE mount weight per SBA agreement: 2322.01 lbs**

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

**The weights listed above include 3 sector(s).**

**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	32.7	32.7	46.2	46.2
0.5	42.7	42.7	61.6	61.6
1	50.8	50.8	75.1	75.1

**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.

--

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. 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](mailto:pmisupport@colliersengineering.com)

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MDG #: 5000247929

SMART Project #: 10206261

Fuze Project ID: 17123746

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

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

#### **Base Requirements:**

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

#### **Photo Requirements:**

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

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

**Antenna & equipment placement and Geometry Confirmation:**

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

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

OR

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

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

**Issue:**

**Response:**

**Special Instruction Confirmation:**

- The contractor has read and acknowledges the above special instructions.
- All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.
- The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

OR

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

**Comments:**

--

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

Yes       No

**Contractor certifies no new damage created during the current installation:**

Yes       No

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

Safety Climb in Good Condition       Safety Climb Damaged

**Certifying Individual:**

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

Structure: 5000247929-VZW - ASHFORD WEST 2 CT

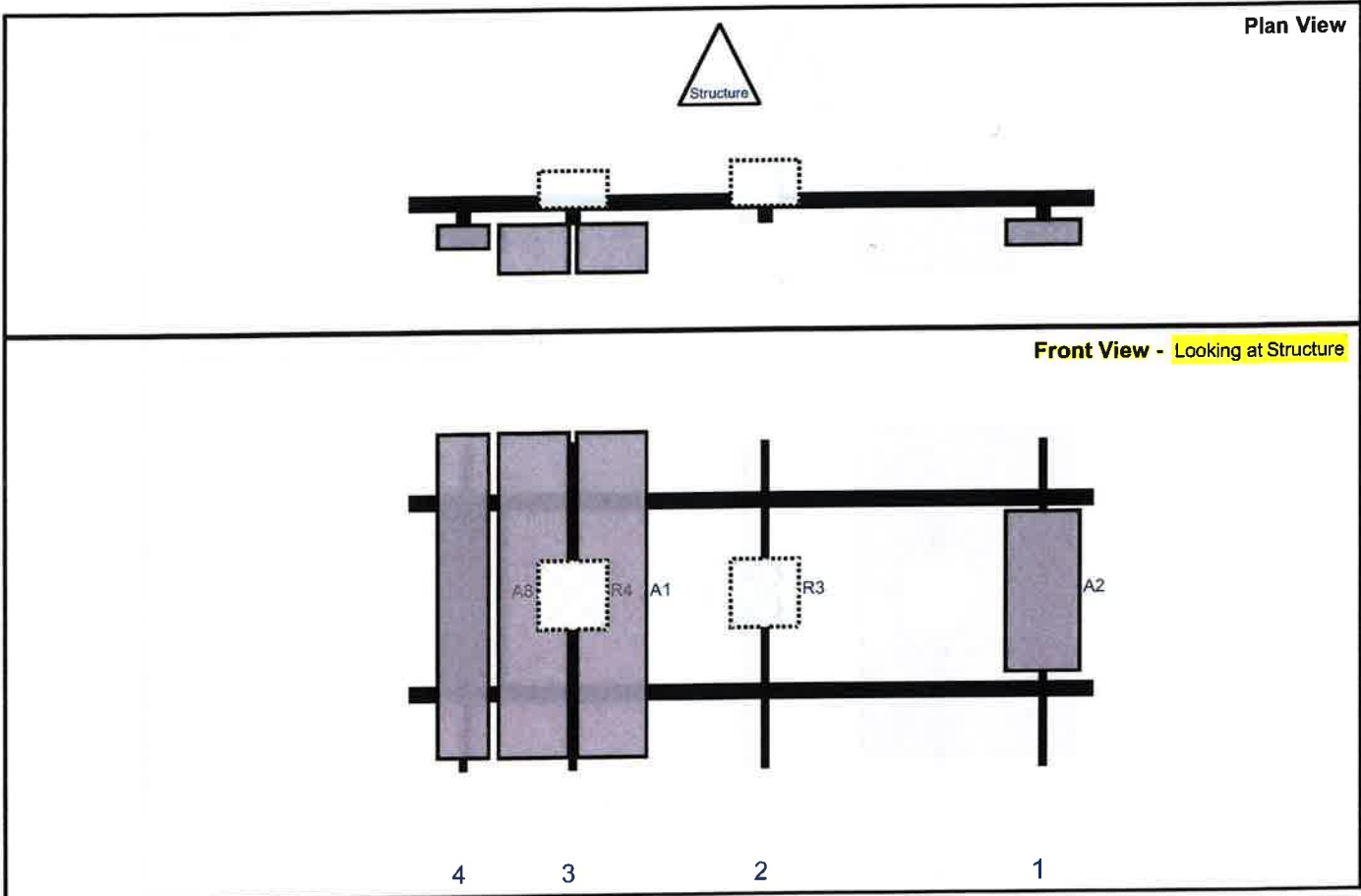
Sector: **A**  
 Structure Type: Monopole  
 Mount Elev: 125.20

10206261

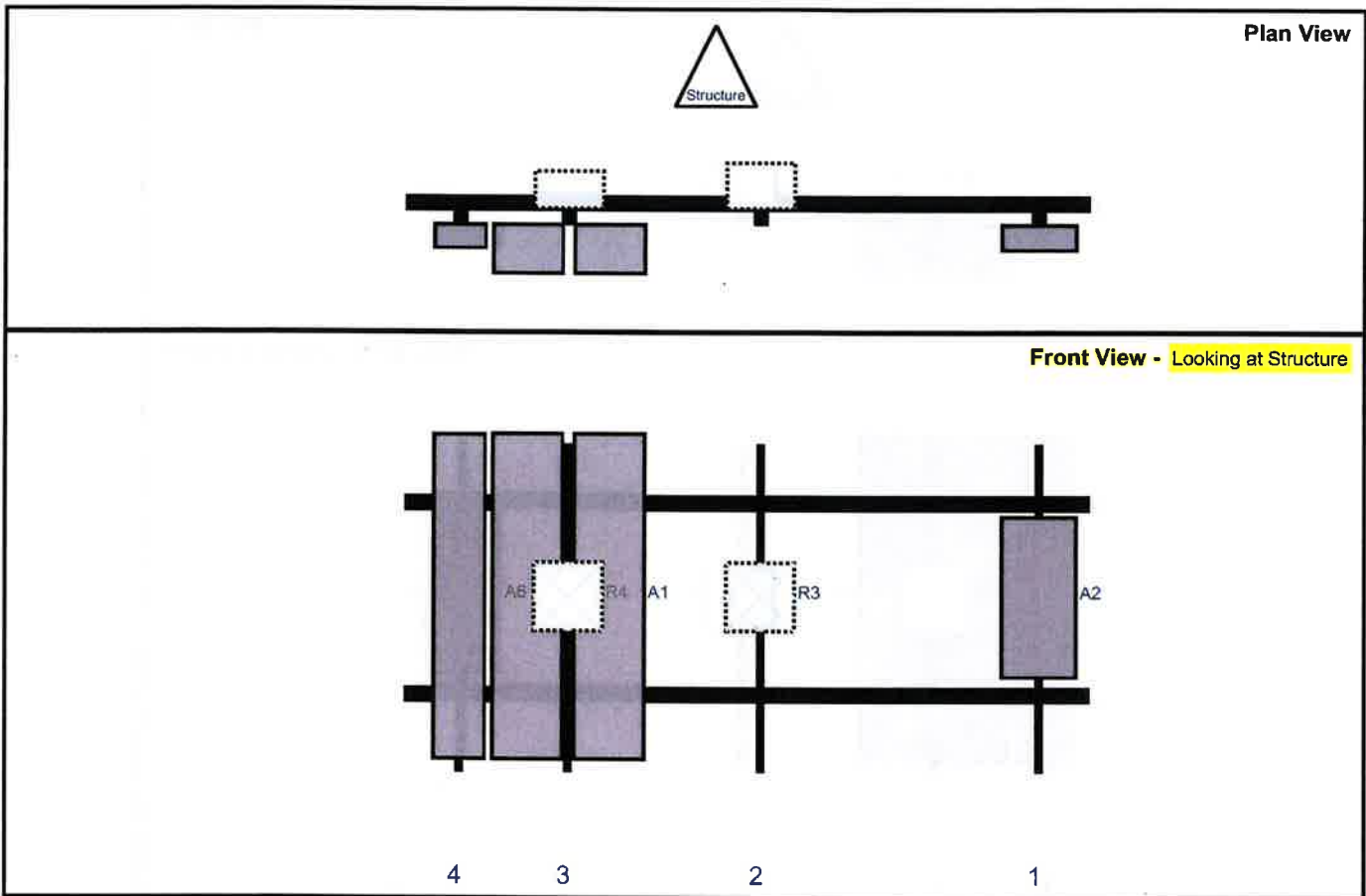
7/10/2023



Page: 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
A2	MT6407-77A	35.1	16.1	139	1	a	Front	33.48	0	Retained	11/29/2022
R3	B2/B66A RRH-BR049	15	15	78	2	a	Behind	33.48	0	Retained	11/29/2022
A1	MX06FRO660-03	71.3	15.4	36	3	a	Front	33.48	8.5	Retained	11/29/2022
A1	MX06FRO660-03	71.3	15.4	36	3	b	Front	33.48	-8.5	Retained	11/29/2022
R4	B5/B13 RRH-BR04C	15	15	36	3	a	Behind	33.48	0	Retained	11/29/2022
A6	BXA-70063-6CF-4	71	11.2	12	4	a	Front	33.48	0	Retained	11/29/2022
M100	RVZDC-6627-PF-48	28.9	15.7			Member				Retained	11/29/2022



Reff#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	MT6407-77A	35.1	16.1	139	1	a	Front	33.48	0	Retained	11/29/2022
R3	B2/B66A RRH-BR049	15	15	78	2	a	Behind	33.48	0	Retained	11/29/2022
A1	MX06FRO660-03	71.3	15.4	36	3	a	Front	33.48	9	Retained	11/29/2022
A1	MX06FRO660-03	71.3	15.4	36	3	b	Front	33.48	-9	Retained	11/29/2022
R4	B5/B13 RRH-BR04C	15	15	36	3	a	Behind	33.48	0	Retained	11/29/2022
A6	BXA-70063-6CF-4	71	11.2	12	4	a	Front	33.48	0	Retained	11/29/2022

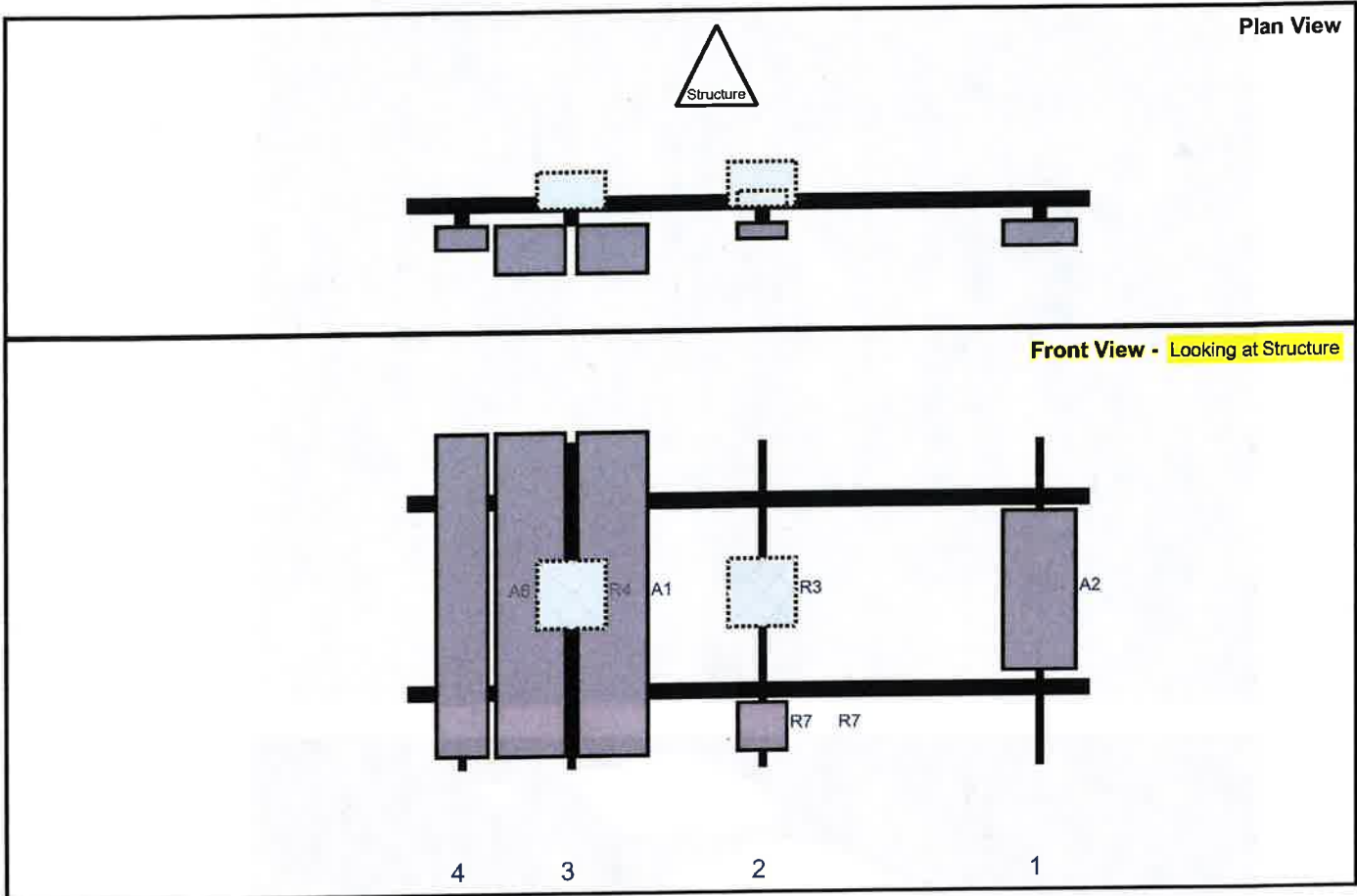
Sector: C  
 Structure Type: Monopole  
 Mount Elev: 125.20

10206261

7/10/2023

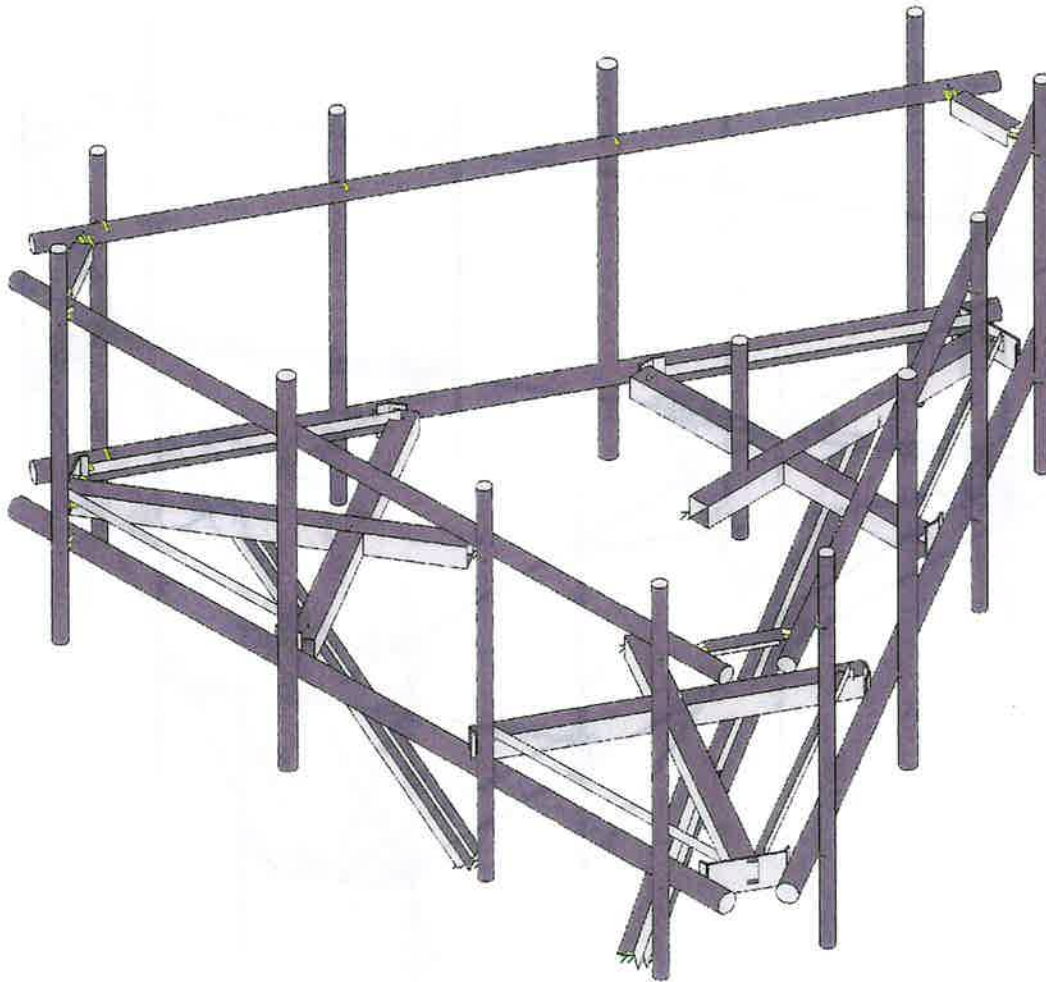
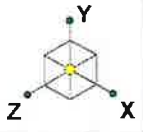


Page: 3



Ref#	Model	Height (in)	Width (in)	H Dist Fm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Fm T.	Ant H Off	Status	Validation
A2	MT6407-77A	35.1	16.1	139	1	a	Front	33.48	0	Retained	11/29/2022
R3	B2/B66A RRH-BR049	15	15	78	2	a	Behind	33.48	0	Retained	11/29/2022
R7	BSF0020F3V1-1	10.6	10.9	78	2	a	Behind	63	0	Added	
R7	BSF0020F3V1-1	10.6	10.9	78	2	b	Front	63	0	Added	
A1	MX06FRO660-03	71.3	15.4	36	3	a	Front	33.48	9	Retained	11/29/2022
A1	MX06FRO660-03	71.3	15.4	36	3	b	Front	33.48	-9	Retained	11/29/2022
R4	B5/B13 RRH-BR04C	15	15	36	3	a	Behind	33.48	0	Retained	11/29/2022
A6	BXA-70063-6CF-4	71	11.2	12	4	a	Front	33.48	0	Retained	11/29/2022





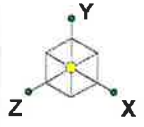
Envelope Only Solution


SK - 1

July 3, 2023 at 11:36 AM

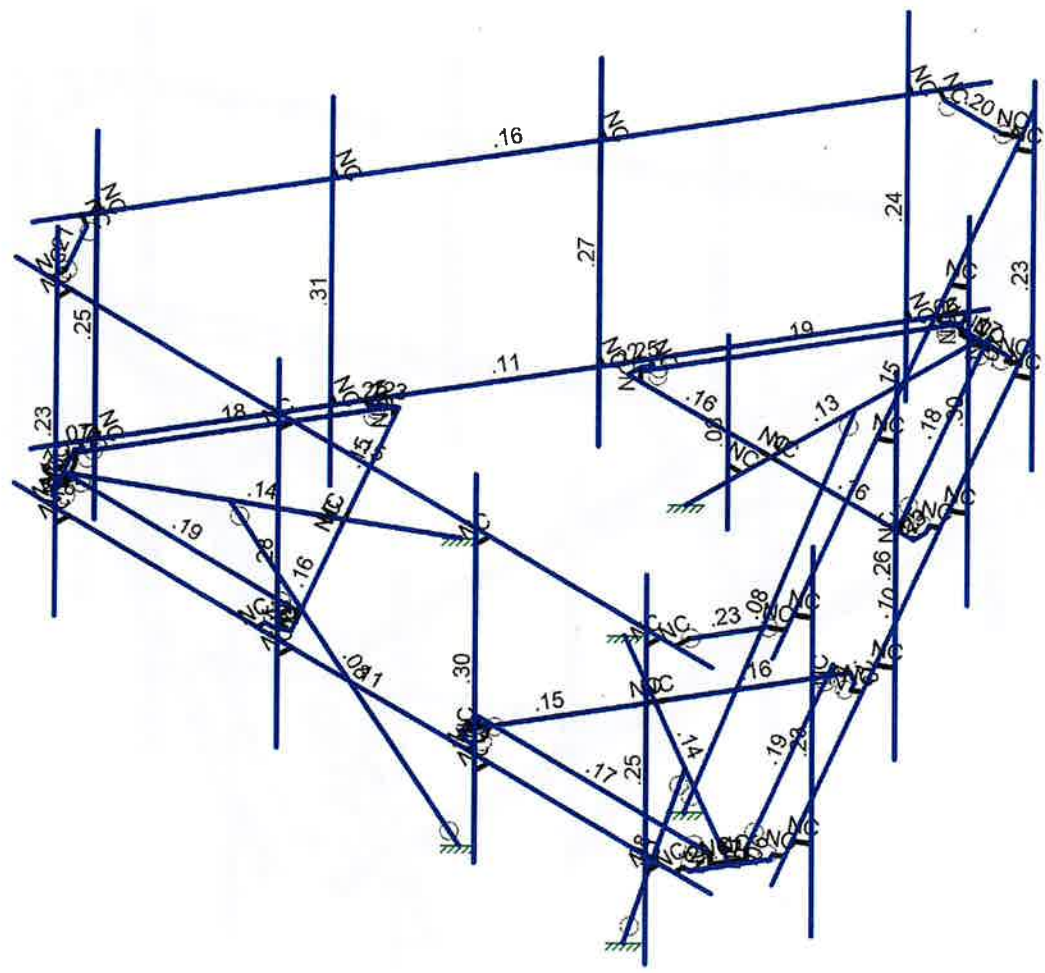
5000247929-VZW\_MT\_LO\_H.r3d





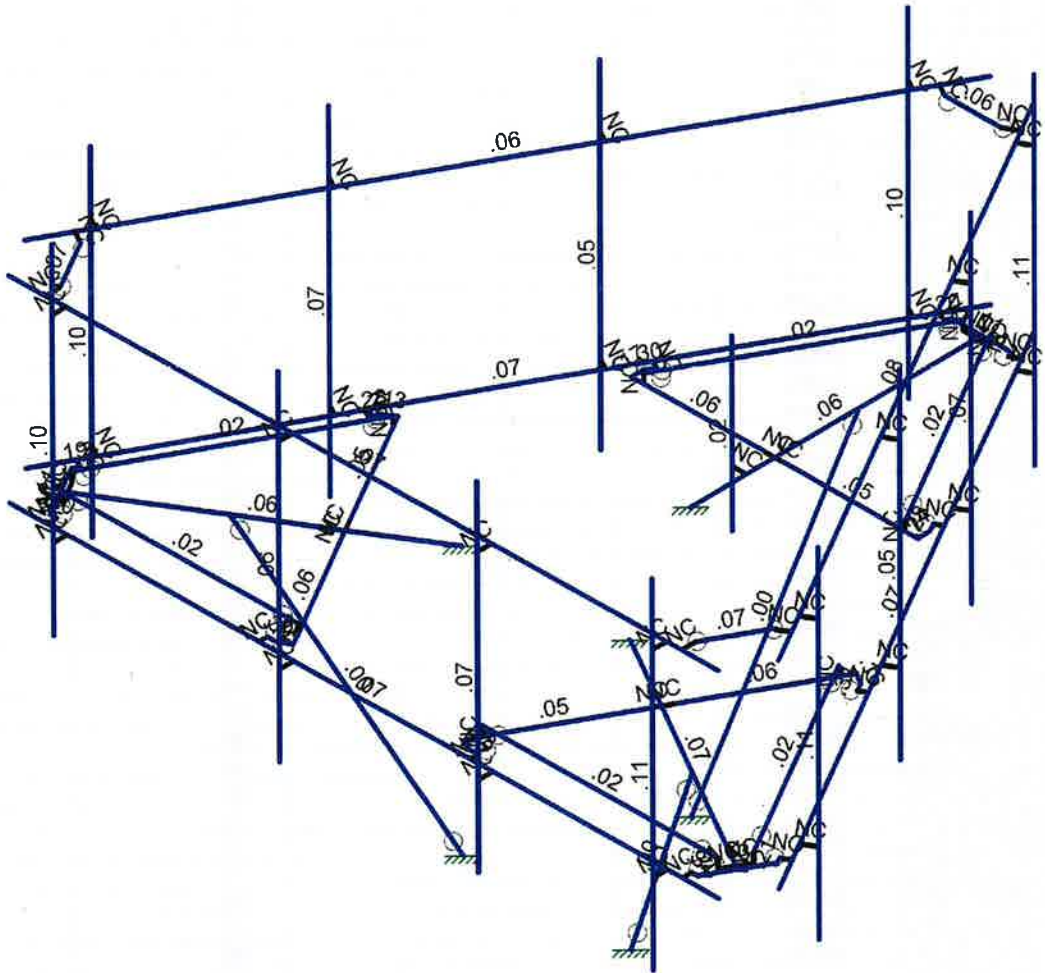
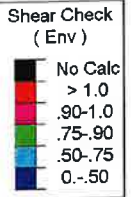
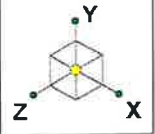
Code Check  
( Env )

- No Calc
- > 1.0
- .90-1.0
- .75-.90
- .50-.75
- 0-.50



Member Code Checks Displayed (Enveloped)  
Envelope Only Solution

		SK - 2
		July 3, 2023 at 11:36 AM
		5000247929-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)  
Envelope Only Solution

	SK - 3
	July 3, 2023 at 11:36 AM
	5000247929-VZW_MT_LO_H.r3d



Company  
Designer  
Job Number  
Model Name

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11:37 AM  
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**Basic Load Cases**

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					96		
2	Antenna Di	None					96		
3	Antenna Wo (0 Deg)	None					96		
4	Antenna Wo (30 Deg)	None					96		
5	Antenna Wo (60 Deg)	None					96		
6	Antenna Wo (90 Deg)	None					96		
7	Antenna Wo (120 Deg)	None					96		
8	Antenna Wo (150 Deg)	None					96		
9	Antenna Wo (180 Deg)	None					96		
10	Antenna Wo (210 Deg)	None					96		
11	Antenna Wo (240 Deg)	None					96		
12	Antenna Wo (270 Deg)	None					96		
13	Antenna Wo (300 Deg)	None					96		
14	Antenna Wo (330 Deg)	None					96		
15	Antenna Wi (0 Deg)	None					96		
16	Antenna Wi (30 Deg)	None					96		
17	Antenna Wi (60 Deg)	None					96		
18	Antenna Wi (90 Deg)	None					96		
19	Antenna Wi (120 Deg)	None					96		
20	Antenna Wi (150 Deg)	None					96		
21	Antenna Wi (180 Deg)	None					96		
22	Antenna Wi (210 Deg)	None					96		
23	Antenna Wi (240 Deg)	None					96		
24	Antenna Wi (270 Deg)	None					96		
25	Antenna Wi (300 Deg)	None					96		
26	Antenna Wi (330 Deg)	None					96		
27	Antenna Wm (0 Deg)	None					96		
28	Antenna Wm (30 Deg)	None					96		
29	Antenna Wm (60 Deg)	None					96		
30	Antenna Wm (90 Deg)	None					96		
31	Antenna Wm (120 Deg)	None					96		
32	Antenna Wm (150 Deg)	None					96		
33	Antenna Wm (180 Deg)	None					96		
34	Antenna Wm (210 Deg)	None					96		
35	Antenna Wm (240 Deg)	None					96		
36	Antenna Wm (270 Deg)	None					96		
37	Antenna Wm (300 Deg)	None					96		
38	Antenna Wm (330 Deg)	None					96		
39	Structure D	None							
40	Structure Di	None		-1				61	3
41	Structure Wo (0 Deg)	None						122	3
42	Structure Wo (30 Deg)	None						122	
43	Structure Wo (60 Deg)	None						122	
44	Structure Wo (90 Deg)	None						122	
45	Structure Wo (120 D...	None						122	
46	Structure Wo (150 D...	None						122	
47	Structure Wo (180 D...	None						122	
48	Structure Wo (210 D...	None						122	
49	Structure Wo (240 D...	None						122	
50	Structure Wo (270 D...	None						122	
51	Structure Wo (300 D...	None						122	
52	Structure Wo (330 D...	None						122	
53	Structure Wi (0 Deg)	None						122	



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 3, 2023  
 11:37 AM  
 Checked By: \_\_\_\_\_

**Basic Load Cases (Continued)**

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...)	Surface(P...
54 Structure Wi (30 Deg)	None						122	
55 Structure Wi (60 Deg)	None						122	
56 Structure Wi (90 Deg)	None						122	
57 Structure Wi (120 De..	None						122	
58 Structure Wi (150 De..	None						122	
59 Structure Wi (180 De..	None						122	
60 Structure Wi (210 De..	None						122	
61 Structure Wi (240 De..	None						122	
62 Structure Wi (270 De..	None						122	
63 Structure Wi (300 De..	None						122	
64 Structure Wi (330 De..	None						122	
65 Structure Wm (0 Deg)	None						122	
66 Structure Wm (30 De..	None						122	
67 Structure Wm (60 De..	None						122	
68 Structure Wm (90 De..	None						122	
69 Structure Wm (120 D..	None						122	
70 Structure Wm (150 D..	None						122	
71 Structure Wm (180 D..	None						122	
72 Structure Wm (210 D..	None						122	
73 Structure Wm (240 D..	None						122	
74 Structure Wm (270 D..	None						122	
75 Structure Wm (300 D..	None						122	
76 Structure Wm (330 D..	None						122	
77 Lm1	None					1		
78 Lm2	None					1		
79 Lv1	None					1		
80 Lv2	None					1		
81 Antenna Ev	None					96		
82 Antenna Eh (0 Deg)	None					64		
83 Antenna Eh (90 Deg)	None					64		
84 Structure Ev	ELY							3
85 Structure Eh (0 Deg)	ELZ			-03				3
86 Structure Eh (90 Deg)	ELX	.03						3
87 BLC 39 Transient Are..	None						30	
88 BLC 40 Transient Are..	None						30	
89 BLC 84 Transient Are..	None							
90 BLC 85 Transient Are..	None						30	
91 BLC 86 Transient Are..	None						30	

**Load Combinations**

Description	Sol...	P...	SR...	BLC Fact...	BLC Fact...	BLC Fact...	BLC Fact...	BLC Fact...	BLC Fact...	BLC Fact...	BLC Fact...	BLC Fact...	BLC Fact...	BLC Fact...	BLC Fact...
1 1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1				
2 1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1				
3 1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1				
4 1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1				
5 1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1				
6 1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1				
7 1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1				
8 1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1				
9 1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1				
10 1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1				
11 1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1				
12 1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1				
13 1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1
14 1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 3, 2023  
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 Checked By: \_\_\_\_\_

**Load Combinations (Continued)**

	Description	Sol.	P.	SR.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.		
15	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1				
16	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1				
17	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1				
18	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1				
19	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1				
20	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1				
21	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1				
22	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1				
23	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1				
24	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1				
25	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1						
26	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1						
27	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1						
28	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1						
29	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1						
30	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1						
31	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1						
32	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1						
33	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1						
34	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1						
35	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1						
36	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1						
37	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1						
38	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1						
39	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1						
40	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1						
41	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1						
42	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1						
43	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1						
44	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1						
45	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1						
46	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1						
47	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1						
48	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1						
49	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	79	1.5										
50	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	80	1.5										
51	1.4D	Yes	Y		1	1.4	39	1.4												
52	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX	
53	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5
54	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866
55	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1
56	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866
57	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5
58	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX	
59	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5
60	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866
61	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1
62	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866
63	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5
64	0.9D - 1.0..	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX	
65	0.9D - 1.0..	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5
66	0.9D - 1.0..	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866
67	0.9D - 1.0..	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1
68	0.9D - 1.0..	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866
69	0.9D - 1.0..	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5
70	0.9D - 1.0..	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX	
71	0.9D - 1.0..	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5



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**Load Combinations (Continued)**

	Description	Sol.	P...	SR	BLC Fact	BLC Fact	BLC Fact	BLC Fact	BLC Fact	BLC Fact	BLC Fact	BLC Fact	BLC Fact	BLC Fact	BLC Fact	BLC Fact	BLC Fact			
72	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866
73	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1
74	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866
75	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5

**Joint Coordinates and Temperatures**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	4.060523	0	
2	N2	-6.25	0	4.060523	0	
3	N3	0	0	-1.708333	0	
4	N5	-2.541667	0	-3.208333	0	
5	N6	2.315104	0.166667	-3.208333	0	
6	N7	-2.315104	0.166667	-3.208333	0	
7	N8	5.333333	0	4.060523	0	
8	N9	5.333333	0	4.310523	0	
9	N22	5.333333	-1.416667	4.310523	0	
10	N23	5.333333	4.583333	4.310523	0	
11	N24	0	0	-3.208333	0	
12	N27	0	0	-6.895833	0	
13	CP	0	0	0	0	
14	N29	2.315104	0	-3.208333	0	
15	N30	-2.315104	0	-3.208333	0	
16	N101	2.541667	0	-3.208333	0	
17	N102	-0.166667	0	-3.208333	0	
18	N103A	0.166667	0	-3.208333	0	
19	N104A	-2.541667	0	-3.427083	0	
20	N105	2.541667	0	-3.427083	0	
21	N131	2.458333	0	-3.571421	0	
22	N135	0.571615	0	-6.798857	0	
23	N144	-2.458333	0	-3.571421	0	
24	N148	-0.571615	0	-6.798857	0	
25	N86A	2.584629	0	-3.644338	0	
26	N86B	-2.584629	0	-3.644338	0	
27	N86C	-0.515625	0	-6.895833	0	
28	N87A	0.515625	0	-6.895833	0	
29	N86D	0.715429	0	-6.881888	0	
30	N86E	-0.715429	0	-6.881888	0	
31	N88A	0	0	-6.8125	0	
32	N87C	0.234238	0.166667	-6.8125	0	
33	N86G	0.234238	0	-6.8125	0	
34	N87B	-0.234238	0.166667	-6.8125	0	
35	N88C	-0.234238	0	-6.8125	0	
36	N109	-5.169162	0	4.060523	0	
37	N136	5.169162	0	4.060523	0	
38	N141A	5.333333	0.083333	4.310523	0	
39	N54	-1.47946	0	0.854167	0	
40	N55	-1.507665	0	3.805315	0	
41	N56	-3.93605	0.166667	-0.400772	0	
42	N57	-1.620946	0.166667	3.609106	0	
43	N58	-2.778498	0	1.604167	0	
44	N59	-5.971967	0	3.447917	0	
45	N61	-3.93605	0	-0.400772	0	
46	N62	-1.620946	0	3.609106	0	
47	N63	-4.049332	0	-0.596981	0	
48	N64	-2.695165	0	1.748504	0	



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**Joint Coordinates and Temperatures (Continued)**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
49	N65	-2.861832	0	1.459829	0	
50	N66	-1.697108	0	3.91469	0	
51	N67	-4.238775	0	-0.487606	0	
52	N68	-4.322108	0	-0.343269	0	
53	N69	-6.17379	0	2.904396	0	
54	N70	-1.863775	0	3.91469	0	
55	N71	-5.602175	0	3.894461	0	
56	N72	-4.448404	0	-0.416185	0	
57	N74	-5.714154	0	3.894461	0	
58	N75	-6.229779	0	3.001372	0	
59	N76	-6.317604	0	2.821364	0	
60	N77	-5.602175	0	4.060523	0	
61	N78	-5.899798	0	3.40625	0	
62	N79	-6.016917	0.166667	3.203394	0	
63	N80	-6.016917	0	3.203394	0	
64	N81	-5.782679	0.166667	3.609106	0	
65	N82	-5.782679	0	3.609106	0	
66	N83	1.47946	0	0.854167	0	
67	N84	4.049332	0	-0.596981	0	
68	N85	1.620946	0.166667	3.609106	0	
69	N86	3.93605	0.166667	-0.400772	0	
70	N87	2.778498	0	1.604167	0	
71	N88	5.971967	0	3.447917	0	
72	N90	1.620946	0	3.609106	0	
73	N91	3.93605	0	-0.400772	0	
74	N92	1.507665	0	3.805315	0	
75	N93	2.861832	0	1.459829	0	
76	N94	2.695165	0	1.748504	0	
77	N95	4.238775	0	-0.487606	0	
78	N96	1.697108	0	3.91469	0	
79	N97	1.863775	0	3.91469	0	
80	N98	5.602175	0	3.894461	0	
81	N99	4.322108	0	-0.343269	0	
82	N100	6.17379	0	2.904396	0	
83	N101A	1.863775	0	4.060523	0	
84	N102A	4.448404	0	-0.416186	0	
85	N103	6.229779	0	3.001372	0	
86	N104	5.714154	0	3.894461	0	
87	N105A	5.602175	0	4.060523	0	
88	N106	6.317604	0	2.821364	0	
89	N107	5.899798	0	3.40625	0	
90	N108	5.782679	0.166667	3.609106	0	
91	N109A	5.782679	0	3.609106	0	
92	N110	6.016917	0.166667	3.203394	0	
93	N111	6.016917	0	3.203394	0	
94	N94A	2.25	0	4.060523	0	
95	N95A	2.25	0	4.310523	0	
96	N96A	2.25	-1.416667	4.310523	0	
97	N97A	2.25	4.583333	4.310523	0	
98	N98A	0.25	0.083333	4.310523	0	
99	N99A	-1.25	0	4.060523	0	
100	N100A	-1.25	0	4.310523	0	
101	N101B	-1.25	-1.416667	4.310523	0	
102	N102B	-1.25	4.583333	4.310523	0	
103	N103B	-3.25	0.083333	4.310523	0	
104	N104B	-5.25	0	4.060523	0	
105	N105B	-5.25	0	4.310523	0	



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**Joint Coordinates and Temperatures (Continued)**

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
106	N106A	-5.25	-1.416667	4.310523	0	
107	N107A	-5.25	4.583333	4.310523	0	
108	N109B	-5.25	4.083333	4.310523	0	
109	N110A	-5.25	-5	4.310523	0	
110	N110B	-5.25	1.791667	4.310523	0	
111	N111A	0.391516	0	-7.44292	0	
112	N112	6.641516	0	3.382397	0	
113	N113	0.84985	0	-6.649064	0	
114	N114	1.066356	0	-6.774064	0	
115	N115	1.066356	-1.416667	-6.774064	0	
116	N116	1.066356	4.583333	-6.774064	0	
117	N118	1.066356	0.083333	-6.774064	0	
118	N129	6.141516	0	2.516372	0	
119	N130	6.358023	0	2.391372	0	
120	N131A	6.358023	-1.416667	2.391372	0	
121	N132	6.358023	4.583333	2.391372	0	
122	N133	6.358023	4.083333	2.391372	0	
123	N134	6.358023	-5	2.391372	0	
124	N135A	6.358023	1.791667	2.391372	0	
125	N136A	-6.641516	0	3.382397	0	
126	N137	-0.391516	0	-7.44292	0	
127	N138	-6.183183	0	2.588541	0	
128	N139	-6.399689	0	2.463541	0	
129	N140	-6.399689	-1.416667	2.463541	0	
130	N141	-6.399689	4.583333	2.463541	0	
131	N143	-6.399689	0.083333	2.463541	0	
132	N154	-0.891516	0	-6.576895	0	
133	N155	-1.108023	0	-6.701895	0	
134	N156	-1.108023	-1.416667	-6.701895	0	
135	N157	-1.108023	4.583333	-6.701895	0	
136	N158	-1.108023	4.083333	-6.701895	0	
137	N159	-1.108023	-5	-6.701895	0	
138	N160	-1.108023	1.791667	-6.701895	0	
139	N159A	0	0	-2.708333	0	
140	N160A	-0.266667	0	-2.708333	0	
141	N161	-0.266667	-1	-2.708333	0	
142	N162	-0.266667	2	-2.708333	0	
143	N164	-1.863775	0	4.060523	0	
144	N164A	-5.25	3.541667	4.310523	0	
145	N165	-5.25	0.041667	4.310523	0	
146	N166	-5.25	2.791667	4.310523	0	
147	N167	-5.25	0.791667	4.310523	0	
148	N168	-0.558333	0	4.060523	0	
149	N169	-1.891667	0	4.060523	0	
150	N170	6.25	3.5	4.060523	0	
151	N171	-6.25	3.5	4.060523	0	
152	N172	5.333333	3.5	4.060523	0	
153	N173	5.333333	3.5	4.310523	0	
154	N174	-0.571615	3.5	-6.798857	0	
155	N175	0.715429	3.5	-6.881888	0	
156	N176	-5.169162	3.5	4.060523	0	
157	N177	5.333333	3.583333	4.310523	0	
158	N178	-6.317604	3.5	2.821364	0	
159	N179	5.602175	3.5	4.060523	0	
160	N180	6.317604	3.5	2.821364	0	
161	N181	2.25	3.5	4.060523	0	
162	N182	2.25	3.5	4.310523	0	





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**Joint Coordinates and Temperatures (Continued)**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
163	N183	0.25	3.583333	4.310523	0	
164	N184	-1.25	3.5	4.060523	0	
165	N185	-1.25	3.5	4.310523	0	
166	N186	-3.25	3.583333	4.310523	0	
167	N187	-5.25	3.5	4.060523	0	
168	N188	-5.25	3.5	4.310523	0	
169	N189	0.391516	3.5	-7.44292	0	
170	N190	6.641516	3.5	3.382397	0	
171	N191	0.84985	3.5	-6.649064	0	
172	N192	1.066356	3.5	-6.774064	0	
173	N193	1.066356	3.583333	-6.774064	0	
174	N200	6.141516	3.5	2.516372	0	
175	N201	6.358023	3.5	2.391372	0	
176	N202	-6.641516	3.5	3.382397	0	
177	N203	-0.391516	3.5	-7.44292	0	
178	N204	-6.183183	3.5	2.588541	0	
179	N205	-6.399689	3.5	2.463541	0	
180	N206	-6.399689	3.583333	2.463541	0	
181	N213	-0.891516	3.5	-6.576895	0	
182	N214	-1.108023	3.5	-6.701895	0	
183	N216	-0.558333	3.5	4.060523	0	
184	N216A	-5.602175	3.5	4.060523	0	
185	N217	5.602175	3.5	3.810523	0	
186	N220	-5.602158	3.5	3.810523	0	
187	N222	0.498922	3.5	-6.756888	0	
188	N223	6.101089	3.5	2.94635	0	
189	N226	-0.715429	3.5	-6.881888	0	
190	N227	-6.101098	3.5	2.946364	0	
191	N228	-0.498931	3.5	-6.756873	0	
192	N224	0	-4.75	-1.708333	0	
193	N225	-1.47946	-4.75	0.854167	0	
194	N226A	1.47946	-4.75	0.854167	0	
195	N227A	0	0	-4.708333	0	
196	N230	-4.077536	0	2.354167	0	
197	N233	4.077536	0	2.354167	0	
198	N198	2.391516	0	-3.978819	0	
199	N199	2.608023	0	-4.103819	0	
200	N200A	2.608023	-1.416667	-4.103819	0	
201	N201A	2.608023	4.583333	-4.103819	0	
202	N202A	4.141516	0	-0.94773	0	
203	N203A	4.358023	0	-1.07273	0	
204	N204A	4.358023	-1.416667	-1.07273	0	
205	N205A	4.358023	4.583333	-1.07273	0	
206	N206A	2.391516	3.5	-3.978819	0	
207	N207	2.608023	3.5	-4.103819	0	
208	N208	4.141516	3.5	-0.94773	0	
209	N209	4.358023	3.5	-1.07273	0	
210	N210	-4.641516	0	-0.081704	0	
211	N211	-4.858023	0	-0.206704	0	
212	N212	-4.858023	-1.416667	-0.206704	0	
213	N213A	-4.858023	4.583333	-0.206704	0	
214	N214A	-2.891516	0	-3.112793	0	
215	N215	-3.108023	0	-3.237793	0	
216	N216B	-3.108023	-1.416667	-3.237793	0	
217	N217A	-3.108023	4.583333	-3.237793	0	
218	N218	-4.641516	3.5	-0.081704	0	
219	N219	-4.858023	3.5	-0.206704	0	



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**Joint Coordinates and Temperatures (Continued)**

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
220	N220A	-2.891516	3.5	-3.112793	0	
221	N221	-3.108023	3.5	-3.237793	0	

**Hot Rolled Steel Section Sets**

	Label	Shape	Type	Design List	Material	Design R...	A [in <sup>2</sup> ]	I <sub>yy</sub> [in <sup>4</sup> ]	I <sub>zz</sub> [in <sup>4</sup> ]	J [in <sup>4</sup> ]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	MOD_Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
3	Standoff Horizontal	HSS4X4X4	Beam	SquareT...	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
4	Corner Plate	PL3/8x6	Beam	BAR	A36 Gr.36	Typical	2.25	.026	6.75	.101
5	Platform Crossmemb..	HSS4X4X4	Beam	SquareT...	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
6	Grating Support	L2x2x2	Beam	Single An..	A36 Gr.36	Typical	.491	.189	.189	.003
7	MOD_Kicker	LL3x3x3x3	Beam	Single An..	A36 Gr.36	Typical	2.18	4.09	1.9	.027
8	MOD_Corner Plate	L3X3X4	Beam	Single An..	A36 Gr.36	Typical	1.44	1.23	1.23	.031
9	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
10	MOD_Dual Mount Pi...	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101

**Hot Rolled Steel Properties**

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

**Member Primary Data**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	LV	N2	N1			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross..	Beam	SquareTube	A500 Gr.B...	Typical
4	LM2	N8	N9			RIGID	None	None	RIGID	Typical
5	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
6	M43	N102	N5			Platform Cross..	Beam	SquareTube	A500 Gr.B...	Typical
7	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
8	M35A	N7	N30			RIGID	None	None	RIGID	Typical
9	M36A	N6	N29			RIGID	None	None	RIGID	Typical
10	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
11	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
12	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
13	M58	N102	N24			RIGID	None	None	RIGID	Typical
14	M59	N24	N103A			RIGID	None	None	RIGID	Typical
15	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
16	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
17	M79	N131	N86A			RIGID	None	None	RIGID	Typical
18	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
19	M83	N135	N86D			RIGID	None	None	RIGID	Typical
20	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
21	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M88	N144	N86B			RIGID	None	None	RIGID	Typical



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**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
23	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
24	M92	N148	N86E			RIGID	None	None	RIGID	Typical
25	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
26	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
27	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
28	M34	N54	N59			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
29	M35	N63	N65			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
30	M36	N64	N55			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
31	M37	N74	N75			Corner Plate	Beam	BAR	A36 Gr.36	Typical
32	M38	N57	N62		240	RIGID	None	None	RIGID	Typical
33	M39	N56	N61		240	RIGID	None	None	RIGID	Typical
34	M40	N79	N56			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
35	M41	N57	N81			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
36	M42	N81	N82		240	RIGID	None	None	RIGID	Typical
37	M43A	N64	N58			RIGID	None	None	RIGID	Typical
38	M44	N58	N65			RIGID	None	None	RIGID	Typical
39	M45	N63	N67			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
40	M46A	N67	N68			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
41	M47	N68	N72			RIGID	None	None	RIGID	Typical
42	M48	N75	N69			Corner Plate	Beam	BAR	A36 Gr.36	Typical
43	M49	N69	N76			RIGID	None	None	RIGID	Typical
44	M50A	N55	N66			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
45	M51C	N66	N70			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M53	N74	N71			Corner Plate	Beam	BAR	A36 Gr.36	Typical
47	M54	N71	N77			RIGID	None	None	RIGID	Typical
48	M55	N82	N78			RIGID	None	None	RIGID	Typical
49	M56	N78	N80			RIGID	None	None	RIGID	Typical
50	M57	N79	N80		240	RIGID	None	None	RIGID	Typical
51	M58A	N83	N88			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
52	M59A	N92	N94			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
53	M60	N93	N84			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
54	M61	N103	N104			Corner Plate	Beam	BAR	A36 Gr.36	Typical
55	M62	N86	N91		120	RIGID	None	None	RIGID	Typical
56	M63	N85	N90		120	RIGID	None	None	RIGID	Typical
57	M64	N108	N85			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
58	M65	N86	N110			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
59	M66	N110	N111		120	RIGID	None	None	RIGID	Typical
60	M67	N93	N87			RIGID	None	None	RIGID	Typical
61	M68	N87	N94			RIGID	None	None	RIGID	Typical
62	M69	N92	N96			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
63	M70	N96	N97			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
64	M71	N97	N101A			RIGID	None	None	RIGID	Typical
65	M72	N104	N98			Corner Plate	Beam	BAR	A36 Gr.36	Typical
66	M73	N98	N105A			RIGID	None	None	RIGID	Typical
67	M74	N84	N95			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
68	M75	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
69	M76A	N99	N102A			RIGID	None	None	RIGID	Typical
70	M77A	N103	N100			Corner Plate	Beam	BAR	A36 Gr.36	Typical
71	M78	N100	N106			RIGID	None	None	RIGID	Typical
72	M79A	N111	N107			RIGID	None	None	RIGID	Typical
73	M80A	N107	N109A			RIGID	None	None	RIGID	Typical
74	M81	N108	N109A		120	RIGID	None	None	RIGID	Typical
75	M75A	N94A	N95A			RIGID	None	None	RIGID	Typical
76	MP2A	N97A	N96A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
77	LM1	N99A	N100A			RIGID	None	None	RIGID	Typical
78	MP3A	N102B	N101B			MOD_Dual Mo..	Column	Pipe	A53 Gr.B	Typical
79	M79B	N104B	N105B			RIGID	None	None	RIGID	Typical



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**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
80	MP4A	N107A	N106A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
81	M81A	N111A	N112			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
82	M82	N113	N114			RIGID	None	None	RIGID	Typical
83	MP1C	N116	N115		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M88A	N129	N130			RIGID	None	None	RIGID	Typical
85	MP4C	N132	N131A		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M90	N136A	N137			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
87	M91A	N138	N139			RIGID	None	None	RIGID	Typical
88	MP1B	N141	N140		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	M97	N154	N155			RIGID	None	None	RIGID	Typical
90	MP4B	N157	N156		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	M99	N159A	N160A			RIGID	None	None	RIGID	Typical
92	M100	N162	N161			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
93	M101	N70	N164			RIGID	None	None	RIGID	Typical
94	M102	N171	N170			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
95	M103	N172	N173			RIGID	None	None	RIGID	Typical
96	M104	N181	N182			RIGID	None	None	RIGID	Typical
97	M105	N184	N185			RIGID	None	None	RIGID	Typical
98	M106	N187	N188			RIGID	None	None	RIGID	Typical
99	M107	N189	N190			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
100	M108	N191	N192			RIGID	None	None	RIGID	Typical
101	M111	N200	N201			RIGID	None	None	RIGID	Typical
102	M112	N202	N203			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
103	M113	N204	N205			RIGID	None	None	RIGID	Typical
104	M116	N213	N214			RIGID	None	None	RIGID	Typical
105	M117	N179	N217			RIGID	None	None	RIGID	Typical
106	M118	N216A	N220			RIGID	None	None	RIGID	Typical
107	M119	N175	N222			RIGID	None	None	RIGID	Typical
108	M120	N180	N223			RIGID	None	None	RIGID	Typical
109	M121	N178	N227			RIGID	None	None	RIGID	Typical
110	M122	N226	N228			RIGID	None	None	RIGID	Typical
111	M123	N220	N227		180	MOD Corner ...	Beam	Single Angle	A36 Gr.36	Typical
112	M124	N223	N217		180	MOD Corner ...	Beam	Single Angle	A36 Gr.36	Typical
113	M125	N228	N222		180	MOD Corner ...	Beam	Single Angle	A36 Gr.36	Typical
114	M126	N227A	N224			MOD Kicker	Beam	Single Angle	A36 Gr.36	Typical
115	M127	N230	N225			MOD Kicker	Beam	Single Angle	A36 Gr.36	Typical
116	M128	N233	N226A			MOD Kicker	Beam	Single Angle	A36 Gr.36	Typical
117	M117A	N198	N199			RIGID	None	None	RIGID	Typical
118	MP2C	N201A	N200A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
119	M119A	N202A	N203A			RIGID	None	None	RIGID	Typical
120	MP3C	N205A	N204A			MOD Dual Mo...	Column	Pipe	A53 Gr.B	Typical
121	M121A	N206A	N207			RIGID	None	None	RIGID	Typical
122	M122A	N208	N209			RIGID	None	None	RIGID	Typical
123	M123A	N210	N211			RIGID	None	None	RIGID	Typical
124	MP2B	N213A	N212			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
125	M125A	N214A	N215			RIGID	None	None	RIGID	Typical
126	MP3B	N217A	N216B			MOD Dual Mo...	Column	Pipe	A53 Gr.B	Typical
127	M127A	N218	N219			RIGID	None	None	RIGID	Typical
128	M128A	N220A	N221			RIGID	None	None	RIGID	Typical

**Member Advanced Data**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical Defl Rat...	Analysis ...	Inactive	Seismic...
1	LV						Yes	Default		None
2	M4						Yes			None
3	M10						Yes	Default		None



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**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
4	LM2						Yes	** NA **			None
5	MP1A						Yes	** NA **			None
6	M43						Yes	Default			None
7	M46						Yes	Default			None
8	M35A						Yes	** NA **			None
9	M36A						Yes	** NA **			None
10	M51B	OOOOOX	OOOOOX				Yes	Default			None
11	M52B	OOOOOX	OOOOOX				Yes	Default			None
12	M52						Yes	** NA **			None
13	M58						Yes	** NA **			None
14	M59						Yes	** NA **			None
15	M76						Yes	** NA **			None
16	M77						Yes	** NA **			None
17	M79		BenPIN				Yes	** NA **			None
18	M80						Yes	** NA **			None
19	M83		BenPIN				Yes	** NA **			None
20	M84						Yes	** NA **			None
21	M85						Yes	** NA **			None
22	M88		BenPIN				Yes	** NA **			None
23	M91						Yes	** NA **			None
24	M92		BenPIN				Yes	** NA **			None
25	M50						Yes	** NA **			None
26	M51						Yes	** NA **			None
27	M51A						Yes	** NA **			None
28	M34						Yes	** NA **			None
29	M35						Yes	Default			None
30	M36						Yes	Default			None
31	M37						Yes	Default			None
32	M38						Yes	** NA **			None
33	M39						Yes	** NA **			None
34	M40	OOOOOX	OOOOOX				Yes	Default			None
35	M41	OOOOOX	OOOOOX				Yes	Default			None
36	M42						Yes	** NA **			None
37	M43A						Yes	** NA **			None
38	M44						Yes	** NA **			None
39	M45						Yes	** NA **			None
40	M46A						Yes	** NA **			None
41	M47		BenPIN				Yes	** NA **			None
42	M48						Yes	** NA **			None
43	M49		BenPIN				Yes	** NA **			None
44	M50A						Yes	** NA **			None
45	M51C						Yes	** NA **			None
46	M53						Yes	** NA **			None
47	M54		BenPIN				Yes	** NA **			None
48	M55						Yes	** NA **			None
49	M56						Yes	** NA **			None
50	M57						Yes	** NA **			None
51	M58A						Yes	** NA **			None
52	M59A						Yes	Default			None
53	M60						Yes	Default			None
54	M61						Yes	Default			None
55	M62						Yes	** NA **			None
56	M63						Yes	** NA **			None
57	M64	OOOOOX	OOOOOX				Yes	Default			None
58	M65	OOOOOX	OOOOOX				Yes	Default			None
59	M66						Yes	** NA **			None
60	M67						Yes	** NA **			None



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**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
61	M68						Yes	** NA **			None
62	M69						Yes	** NA **			None
63	M70						Yes	** NA **			None
64	M71		BenPIN				Yes	** NA **			None
65	M72						Yes				None
66	M73		BenPIN				Yes	** NA **			None
67	M74						Yes	** NA **			None
68	M75						Yes	** NA **			None
69	M76A		BenPIN				Yes	** NA **			None
70	M77A						Yes				None
71	M78		BenPIN				Yes	** NA **			None
72	M79A						Yes	** NA **			None
73	M80A						Yes	** NA **			None
74	M81						Yes	** NA **			None
75	M75A						Yes	** NA **			None
76	MP2A						Yes	** NA **			None
77	LM1						Yes	** NA **			None
78	MP3A						Yes	** NA **			None
79	M79B						Yes	** NA **			None
80	MP4A						Yes	** NA **			None
81	M81A						Yes	Default			None
82	M82						Yes	** NA **			None
83	MP1C						Yes	** NA **			None
84	M88A						Yes	** NA **			None
85	MP4C						Yes	** NA **			None
86	M90						Yes	Default			None
87	M91A						Yes	** NA **			None
88	MP1B						Yes	** NA **			None
89	M97						Yes	** NA **			None
90	MP4B						Yes	** NA **			None
91	M99						Yes	** NA **			None
92	M100						Yes	** NA **			None
93	M101		BenPIN				Yes	** NA **			None
94	M102						Yes	Default			None
95	M103						Yes	** NA **			None
96	M104						Yes	** NA **			None
97	M105						Yes	** NA **			None
98	M106						Yes	** NA **			None
99	M107						Yes	Default			None
100	M108						Yes	** NA **			None
101	M111						Yes	** NA **			None
102	M112						Yes	Default			None
103	M113						Yes	** NA **			None
104	M116						Yes	** NA **			None
105	M117	OOOOOX					Yes	** NA **			None
106	M118	OOOOOX					Yes	** NA **			None
107	M119	OOOOOX					Yes	** NA **			None
108	M120	OOOOOX					Yes	** NA **			None
109	M121	OOOOOX					Yes	** NA **			None
110	M122	OOOOOX					Yes	** NA **			None
111	M123						Yes				None
112	M124						Yes				None
113	M125						Yes				None
114	M126	BenPIN	BenPIN				Yes				None
115	M127	BenPIN	BenPIN				Yes				None
116	M128	BenPIN	BenPIN				Yes				None
117	M117A						Yes	** NA **			None



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**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
118	MP2C						Yes	** NA **			None
119	M119A						Yes	** NA **			None
120	MP3C						Yes	** NA **			None
121	M121A						Yes	** NA **			None
122	M122A						Yes	** NA **			None
123	M123A						Yes	** NA **			None
124	MP2B						Yes	** NA **			None
125	M125A						Yes	** NA **			None
126	MP3B						Yes	** NA **			None
127	M127A						Yes	** NA **			None
128	M128A						Yes	** NA **			None

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	Y	-17.6	.25
2	MP3C	My	.009	.25
3	MP3C	Mz	0	.25
4	MP3A	Y	-23	.5
5	MP3A	Mv	-.016	.5
6	MP3A	Mz	-.021	.5
7	MP3A	Y	-23	5.08
8	MP3A	My	-.016	5.08
9	MP3A	Mz	-.021	5.08
10	MP3B	Y	-23	.5
11	MP3B	Mv	.027	.5
12	MP3B	Mz	.000338	.5
13	MP3B	Y	-23	5.08
14	MP3B	My	.027	5.08
15	MP3B	Mz	.000338	5.08
16	MP3C	Y	-23	.5
17	MP3C	Mv	-.021	.5
18	MP3C	Mz	.017	.5
19	MP3C	Y	-23	5.08
20	MP3C	My	-.021	5.08
21	MP3C	Mz	.017	5.08
22	MP3A	Y	-23	.5
23	MP3A	Mv	.016	.5
24	MP3A	Mz	-.021	.5
25	MP3A	Y	-23	5.08
26	MP3A	My	.016	5.08
27	MP3A	Mz	-.021	5.08
28	MP3B	Y	-23	.5
29	MP3B	Mv	.005	.5
30	MP3B	Mz	.027	.5
31	MP3B	Y	-23	5.08
32	MP3B	My	.005	5.08
33	MP3B	Mz	.027	5.08
34	MP3C	Y	-23	.5
35	MP3C	My	-.021	.5
36	MP3C	Mz	-.017	.5
37	MP3C	Y	-23	5.08
38	MP3C	My	-.021	5.08
39	MP3C	Mz	-.017	5.08
40	MP1A	Y	-43.55	1.79
41	MP1A	My	0	1.79



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
42	MP1A	Mz	-.022	1.79
43	MP1A	Y	-43.55	3.79
44	MP1A	My	0	3.79
45	MP1A	Mz	-.022	3.79
46	MP1B	Y	-43.55	1.79
47	MP1B	My	.017	1.79
48	MP1B	Mz	.014	1.79
49	MP1B	Y	-43.55	3.79
50	MP1B	My	.017	3.79
51	MP1B	Mz	.014	3.79
52	MP1C	Y	-43.55	1.79
53	MP1C	My	-.022	1.79
54	MP1C	Mz	0	1.79
55	MP1C	Y	-43.55	3.79
56	MP1C	My	-.022	3.79
57	MP1C	Mz	0	3.79
58	MP2A	Y	-84.4	2.79
59	MP2A	My	0	2.79
60	MP2A	Mz	.042	2.79
61	MP2B	Y	-84.4	2.79
62	MP2B	My	-.032	2.79
63	MP2B	Mz	-.027	2.79
64	MP2C	Y	-84.4	2.79
65	MP2C	My	.042	2.79
66	MP2C	Mz	0	2.79
67	MP3A	Y	-70.3	2.79
68	MP3A	My	0	2.79
69	MP3A	Mz	.035	2.79
70	MP3B	Y	-70.3	2.79
71	MP3B	My	0	2.79
72	MP3B	Mz	.035	2.79
73	MP3C	Y	-70.3	2.79
74	MP3C	My	0	2.79
75	MP3C	Mz	.035	2.79
76	M100	Y	-32	1
77	M100	My	0	1
78	M100	Mz	0	1
79	MP4A	Y	-8.5	.5
80	MP4A	My	.002	.5
81	MP4A	Mz	-.004	.5
82	MP4A	Y	-8.5	5.08
83	MP4A	My	.002	5.08
84	MP4A	Mz	-.004	5.08
85	MP4B	Y	-8.5	.5
86	MP4B	My	.002	.5
87	MP4B	Mz	.004	.5
88	MP4B	Y	-8.5	5.08
89	MP4B	My	.002	5.08
90	MP4B	Mz	.004	5.08
91	MP4C	Y	-8.5	.5
92	MP4C	My	-.004	.5
93	MP4C	Mz	0	.5
94	MP4C	Y	-8.5	5.08
95	MP4C	My	-.004	5.08
96	MP4C	Mz	0	5.08





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3C	Y	-29.355	.25
2	MP3C	My	.015	.25
3	MP3C	Mz	0	.25
4	MP3A	Y	-127.425	.5
5	MP3A	Mv	-.09	.5
6	MP3A	Mz	-.117	.5
7	MP3A	Y	-127.425	5.08
8	MP3A	My	-.09	5.08
9	MP3A	Mz	-.117	5.08
10	MP3B	Y	-127.425	.5
11	MP3B	Mv	.151	.5
12	MP3B	Mz	.002	.5
13	MP3B	Y	-127.425	5.08
14	MP3B	My	.151	5.08
15	MP3B	Mz	.002	5.08
16	MP3C	Y	-127.425	.5
17	MP3C	My	-.117	.5
18	MP3C	Mz	.096	.5
19	MP3C	Y	-127.425	5.08
20	MP3C	My	-.117	5.08
21	MP3C	Mz	.096	5.08
22	MP3A	Y	-127.425	.5
23	MP3A	Mv	.09	.5
24	MP3A	Mz	-.117	.5
25	MP3A	Y	-127.425	5.08
26	MP3A	My	.09	5.08
27	MP3A	Mz	-.117	5.08
28	MP3B	Y	-127.425	.5
29	MP3B	Mv	.028	.5
30	MP3B	Mz	.148	.5
31	MP3B	Y	-127.425	5.08
32	MP3B	My	.028	5.08
33	MP3B	Mz	.148	5.08
34	MP3C	Y	-127.425	.5
35	MP3C	Mv	-.117	.5
36	MP3C	Mz	-.096	.5
37	MP3C	Y	-127.425	5.08
38	MP3C	My	-.117	5.08
39	MP3C	Mz	-.096	5.08
40	MP1A	Y	-55.851	1.79
41	MP1A	Mv	0	1.79
42	MP1A	Mz	-.028	1.79
43	MP1A	Y	-55.851	3.79
44	MP1A	Mv	0	3.79
45	MP1A	Mz	-.028	3.79
46	MP1B	Y	-55.851	1.79
47	MP1B	Mv	.021	1.79
48	MP1B	Mz	.018	1.79
49	MP1B	Y	-55.851	3.79
50	MP1B	My	.021	3.79
51	MP1B	Mz	.018	3.79
52	MP1C	Y	-55.851	1.79
53	MP1C	Mv	-.028	1.79
54	MP1C	Mz	0	1.79
55	MP1C	Y	-55.851	3.79
56	MP1C	Mv	-.028	3.79
57	MP1C	Mz	0	3.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP2A	Y	-70.969	2.79
59	MP2A	My	0	2.79
60	MP2A	Mz	.035	2.79
61	MP2B	Y	-70.969	2.79
62	MP2B	My	-.027	2.79
63	MP2B	Mz	-.023	2.79
64	MP2C	Y	-70.969	2.79
65	MP2C	My	.035	2.79
66	MP2C	Mz	0	2.79
67	MP3A	Y	-64.069	2.79
68	MP3A	My	0	2.79
69	MP3A	Mz	.032	2.79
70	MP3B	Y	-64.069	2.79
71	MP3B	My	0	2.79
72	MP3B	Mz	.032	2.79
73	MP3C	Y	-64.069	2.79
74	MP3C	My	0	2.79
75	MP3C	Mz	.032	2.79
76	M100	Y	-118.541	1
77	M100	My	0	1
78	M100	Mz	0	1
79	MP4A	Y	-81.323	.5
80	MP4A	My	.02	.5
81	MP4A	Mz	-.035	.5
82	MP4A	Y	-81.323	5.08
83	MP4A	My	.02	5.08
84	MP4A	Mz	-.035	5.08
85	MP4B	Y	-81.323	.5
86	MP4B	My	.02	.5
87	MP4B	Mz	.035	.5
88	MP4B	Y	-81.323	5.08
89	MP4B	My	.02	5.08
90	MP4B	Mz	.035	5.08
91	MP4C	Y	-81.323	.5
92	MP4C	My	-.041	.5
93	MP4C	Mz	0	.5
94	MP4C	Y	-81.323	5.08
95	MP4C	My	-.041	5.08
96	MP4C	Mz	0	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	0	.25
2	MP3C	Z	-39.425	.25
3	MP3C	Mx	0	.25
4	MP3A	X	0	.5
5	MP3A	Z	-72.69	.5
6	MP3A	Mx	.067	.5
7	MP3A	X	0	5.08
8	MP3A	Z	-72.69	5.08
9	MP3A	Mx	.067	5.08
10	MP3B	X	0	.5
11	MP3B	Z	-87.03	.5
12	MP3B	Mx	-.001	.5
13	MP3B	X	0	5.08
14	MP3B	Z	-87.03	5.08



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP3B	Mx	-.001	5.08
16	MP3C	X	0	.5
17	MP3C	Z	-97.126	.5
18	MP3C	Mx	-.073	.5
19	MP3C	X	0	5.08
20	MP3C	Z	-97.126	5.08
21	MP3C	Mx	-.073	5.08
22	MP3A	X	0	.5
23	MP3A	Z	-72.69	.5
24	MP3A	Mx	.067	.5
25	MP3A	X	0	5.08
26	MP3A	Z	-72.69	5.08
27	MP3A	Mx	.067	5.08
28	MP3B	X	0	.5
29	MP3B	Z	-87.03	.5
30	MP3B	Mx	-.101	.5
31	MP3B	X	0	5.08
32	MP3B	Z	-87.03	5.08
33	MP3B	Mx	-.101	5.08
34	MP3C	X	0	.5
35	MP3C	Z	-97.126	.5
36	MP3C	Mx	.073	.5
37	MP3C	X	0	5.08
38	MP3C	Z	-97.126	5.08
39	MP3C	Mx	.073	5.08
40	MP1A	X	0	1.79
41	MP1A	Z	-27.721	1.79
42	MP1A	Mx	.014	1.79
43	MP1A	X	0	3.79
44	MP1A	Z	-27.721	3.79
45	MP1A	Mx	.014	3.79
46	MP1B	X	0	1.79
47	MP1B	Z	-58.689	1.79
48	MP1B	Mx	-.019	1.79
49	MP1B	X	0	3.79
50	MP1B	Z	-58.689	3.79
51	MP1B	Mx	-.019	3.79
52	MP1C	X	0	1.79
53	MP1C	Z	-80.493	1.79
54	MP1C	Mx	0	1.79
55	MP1C	X	0	3.79
56	MP1C	Z	-80.493	3.79
57	MP1C	Mx	0	3.79
58	MP2A	X	0	2.79
59	MP2A	Z	-42.711	2.79
60	MP2A	Mx	-.021	2.79
61	MP2B	X	0	2.79
62	MP2B	Z	-55.001	2.79
63	MP2B	Mx	.018	2.79
64	MP2C	X	0	2.79
65	MP2C	Z	-63.655	2.79
66	MP2C	Mx	0	2.79
67	MP3A	X	0	2.79
68	MP3A	Z	-34.908	2.79
69	MP3A	Mx	-.017	2.79
70	MP3B	X	0	2.79
71	MP3B	Z	-34.908	2.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP3B	Mx	-.017	2.79
73	MP3C	X	0	2.79
74	MP3C	Z	-34.908	2.79
75	MP3C	Mx	-.017	2.79
76	M100	X	0	1
77	M100	Z	-98.974	1
78	M100	Mx	0	1
79	MP4A	X	0	.5
80	MP4A	Z	-102.897	.5
81	MP4A	Mx	.045	.5
82	MP4A	X	0	5.08
83	MP4A	Z	-102.897	5.08
84	MP4A	Mx	.045	5.08
85	MP4B	X	0	.5
86	MP4B	Z	-102.897	.5
87	MP4B	Mx	-.045	.5
88	MP4B	X	0	5.08
89	MP4B	Z	-102.897	5.08
90	MP4B	Mx	-.045	5.08
91	MP4C	X	0	.5
92	MP4C	Z	-155.442	.5
93	MP4C	Mx	0	.5
94	MP4C	X	0	5.08
95	MP4C	Z	-155.442	5.08
96	MP4C	Mx	0	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	16.403	.25
2	MP3C	Z	-28.41	.25
3	MP3C	Mx	.008	.25
4	MP3A	X	39.4	.5
5	MP3A	Z	-68.242	.5
6	MP3A	Mx	.035	.5
7	MP3A	X	39.4	5.08
8	MP3A	Z	-68.242	5.08
9	MP3A	Mx	.035	5.08
10	MP3B	X	48.194	.5
11	MP3B	Z	-83.475	.5
12	MP3B	Mx	.056	.5
13	MP3B	X	48.194	5.08
14	MP3B	Z	-83.475	5.08
15	MP3B	Mx	.056	5.08
16	MP3C	X	45.508	.5
17	MP3C	Z	-78.823	.5
18	MP3C	Mx	-.101	.5
19	MP3C	X	45.508	5.08
20	MP3C	Z	-78.823	5.08
21	MP3C	Mx	-.101	5.08
22	MP3A	X	39.4	.5
23	MP3A	Z	-68.242	.5
24	MP3A	Mx	.09	.5
25	MP3A	X	39.4	5.08
26	MP3A	Z	-68.242	5.08
27	MP3A	Mx	.09	5.08
28	MP3B	X	48.194	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3B	Z	-83.475	.5
30	MP3B	Mx	-.087	.5
31	MP3B	X	48.194	5.08
32	MP3B	Z	-83.475	5.08
33	MP3B	Mx	-.087	5.08
34	MP3C	X	45.508	.5
35	MP3C	Z	-78.823	.5
36	MP3C	Mx	.017	.5
37	MP3C	X	45.508	5.08
38	MP3C	Z	-78.823	5.08
39	MP3C	Mx	.017	5.08
40	MP1A	X	20.457	1.79
41	MP1A	Z	-35.433	1.79
42	MP1A	Mx	.018	1.79
43	MP1A	X	20.457	3.79
44	MP1A	Z	-35.433	3.79
45	MP1A	Mx	.018	3.79
46	MP1B	X	39.451	1.79
47	MP1B	Z	-68.331	1.79
48	MP1B	Mx	-.007	1.79
49	MP1B	X	39.451	3.79
50	MP1B	Z	-68.331	3.79
51	MP1B	Mx	-.007	3.79
52	MP1C	X	33.65	1.79
53	MP1C	Z	-58.284	1.79
54	MP1C	Mx	-.017	1.79
55	MP1C	X	33.65	3.79
56	MP1C	Z	-58.284	3.79
57	MP1C	Mx	-.017	3.79
58	MP2A	X	23.973	2.79
59	MP2A	Z	-41.523	2.79
60	MP2A	Mx	-.021	2.79
61	MP2B	X	31.512	2.79
62	MP2B	Z	-54.58	2.79
63	MP2B	Mx	.005	2.79
64	MP2C	X	29.21	2.79
65	MP2C	Z	-50.592	2.79
66	MP2C	Mx	.015	2.79
67	MP3A	X	21.047	2.79
68	MP3A	Z	-36.455	2.79
69	MP3A	Mx	-.018	2.79
70	MP3B	X	21.047	2.79
71	MP3B	Z	-36.455	2.79
72	MP3B	Mx	-.018	2.79
73	MP3C	X	21.047	2.79
74	MP3C	Z	-36.455	2.79
75	MP3C	Mx	-.018	2.79
76	M100	X	53.388	1
77	M100	Z	-92.471	1
78	M100	Mx	0	1
79	MP4A	X	42.691	.5
80	MP4A	Z	-73.943	.5
81	MP4A	Mx	.043	.5
82	MP4A	X	42.691	5.08
83	MP4A	Z	-73.943	5.08
84	MP4A	Mx	.043	5.08
85	MP4B	X	68.964	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP4B	Z	-119.448	.5
87	MP4B	Mx	-.034	.5
88	MP4B	X	68.964	5.08
89	MP4B	Z	-119.448	5.08
90	MP4B	Mx	-.034	5.08
91	MP4C	X	68.964	.5
92	MP4C	Z	-119.448	.5
93	MP4C	Mx	-.034	.5
94	MP4C	X	68.964	5.08
95	MP4C	Z	-119.448	5.08
96	MP4C	Mx	-.034	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	16.944	.25
2	MP3C	Z	-9.783	.25
3	MP3C	Mx	.008	.25
4	MP3A	X	78.823	.5
5	MP3A	Z	-45.508	.5
6	MP3A	Mx	-.014	.5
7	MP3A	X	78.823	5.08
8	MP3A	Z	-45.508	5.08
9	MP3A	Mx	-.014	5.08
10	MP3B	X	81.638	.5
11	MP3B	Z	-47.134	.5
12	MP3B	Mx	.096	.5
13	MP3B	X	81.638	5.08
14	MP3B	Z	-47.134	5.08
15	MP3B	Mx	.096	5.08
16	MP3C	X	68.242	.5
17	MP3C	Z	-39.4	.5
18	MP3C	Mx	-.092	.5
19	MP3C	X	68.242	5.08
20	MP3C	Z	-39.4	5.08
21	MP3C	Mx	-.092	5.08
22	MP3A	X	78.823	.5
23	MP3A	Z	-45.508	.5
24	MP3A	Mx	.098	.5
25	MP3A	X	78.823	5.08
26	MP3A	Z	-45.508	5.08
27	MP3A	Mx	.098	5.08
28	MP3B	X	81.638	.5
29	MP3B	Z	-47.134	.5
30	MP3B	Mx	-.037	.5
31	MP3B	X	81.638	5.08
32	MP3B	Z	-47.134	5.08
33	MP3B	Mx	-.037	5.08
34	MP3C	X	68.242	.5
35	MP3C	Z	-39.4	.5
36	MP3C	Mx	-.033	.5
37	MP3C	X	68.242	5.08
38	MP3C	Z	-39.4	5.08
39	MP3C	Mx	-.033	5.08
40	MP1A	X	58.284	1.79
41	MP1A	Z	-33.65	1.79
42	MP1A	Mx	.017	1.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
43	MP1A	X	58.284	3.79
44	MP1A	Z	-33.65	3.79
45	MP1A	Mx	.017	3.79
46	MP1B	X	64.363	1.79
47	MP1B	Z	-37.16	1.79
48	MP1B	Mx	.013	1.79
49	MP1B	X	64.363	3.79
50	MP1B	Z	-37.16	3.79
51	MP1B	Mx	.013	3.79
52	MP1C	X	35.433	1.79
53	MP1C	Z	-20.457	1.79
54	MP1C	Mx	-.018	1.79
55	MP1C	X	35.433	3.79
56	MP1C	Z	-20.457	3.79
57	MP1C	Mx	-.018	3.79
58	MP2A	X	50.592	2.79
59	MP2A	Z	-29.21	2.79
60	MP2A	Mx	-.015	2.79
61	MP2B	X	53.005	2.79
62	MP2B	Z	-30.603	2.79
63	MP2B	Mx	-.01	2.79
64	MP2C	X	41.523	2.79
65	MP2C	Z	-23.973	2.79
66	MP2C	Mx	.021	2.79
67	MP3A	X	48.903	2.79
68	MP3A	Z	-28.234	2.79
69	MP3A	Mx	-.014	2.79
70	MP3B	X	48.903	2.79
71	MP3B	Z	-28.234	2.79
72	MP3B	Mx	-.014	2.79
73	MP3C	X	48.903	2.79
74	MP3C	Z	-28.234	2.79
75	MP3C	Mx	-.014	2.79
76	M100	X	105.986	1
77	M100	Z	-61.191	1
78	M100	Mx	0	1
79	MP4A	X	89.112	.5
80	MP4A	Z	-51.449	.5
81	MP4A	Mx	.045	.5
82	MP4A	X	89.112	5.08
83	MP4A	Z	-51.449	5.08
84	MP4A	Mx	.045	5.08
85	MP4B	X	134.617	.5
86	MP4B	Z	-77.721	.5
87	MP4B	Mx	0	.5
88	MP4B	X	134.617	5.08
89	MP4B	Z	-77.721	5.08
90	MP4B	Mx	0	5.08
91	MP4C	X	89.112	.5
92	MP4C	Z	-51.449	.5
93	MP4C	Mx	-.045	.5
94	MP4C	X	89.112	5.08
95	MP4C	Z	-51.449	5.08
96	MP4C	Mx	-.045	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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**Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	12.945	.25
2	MP3C	Z	0	.25
3	MP3C	Mx	.006	.25
4	MP3A	X	97.126	.5
5	MP3A	Z	0	.5
6	MP3A	Mx	-.069	.5
7	MP3A	X	97.126	5.08
8	MP3A	Z	0	5.08
9	MP3A	Mx	-.069	5.08
10	MP3B	X	82.786	.5
11	MP3B	Z	0	.5
12	MP3B	Mx	.098	.5
13	MP3B	X	82.786	5.08
14	MP3B	Z	0	5.08
15	MP3B	Mx	.098	5.08
16	MP3C	X	72.69	.5
17	MP3C	Z	0	.5
18	MP3C	Mx	-.067	.5
19	MP3C	X	72.69	5.08
20	MP3C	Z	0	5.08
21	MP3C	Mx	-.067	5.08
22	MP3A	X	97.126	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	.069	.5
25	MP3A	X	97.126	5.08
26	MP3A	Z	0	5.08
27	MP3A	Mx	.069	5.08
28	MP3B	X	82.786	.5
29	MP3B	Z	0	.5
30	MP3B	Mx	.018	.5
31	MP3B	X	82.786	5.08
32	MP3B	Z	0	5.08
33	MP3B	Mx	.018	5.08
34	MP3C	X	72.69	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	-.067	.5
37	MP3C	X	72.69	5.08
38	MP3C	Z	0	5.08
39	MP3C	Mx	-.067	5.08
40	MP1A	X	80.493	1.79
41	MP1A	Z	0	1.79
42	MP1A	Mx	0	1.79
43	MP1A	X	80.493	3.79
44	MP1A	Z	0	3.79
45	MP1A	Mx	0	3.79
46	MP1B	X	49.525	1.79
47	MP1B	Z	0	1.79
48	MP1B	Mx	.019	1.79
49	MP1B	X	49.525	3.79
50	MP1B	Z	0	3.79
51	MP1B	Mx	.019	3.79
52	MP1C	X	27.721	1.79
53	MP1C	Z	0	1.79
54	MP1C	Mx	-.014	1.79
55	MP1C	X	27.721	3.79
56	MP1C	Z	0	3.79
57	MP1C	Mx	-.014	3.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP2A	X	63.655	2.79
59	MP2A	Z	0	2.79
60	MP2A	Mx	0	2.79
61	MP2B	X	51.364	2.79
62	MP2B	Z	0	2.79
63	MP2B	Mx	-.02	2.79
64	MP2C	X	42.711	2.79
65	MP2C	Z	0	2.79
66	MP2C	Mx	.021	2.79
67	MP3A	X	63.655	2.79
68	MP3A	Z	0	2.79
69	MP3A	Mx	0	2.79
70	MP3B	X	63.655	2.79
71	MP3B	Z	0	2.79
72	MP3B	Mx	0	2.79
73	MP3C	X	63.655	2.79
74	MP3C	Z	0	2.79
75	MP3C	Mx	0	2.79
76	M100	X	130.185	1
77	M100	Z	0	1
78	M100	Mx	0	1
79	MP4A	X	137.927	.5
80	MP4A	Z	0	.5
81	MP4A	Mx	.034	.5
82	MP4A	X	137.927	5.08
83	MP4A	Z	0	5.08
84	MP4A	Mx	.034	5.08
85	MP4B	X	137.927	.5
86	MP4B	Z	0	.5
87	MP4B	Mx	.034	.5
88	MP4B	X	137.927	5.08
89	MP4B	Z	0	5.08
90	MP4B	Mx	.034	5.08
91	MP4C	X	85.382	.5
92	MP4C	Z	0	.5
93	MP4C	Mx	-.043	.5
94	MP4C	X	85.382	5.08
95	MP4C	Z	0	5.08
96	MP4C	Mx	-.043	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	16.944	.25
2	MP3C	Z	9.783	.25
3	MP3C	Mx	.008	.25
4	MP3A	X	78.823	.5
5	MP3A	Z	45.508	.5
6	MP3A	Mx	-.098	.5
7	MP3A	X	78.823	5.08
8	MP3A	Z	45.508	5.08
9	MP3A	Mx	-.098	5.08
10	MP3B	X	63.59	.5
11	MP3B	Z	36.714	.5
12	MP3B	Mx	.076	.5
13	MP3B	X	63.59	5.08
14	MP3B	Z	36.714	5.08



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP3B	Mx	.076	5.08
16	MP3C	X	68.242	.5
17	MP3C	Z	39.4	.5
18	MP3C	Mx	-.033	.5
19	MP3C	X	68.242	5.08
20	MP3C	Z	39.4	5.08
21	MP3C	Mx	-.033	5.08
22	MP3A	X	78.823	.5
23	MP3A	Z	45.508	.5
24	MP3A	Mx	.014	.5
25	MP3A	X	78.823	5.08
26	MP3A	Z	45.508	5.08
27	MP3A	Mx	.014	5.08
28	MP3B	X	63.59	.5
29	MP3B	Z	36.714	.5
30	MP3B	Mx	.057	.5
31	MP3B	X	63.59	5.08
32	MP3B	Z	36.714	5.08
33	MP3B	Mx	.057	5.08
34	MP3C	X	68.242	.5
35	MP3C	Z	39.4	.5
36	MP3C	Mx	-.092	.5
37	MP3C	X	68.242	5.08
38	MP3C	Z	39.4	5.08
39	MP3C	Mx	-.092	5.08
40	MP1A	X	58.284	1.79
41	MP1A	Z	33.65	1.79
42	MP1A	Mx	-.017	1.79
43	MP1A	X	58.284	3.79
44	MP1A	Z	33.65	3.79
45	MP1A	Mx	-.017	3.79
46	MP1B	X	25.385	1.79
47	MP1B	Z	14.656	1.79
48	MP1B	Mx	.014	1.79
49	MP1B	X	25.385	3.79
50	MP1B	Z	14.656	3.79
51	MP1B	Mx	.014	3.79
52	MP1C	X	35.433	1.79
53	MP1C	Z	20.457	1.79
54	MP1C	Mx	-.018	1.79
55	MP1C	X	35.433	3.79
56	MP1C	Z	20.457	3.79
57	MP1C	Mx	-.018	3.79
58	MP2A	X	50.592	2.79
59	MP2A	Z	29.21	2.79
60	MP2A	Mx	.015	2.79
61	MP2B	X	37.535	2.79
62	MP2B	Z	21.671	2.79
63	MP2B	Mx	-.021	2.79
64	MP2C	X	41.523	2.79
65	MP2C	Z	23.973	2.79
66	MP2C	Mx	.021	2.79
67	MP3A	X	48.903	2.79
68	MP3A	Z	28.234	2.79
69	MP3A	Mx	.014	2.79
70	MP3B	X	48.903	2.79
71	MP3B	Z	28.234	2.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP3B	Mx	.014	2.79
73	MP3C	X	48.903	2.79
74	MP3C	Z	28.234	2.79
75	MP3C	Mx	.014	2.79
76	M100	X	105.986	1
77	M100	Z	61.191	1
78	M100	Mx	0	1
79	MP4A	X	134.617	.5
80	MP4A	Z	77.721	.5
81	MP4A	Mx	0	.5
82	MP4A	X	134.617	5.08
83	MP4A	Z	77.721	5.08
84	MP4A	Mx	0	5.08
85	MP4B	X	89.112	.5
86	MP4B	Z	51.449	.5
87	MP4B	Mx	.045	.5
88	MP4B	X	89.112	5.08
89	MP4B	Z	51.449	5.08
90	MP4B	Mx	.045	5.08
91	MP4C	X	89.112	.5
92	MP4C	Z	51.449	.5
93	MP4C	Mx	-.045	.5
94	MP4C	X	89.112	5.08
95	MP4C	Z	51.449	5.08
96	MP4C	Mx	-.045	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	16.403	.25
2	MP3C	Z	28.41	.25
3	MP3C	Mx	.008	.25
4	MP3A	X	39.4	.5
5	MP3A	Z	68.242	.5
6	MP3A	Mx	-.09	.5
7	MP3A	X	39.4	5.08
8	MP3A	Z	68.242	5.08
9	MP3A	Mx	-.09	5.08
10	MP3B	X	37.774	.5
11	MP3B	Z	65.427	.5
12	MP3B	Mx	.046	.5
13	MP3B	X	37.774	5.08
14	MP3B	Z	65.427	5.08
15	MP3B	Mx	.046	5.08
16	MP3C	X	45.508	.5
17	MP3C	Z	78.823	.5
18	MP3C	Mx	.017	.5
19	MP3C	X	45.508	5.08
20	MP3C	Z	78.823	5.08
21	MP3C	Mx	.017	5.08
22	MP3A	X	39.4	.5
23	MP3A	Z	68.242	.5
24	MP3A	Mx	-.035	.5
25	MP3A	X	39.4	5.08
26	MP3A	Z	68.242	5.08
27	MP3A	Mx	-.035	5.08
28	MP3B	X	37.774	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3B	Z	65.427	.5
30	MP3B	Mx	.084	.5
31	MP3B	X	37.774	5.08
32	MP3B	Z	65.427	5.08
33	MP3B	Mx	.084	5.08
34	MP3C	X	45.508	.5
35	MP3C	Z	78.823	.5
36	MP3C	Mx	-.101	.5
37	MP3C	X	45.508	5.08
38	MP3C	Z	78.823	5.08
39	MP3C	Mx	-.101	5.08
40	MP1A	X	20.457	1.79
41	MP1A	Z	35.433	1.79
42	MP1A	Mx	-.018	1.79
43	MP1A	X	20.457	3.79
44	MP1A	Z	35.433	3.79
45	MP1A	Mx	-.018	3.79
46	MP1B	X	16.947	1.79
47	MP1B	Z	29.353	1.79
48	MP1B	Mx	.016	1.79
49	MP1B	X	16.947	3.79
50	MP1B	Z	29.353	3.79
51	MP1B	Mx	.016	3.79
52	MP1C	X	33.65	1.79
53	MP1C	Z	58.284	1.79
54	MP1C	Mx	-.017	1.79
55	MP1C	X	33.65	3.79
56	MP1C	Z	58.284	3.79
57	MP1C	Mx	-.017	3.79
58	MP2A	X	23.973	2.79
59	MP2A	Z	41.523	2.79
60	MP2A	Mx	.021	2.79
61	MP2B	X	22.58	2.79
62	MP2B	Z	39.11	2.79
63	MP2B	Mx	-.021	2.79
64	MP2C	X	29.21	2.79
65	MP2C	Z	50.592	2.79
66	MP2C	Mx	.015	2.79
67	MP3A	X	21.047	2.79
68	MP3A	Z	36.455	2.79
69	MP3A	Mx	.018	2.79
70	MP3B	X	21.047	2.79
71	MP3B	Z	36.455	2.79
72	MP3B	Mx	.018	2.79
73	MP3C	X	21.047	2.79
74	MP3C	Z	36.455	2.79
75	MP3C	Mx	.018	2.79
76	M100	X	53.388	1
77	M100	Z	92.471	1
78	M100	Mx	0	1
79	MP4A	X	68.964	.5
80	MP4A	Z	119.448	.5
81	MP4A	Mx	-.034	.5
82	MP4A	X	68.964	5.08
83	MP4A	Z	119.448	5.08
84	MP4A	Mx	-.034	5.08
85	MP4B	X	42.691	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP4B	Z	73.943	.5
87	MP4B	Mx	.043	.5
88	MP4B	X	42.691	5.08
89	MP4B	Z	73.943	5.08
90	MP4B	Mx	.043	5.08
91	MP4C	X	68.964	.5
92	MP4C	Z	119.448	.5
93	MP4C	Mx	-.034	.5
94	MP4C	X	68.964	5.08
95	MP4C	Z	119.448	5.08
96	MP4C	Mx	-.034	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	0	.25
2	MP3C	Z	39.425	.25
3	MP3C	Mx	0	.25
4	MP3A	X	0	.5
5	MP3A	Z	72.69	.5
6	MP3A	Mx	-.067	.5
7	MP3A	X	0	5.08
8	MP3A	Z	72.69	5.08
9	MP3A	Mx	-.067	5.08
10	MP3B	X	0	.5
11	MP3B	Z	87.03	.5
12	MP3B	Mx	.001	.5
13	MP3B	X	0	5.08
14	MP3B	Z	87.03	5.08
15	MP3B	Mx	.001	5.08
16	MP3C	X	0	.5
17	MP3C	Z	97.126	.5
18	MP3C	Mx	.073	.5
19	MP3C	X	0	5.08
20	MP3C	Z	97.126	5.08
21	MP3C	Mx	.073	5.08
22	MP3A	X	0	.5
23	MP3A	Z	72.69	.5
24	MP3A	Mx	-.067	.5
25	MP3A	X	0	5.08
26	MP3A	Z	72.69	5.08
27	MP3A	Mx	-.067	5.08
28	MP3B	X	0	.5
29	MP3B	Z	87.03	.5
30	MP3B	Mx	.101	.5
31	MP3B	X	0	5.08
32	MP3B	Z	87.03	5.08
33	MP3B	Mx	.101	5.08
34	MP3C	X	0	.5
35	MP3C	Z	97.126	.5
36	MP3C	Mx	-.073	.5
37	MP3C	X	0	5.08
38	MP3C	Z	97.126	5.08
39	MP3C	Mx	-.073	5.08
40	MP1A	X	0	1.79
41	MP1A	Z	27.721	1.79
42	MP1A	Mx	-.014	1.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP1A	X	0	3.79
44	MP1A	Z	27.721	3.79
45	MP1A	Mx	-.014	3.79
46	MP1B	X	0	1.79
47	MP1B	Z	58.689	1.79
48	MP1B	Mx	.019	1.79
49	MP1B	X	0	3.79
50	MP1B	Z	58.689	3.79
51	MP1B	Mx	.019	3.79
52	MP1C	X	0	1.79
53	MP1C	Z	80.493	1.79
54	MP1C	Mx	0	1.79
55	MP1C	X	0	3.79
56	MP1C	Z	80.493	3.79
57	MP1C	Mx	0	3.79
58	MP2A	X	0	2.79
59	MP2A	Z	42.711	2.79
60	MP2A	Mx	.021	2.79
61	MP2B	X	0	2.79
62	MP2B	Z	55.001	2.79
63	MP2B	Mx	-.018	2.79
64	MP2C	X	0	2.79
65	MP2C	Z	63.655	2.79
66	MP2C	Mx	0	2.79
67	MP3A	X	0	2.79
68	MP3A	Z	34.908	2.79
69	MP3A	Mx	.017	2.79
70	MP3B	X	0	2.79
71	MP3B	Z	34.908	2.79
72	MP3B	Mx	.017	2.79
73	MP3C	X	0	2.79
74	MP3C	Z	34.908	2.79
75	MP3C	Mx	.017	2.79
76	M100	X	0	1
77	M100	Z	98.974	1
78	M100	Mx	0	1
79	MP4A	X	0	.5
80	MP4A	Z	102.897	.5
81	MP4A	Mx	-.045	.5
82	MP4A	X	0	5.08
83	MP4A	Z	102.897	5.08
84	MP4A	Mx	-.045	5.08
85	MP4B	X	0	.5
86	MP4B	Z	102.897	.5
87	MP4B	Mx	.045	.5
88	MP4B	X	0	5.08
89	MP4B	Z	102.897	5.08
90	MP4B	Mx	.045	5.08
91	MP4C	X	0	.5
92	MP4C	Z	155.442	.5
93	MP4C	Mx	0	.5
94	MP4C	X	0	5.08
95	MP4C	Z	155.442	5.08
96	MP4C	Mx	0	5.08

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

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



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	-16.403	.25
2	MP3C	Z	28.41	.25
3	MP3C	Mx	-.008	.25
4	MP3A	X	-39.4	.5
5	MP3A	Z	68.242	.5
6	MP3A	Mx	-.035	.5
7	MP3A	X	-39.4	5.08
8	MP3A	Z	68.242	5.08
9	MP3A	Mx	-.035	5.08
10	MP3B	X	-48.194	.5
11	MP3B	Z	83.475	.5
12	MP3B	Mx	-.056	.5
13	MP3B	X	-48.194	5.08
14	MP3B	Z	83.475	5.08
15	MP3B	Mx	-.056	5.08
16	MP3C	X	-45.508	.5
17	MP3C	Z	78.823	.5
18	MP3C	Mx	.101	.5
19	MP3C	X	-45.508	5.08
20	MP3C	Z	78.823	5.08
21	MP3C	Mx	.101	5.08
22	MP3A	X	-39.4	.5
23	MP3A	Z	68.242	.5
24	MP3A	Mx	-.09	.5
25	MP3A	X	-39.4	5.08
26	MP3A	Z	68.242	5.08
27	MP3A	Mx	-.09	5.08
28	MP3B	X	-48.194	.5
29	MP3B	Z	83.475	.5
30	MP3B	Mx	.087	.5
31	MP3B	X	-48.194	5.08
32	MP3B	Z	83.475	5.08
33	MP3B	Mx	.087	5.08
34	MP3C	X	-45.508	.5
35	MP3C	Z	78.823	.5
36	MP3C	Mx	-.017	.5
37	MP3C	X	-45.508	5.08
38	MP3C	Z	78.823	5.08
39	MP3C	Mx	-.017	5.08
40	MP1A	X	-20.457	1.79
41	MP1A	Z	35.433	1.79
42	MP1A	Mx	-.018	1.79
43	MP1A	X	-20.457	3.79
44	MP1A	Z	35.433	3.79
45	MP1A	Mx	-.018	3.79
46	MP1B	X	-39.451	1.79
47	MP1B	Z	68.331	1.79
48	MP1B	Mx	.007	1.79
49	MP1B	X	-39.451	3.79
50	MP1B	Z	68.331	3.79
51	MP1B	Mx	.007	3.79
52	MP1C	X	-33.65	1.79
53	MP1C	Z	58.284	1.79
54	MP1C	Mx	.017	1.79
55	MP1C	X	-33.65	3.79
56	MP1C	Z	58.284	3.79
57	MP1C	Mx	.017	3.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP2A	X	-23.973	2.79
59	MP2A	Z	41.523	2.79
60	MP2A	Mx	.021	2.79
61	MP2B	X	-31.512	2.79
62	MP2B	Z	54.58	2.79
63	MP2B	Mx	-.005	2.79
64	MP2C	X	-29.21	2.79
65	MP2C	Z	50.592	2.79
66	MP2C	Mx	-.015	2.79
67	MP3A	X	-21.047	2.79
68	MP3A	Z	36.455	2.79
69	MP3A	Mx	.018	2.79
70	MP3B	X	-21.047	2.79
71	MP3B	Z	36.455	2.79
72	MP3B	Mx	.018	2.79
73	MP3C	X	-21.047	2.79
74	MP3C	Z	36.455	2.79
75	MP3C	Mx	.018	2.79
76	M100	X	-53.388	1
77	M100	Z	92.471	1
78	M100	Mx	0	1
79	MP4A	X	-42.691	.5
80	MP4A	Z	73.943	.5
81	MP4A	Mx	-.043	.5
82	MP4A	X	-42.691	5.08
83	MP4A	Z	73.943	5.08
84	MP4A	Mx	-.043	5.08
85	MP4B	X	-68.964	.5
86	MP4B	Z	119.448	.5
87	MP4B	Mx	.034	.5
88	MP4B	X	-68.964	5.08
89	MP4B	Z	119.448	5.08
90	MP4B	Mx	.034	5.08
91	MP4C	X	-68.964	.5
92	MP4C	Z	119.448	.5
93	MP4C	Mx	.034	.5
94	MP4C	X	-68.964	5.08
95	MP4C	Z	119.448	5.08
96	MP4C	Mx	.034	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	-16.944	.25
2	MP3C	Z	9.783	.25
3	MP3C	Mx	-.008	.25
4	MP3A	X	-78.823	.5
5	MP3A	Z	45.508	.5
6	MP3A	Mx	.014	.5
7	MP3A	X	-78.823	5.08
8	MP3A	Z	45.508	5.08
9	MP3A	Mx	.014	5.08
10	MP3B	X	-81.638	.5
11	MP3B	Z	47.134	.5
12	MP3B	Mx	-.096	.5
13	MP3B	X	-81.638	5.08
14	MP3B	Z	47.134	5.08





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP3B	Mx	-.096	5.08
16	MP3C	X	-68.242	.5
17	MP3C	Z	39.4	.5
18	MP3C	Mx	.092	.5
19	MP3C	X	-68.242	5.08
20	MP3C	Z	39.4	5.08
21	MP3C	Mx	.092	5.08
22	MP3A	X	-78.823	.5
23	MP3A	Z	45.508	.5
24	MP3A	Mx	-.098	.5
25	MP3A	X	-78.823	5.08
26	MP3A	Z	45.508	5.08
27	MP3A	Mx	-.098	5.08
28	MP3B	X	-81.638	.5
29	MP3B	Z	47.134	.5
30	MP3B	Mx	.037	.5
31	MP3B	X	-81.638	5.08
32	MP3B	Z	47.134	5.08
33	MP3B	Mx	.037	5.08
34	MP3C	X	-68.242	.5
35	MP3C	Z	39.4	.5
36	MP3C	Mx	.033	.5
37	MP3C	X	-68.242	5.08
38	MP3C	Z	39.4	5.08
39	MP3C	Mx	.033	5.08
40	MP1A	X	-58.284	1.79
41	MP1A	Z	33.65	1.79
42	MP1A	Mx	-.017	1.79
43	MP1A	X	-58.284	3.79
44	MP1A	Z	33.65	3.79
45	MP1A	Mx	-.017	3.79
46	MP1B	X	-64.363	1.79
47	MP1B	Z	37.16	1.79
48	MP1B	Mx	-.013	1.79
49	MP1B	X	-64.363	3.79
50	MP1B	Z	37.16	3.79
51	MP1B	Mx	-.013	3.79
52	MP1C	X	-35.433	1.79
53	MP1C	Z	20.457	1.79
54	MP1C	Mx	.018	1.79
55	MP1C	X	-35.433	3.79
56	MP1C	Z	20.457	3.79
57	MP1C	Mx	.018	3.79
58	MP2A	X	-50.592	2.79
59	MP2A	Z	29.21	2.79
60	MP2A	Mx	.015	2.79
61	MP2B	X	-53.005	2.79
62	MP2B	Z	30.603	2.79
63	MP2B	Mx	.01	2.79
64	MP2C	X	-41.523	2.79
65	MP2C	Z	23.973	2.79
66	MP2C	Mx	-.021	2.79
67	MP3A	X	-48.903	2.79
68	MP3A	Z	28.234	2.79
69	MP3A	Mx	.014	2.79
70	MP3B	X	-48.903	2.79
71	MP3B	Z	28.234	2.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP3B	Mx	.014	2.79
73	MP3C	X	-48.903	2.79
74	MP3C	Z	28.234	2.79
75	MP3C	Mx	.014	2.79
76	M100	X	-105.986	1
77	M100	Z	61.191	1
78	M100	Mx	0	1
79	MP4A	X	-89.112	.5
80	MP4A	Z	51.449	.5
81	MP4A	Mx	-.045	.5
82	MP4A	X	-89.112	5.08
83	MP4A	Z	51.449	5.08
84	MP4A	Mx	-.045	5.08
85	MP4B	X	-134.617	.5
86	MP4B	Z	77.721	.5
87	MP4B	Mx	0	.5
88	MP4B	X	-134.617	5.08
89	MP4B	Z	77.721	5.08
90	MP4B	Mx	0	5.08
91	MP4C	X	-89.112	.5
92	MP4C	Z	51.449	.5
93	MP4C	Mx	.045	.5
94	MP4C	X	-89.112	5.08
95	MP4C	Z	51.449	5.08
96	MP4C	Mx	.045	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	-12.945	.25
2	MP3C	Z	0	.25
3	MP3C	Mx	-.006	.25
4	MP3A	X	-97.126	.5
5	MP3A	Z	0	.5
6	MP3A	Mx	.069	.5
7	MP3A	X	-97.126	5.08
8	MP3A	Z	0	5.08
9	MP3A	Mx	.069	5.08
10	MP3B	X	-82.786	.5
11	MP3B	Z	0	.5
12	MP3B	Mx	-.098	.5
13	MP3B	X	-82.786	5.08
14	MP3B	Z	0	5.08
15	MP3B	Mx	-.098	5.08
16	MP3C	X	-72.69	.5
17	MP3C	Z	0	.5
18	MP3C	Mx	.067	.5
19	MP3C	X	-72.69	5.08
20	MP3C	Z	0	5.08
21	MP3C	Mx	.067	5.08
22	MP3A	X	-97.126	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	-.069	.5
25	MP3A	X	-97.126	5.08
26	MP3A	Z	0	5.08
27	MP3A	Mx	-.069	5.08
28	MP3B	X	-82.786	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3B	Z	0	.5
30	MP3B	Mx	-.018	.5
31	MP3B	X	-82.786	5.08
32	MP3B	Z	0	5.08
33	MP3B	Mx	-.018	5.08
34	MP3C	X	-72.69	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	.067	.5
37	MP3C	X	-72.69	5.08
38	MP3C	Z	0	5.08
39	MP3C	Mx	.067	5.08
40	MP1A	X	-80.493	1.79
41	MP1A	Z	0	1.79
42	MP1A	Mx	0	1.79
43	MP1A	X	-80.493	3.79
44	MP1A	Z	0	3.79
45	MP1A	Mx	0	3.79
46	MP1B	X	-49.525	1.79
47	MP1B	Z	0	1.79
48	MP1B	Mx	-.019	1.79
49	MP1B	X	-49.525	3.79
50	MP1B	Z	0	3.79
51	MP1B	Mx	-.019	3.79
52	MP1C	X	-27.721	1.79
53	MP1C	Z	0	1.79
54	MP1C	Mx	.014	1.79
55	MP1C	X	-27.721	3.79
56	MP1C	Z	0	3.79
57	MP1C	Mx	.014	3.79
58	MP2A	X	-63.655	2.79
59	MP2A	Z	0	2.79
60	MP2A	Mx	0	2.79
61	MP2B	X	-51.364	2.79
62	MP2B	Z	0	2.79
63	MP2B	Mx	.02	2.79
64	MP2C	X	-42.711	2.79
65	MP2C	Z	0	2.79
66	MP2C	Mx	-.021	2.79
67	MP3A	X	-63.655	2.79
68	MP3A	Z	0	2.79
69	MP3A	Mx	0	2.79
70	MP3B	X	-63.655	2.79
71	MP3B	Z	0	2.79
72	MP3B	Mx	0	2.79
73	MP3C	X	-63.655	2.79
74	MP3C	Z	0	2.79
75	MP3C	Mx	0	2.79
76	M100	X	-130.185	1
77	M100	Z	0	1
78	M100	Mx	0	1
79	MP4A	X	-137.927	.5
80	MP4A	Z	0	.5
81	MP4A	Mx	-.034	.5
82	MP4A	X	-137.927	5.08
83	MP4A	Z	0	5.08
84	MP4A	Mx	-.034	5.08
85	MP4B	X	-137.927	.5



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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
86	MP4B	Z	0	.5
87	MP4B	Mx	-.034	.5
88	MP4B	X	-137.927	5.08
89	MP4B	Z	0	5.08
90	MP4B	Mx	-.034	5.08
91	MP4C	X	-85.382	.5
92	MP4C	Z	0	.5
93	MP4C	Mx	.043	.5
94	MP4C	X	-85.382	5.08
95	MP4C	Z	0	5.08
96	MP4C	Mx	.043	5.08

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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
1	MP3C	X	-16.944	.25
2	MP3C	Z	-9.783	.25
3	MP3C	Mx	-.008	.25
4	MP3A	X	-78.823	.5
5	MP3A	Z	-45.508	.5
6	MP3A	Mx	.098	.5
7	MP3A	X	-78.823	5.08
8	MP3A	Z	-45.508	5.08
9	MP3A	Mx	.098	5.08
10	MP3B	X	-63.59	.5
11	MP3B	Z	-36.714	.5
12	MP3B	Mx	-.076	.5
13	MP3B	X	-63.59	5.08
14	MP3B	Z	-36.714	5.08
15	MP3B	Mx	-.076	5.08
16	MP3C	X	-68.242	.5
17	MP3C	Z	-39.4	.5
18	MP3C	Mx	.033	.5
19	MP3C	X	-68.242	5.08
20	MP3C	Z	-39.4	5.08
21	MP3C	Mx	.033	5.08
22	MP3A	X	-78.823	.5
23	MP3A	Z	-45.508	.5
24	MP3A	Mx	-.014	.5
25	MP3A	X	-78.823	5.08
26	MP3A	Z	-45.508	5.08
27	MP3A	Mx	-.014	5.08
28	MP3B	X	-63.59	.5
29	MP3B	Z	-36.714	.5
30	MP3B	Mx	-.057	.5
31	MP3B	X	-63.59	5.08
32	MP3B	Z	-36.714	5.08
33	MP3B	Mx	-.057	5.08
34	MP3C	X	-68.242	.5
35	MP3C	Z	-39.4	.5
36	MP3C	Mx	.092	.5
37	MP3C	X	-68.242	5.08
38	MP3C	Z	-39.4	5.08
39	MP3C	Mx	.092	5.08
40	MP1A	X	-58.284	1.79
41	MP1A	Z	-33.65	1.79
42	MP1A	Mx	.017	1.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
43	MP1A	X	-58.284	3.79
44	MP1A	Z	-33.65	3.79
45	MP1A	Mx	.017	3.79
46	MP1B	X	-25.385	1.79
47	MP1B	Z	-14.656	1.79
48	MP1B	Mx	-.014	1.79
49	MP1B	X	-25.385	3.79
50	MP1B	Z	-14.656	3.79
51	MP1B	Mx	-.014	3.79
52	MP1C	X	-35.433	1.79
53	MP1C	Z	-20.457	1.79
54	MP1C	Mx	.018	1.79
55	MP1C	X	-35.433	3.79
56	MP1C	Z	-20.457	3.79
57	MP1C	Mx	.018	3.79
58	MP2A	X	-50.592	2.79
59	MP2A	Z	-29.21	2.79
60	MP2A	Mx	-.015	2.79
61	MP2B	X	-37.535	2.79
62	MP2B	Z	-21.671	2.79
63	MP2B	Mx	.021	2.79
64	MP2C	X	-41.523	2.79
65	MP2C	Z	-23.973	2.79
66	MP2C	Mx	-.021	2.79
67	MP3A	X	-48.903	2.79
68	MP3A	Z	-28.234	2.79
69	MP3A	Mx	-.014	2.79
70	MP3B	X	-48.903	2.79
71	MP3B	Z	-28.234	2.79
72	MP3B	Mx	-.014	2.79
73	MP3C	X	-48.903	2.79
74	MP3C	Z	-28.234	2.79
75	MP3C	Mx	-.014	2.79
76	M100	X	-105.986	1
77	M100	Z	-61.191	1
78	M100	Mx	0	1
79	MP4A	X	-134.617	.5
80	MP4A	Z	-77.721	.5
81	MP4A	Mx	0	.5
82	MP4A	X	-134.617	5.08
83	MP4A	Z	-77.721	5.08
84	MP4A	Mx	0	5.08
85	MP4B	X	-89.112	.5
86	MP4B	Z	-51.449	.5
87	MP4B	Mx	-.045	.5
88	MP4B	X	-89.112	5.08
89	MP4B	Z	-51.449	5.08
90	MP4B	Mx	-.045	5.08
91	MP4C	X	-89.112	.5
92	MP4C	Z	-51.449	.5
93	MP4C	Mx	.045	.5
94	MP4C	X	-89.112	5.08
95	MP4C	Z	-51.449	5.08
96	MP4C	Mx	.045	5.08

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



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	-16.403	.25
2	MP3C	Z	-28.41	.25
3	MP3C	Mx	-.008	.25
4	MP3A	X	-39.4	.5
5	MP3A	Z	-68.242	.5
6	MP3A	Mx	.09	.5
7	MP3A	X	-39.4	5.08
8	MP3A	Z	-68.242	5.08
9	MP3A	Mx	.09	5.08
10	MP3B	X	-37.774	.5
11	MP3B	Z	-65.427	.5
12	MP3B	Mx	-.046	.5
13	MP3B	X	-37.774	5.08
14	MP3B	Z	-65.427	5.08
15	MP3B	Mx	-.046	5.08
16	MP3C	X	-45.508	.5
17	MP3C	Z	-78.823	.5
18	MP3C	Mx	-.017	.5
19	MP3C	X	-45.508	5.08
20	MP3C	Z	-78.823	5.08
21	MP3C	Mx	-.017	5.08
22	MP3A	X	-39.4	.5
23	MP3A	Z	-68.242	.5
24	MP3A	Mx	.035	.5
25	MP3A	X	-39.4	5.08
26	MP3A	Z	-68.242	5.08
27	MP3A	Mx	.035	5.08
28	MP3B	X	-37.774	.5
29	MP3B	Z	-65.427	.5
30	MP3B	Mx	-.084	.5
31	MP3B	X	-37.774	5.08
32	MP3B	Z	-65.427	5.08
33	MP3B	Mx	-.084	5.08
34	MP3C	X	-45.508	.5
35	MP3C	Z	-78.823	.5
36	MP3C	Mx	.101	.5
37	MP3C	X	-45.508	5.08
38	MP3C	Z	-78.823	5.08
39	MP3C	Mx	.101	5.08
40	MP1A	X	-20.457	1.79
41	MP1A	Z	-35.433	1.79
42	MP1A	Mx	.018	1.79
43	MP1A	X	-20.457	3.79
44	MP1A	Z	-35.433	3.79
45	MP1A	Mx	.018	3.79
46	MP1B	X	-16.947	1.79
47	MP1B	Z	-29.353	1.79
48	MP1B	Mx	-.016	1.79
49	MP1B	X	-16.947	3.79
50	MP1B	Z	-29.353	3.79
51	MP1B	Mx	-.016	3.79
52	MP1C	X	-33.65	1.79
53	MP1C	Z	-58.284	1.79
54	MP1C	Mx	.017	1.79
55	MP1C	X	-33.65	3.79
56	MP1C	Z	-58.284	3.79
57	MP1C	Mx	.017	3.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP2A	X	-23.973	2.79
59	MP2A	Z	-41.523	2.79
60	MP2A	Mx	-.021	2.79
61	MP2B	X	-22.58	2.79
62	MP2B	Z	-39.11	2.79
63	MP2B	Mx	.021	2.79
64	MP2C	X	-29.21	2.79
65	MP2C	Z	-50.592	2.79
66	MP2C	Mx	-.015	2.79
67	MP3A	X	-21.047	2.79
68	MP3A	Z	-36.455	2.79
69	MP3A	Mx	-.018	2.79
70	MP3B	X	-21.047	2.79
71	MP3B	Z	-36.455	2.79
72	MP3B	Mx	-.018	2.79
73	MP3C	X	-21.047	2.79
74	MP3C	Z	-36.455	2.79
75	MP3C	Mx	-.018	2.79
76	M100	X	-53.388	1
77	M100	Z	-92.471	1
78	M100	Mx	0	1
79	MP4A	X	-68.964	.5
80	MP4A	Z	-119.448	.5
81	MP4A	Mx	.034	.5
82	MP4A	X	-68.964	5.08
83	MP4A	Z	-119.448	5.08
84	MP4A	Mx	.034	5.08
85	MP4B	X	-42.691	.5
86	MP4B	Z	-73.943	.5
87	MP4B	Mx	-.043	.5
88	MP4B	X	-42.691	5.08
89	MP4B	Z	-73.943	5.08
90	MP4B	Mx	-.043	5.08
91	MP4C	X	-68.964	.5
92	MP4C	Z	-119.448	.5
93	MP4C	Mx	.034	.5
94	MP4C	X	-68.964	5.08
95	MP4C	Z	-119.448	5.08
96	MP4C	Mx	.034	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	0	.25
2	MP3C	Z	-9.992	.25
3	MP3C	Mx	0	.25
4	MP3A	X	0	.5
5	MP3A	Z	-31.045	.5
6	MP3A	Mx	.028	.5
7	MP3A	X	0	5.08
8	MP3A	Z	-31.045	5.08
9	MP3A	Mx	.028	5.08
10	MP3B	X	0	.5
11	MP3B	Z	-36.695	.5
12	MP3B	Mx	-.000539	.5
13	MP3B	X	0	5.08
14	MP3B	Z	-36.695	5.08



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

	Member Label	Direction	Magnitude[lb, k-ft]	Location[ft, %]
15	MP3B	Mx	-.000539	5.08
16	MP3C	X	0	.5
17	MP3C	Z	-40.673	.5
18	MP3C	Mx	-.031	.5
19	MP3C	X	0	5.08
20	MP3C	Z	-40.673	5.08
21	MP3C	Mx	-.031	5.08
22	MP3A	X	0	.5
23	MP3A	Z	-31.045	.5
24	MP3A	Mx	.028	.5
25	MP3A	X	0	5.08
26	MP3A	Z	-31.045	5.08
27	MP3A	Mx	.028	5.08
28	MP3B	X	0	.5
29	MP3B	Z	-36.695	.5
30	MP3B	Mx	-.043	.5
31	MP3B	X	0	5.08
32	MP3B	Z	-36.695	5.08
33	MP3B	Mx	-.043	5.08
34	MP3C	X	0	.5
35	MP3C	Z	-40.673	.5
36	MP3C	Mx	.031	.5
37	MP3C	X	0	5.08
38	MP3C	Z	-40.673	5.08
39	MP3C	Mx	.031	5.08
40	MP1A	X	0	1.79
41	MP1A	Z	-9.037	1.79
42	MP1A	Mx	.005	1.79
43	MP1A	X	0	3.79
44	MP1A	Z	-9.037	3.79
45	MP1A	Mx	.005	3.79
46	MP1B	X	0	1.79
47	MP1B	Z	-15.688	1.79
48	MP1B	Mx	-.005	1.79
49	MP1B	X	0	3.79
50	MP1B	Z	-15.688	3.79
51	MP1B	Mx	-.005	3.79
52	MP1C	X	0	1.79
53	MP1C	Z	-20.371	1.79
54	MP1C	Mx	0	1.79
55	MP1C	X	0	3.79
56	MP1C	Z	-20.371	3.79
57	MP1C	Mx	0	3.79
58	MP2A	X	0	2.79
59	MP2A	Z	-12.497	2.79
60	MP2A	Mx	-.006	2.79
61	MP2B	X	0	2.79
62	MP2B	Z	-15.511	2.79
63	MP2B	Mx	.005	2.79
64	MP2C	X	0	2.79
65	MP2C	Z	-17.633	2.79
66	MP2C	Mx	0	2.79
67	MP3A	X	0	2.79
68	MP3A	Z	-10.546	2.79
69	MP3A	Mx	-.005	2.79
70	MP3B	X	0	2.79
71	MP3B	Z	-10.546	2.79





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP3B	Mx	-.005	2.79
73	MP3C	X	0	2.79
74	MP3C	Z	-10.546	2.79
75	MP3C	Mx	-.005	2.79
76	M100	X	0	1
77	M100	Z	-23.135	1
78	M100	Mx	0	1
79	MP4A	X	0	.5
80	MP4A	Z	-22.427	.5
81	MP4A	Mx	.01	.5
82	MP4A	X	0	5.08
83	MP4A	Z	-22.427	5.08
84	MP4A	Mx	.01	5.08
85	MP4B	X	0	.5
86	MP4B	Z	-22.427	.5
87	MP4B	Mx	-.01	.5
88	MP4B	X	0	5.08
89	MP4B	Z	-22.427	5.08
90	MP4B	Mx	-.01	5.08
91	MP4C	X	0	.5
92	MP4C	Z	-31.922	.5
93	MP4C	Mx	0	.5
94	MP4C	X	0	5.08
95	MP4C	Z	-31.922	5.08
96	MP4C	Mx	0	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	4.292	.25
2	MP3C	Z	-7.434	.25
3	MP3C	Mx	.002	.25
4	MP3A	X	16.726	.5
5	MP3A	Z	-28.97	.5
6	MP3A	Mx	.015	.5
7	MP3A	X	16.726	5.08
8	MP3A	Z	-28.97	5.08
9	MP3A	Mx	.015	5.08
10	MP3B	X	20.191	.5
11	MP3B	Z	-34.973	.5
12	MP3B	Mx	.023	.5
13	MP3B	X	20.191	5.08
14	MP3B	Z	-34.973	5.08
15	MP3B	Mx	.023	5.08
16	MP3C	X	19.133	.5
17	MP3C	Z	-33.139	.5
18	MP3C	Mx	-.042	.5
19	MP3C	X	19.133	5.08
20	MP3C	Z	-33.139	5.08
21	MP3C	Mx	-.042	5.08
22	MP3A	X	16.726	.5
23	MP3A	Z	-28.97	.5
24	MP3A	Mx	.038	.5
25	MP3A	X	16.726	5.08
26	MP3A	Z	-28.97	5.08
27	MP3A	Mx	.038	5.08
28	MP3B	X	20.191	.5

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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
29	MP3B	Z	-34.973	.5
30	MP3B	Mx	-.036	.5
31	MP3B	X	20.191	5.08
32	MP3B	Z	-34.973	5.08
33	MP3B	Mx	-.036	5.08
34	MP3C	X	19.133	.5
35	MP3C	Z	-33.139	.5
36	MP3C	Mx	.007	.5
37	MP3C	X	19.133	5.08
38	MP3C	Z	-33.139	5.08
39	MP3C	Mx	.007	5.08
40	MP1A	X	5.935	1.79
41	MP1A	Z	-10.28	1.79
42	MP1A	Mx	.005	1.79
43	MP1A	X	5.935	3.79
44	MP1A	Z	-10.28	3.79
45	MP1A	Mx	.005	3.79
46	MP1B	X	10.015	1.79
47	MP1B	Z	-17.346	1.79
48	MP1B	Mx	-.002	1.79
49	MP1B	X	10.015	3.79
50	MP1B	Z	-17.346	3.79
51	MP1B	Mx	-.002	3.79
52	MP1C	X	8.769	1.79
53	MP1C	Z	-15.188	1.79
54	MP1C	Mx	-.004	1.79
55	MP1C	X	8.769	3.79
56	MP1C	Z	-15.188	3.79
57	MP1C	Mx	-.004	3.79
58	MP2A	X	6.891	2.79
59	MP2A	Z	-11.935	2.79
60	MP2A	Mx	-.006	2.79
61	MP2B	X	8.739	2.79
62	MP2B	Z	-15.136	2.79
63	MP2B	Mx	.002	2.79
64	MP2C	X	8.174	2.79
65	MP2C	Z	-14.158	2.79
66	MP2C	Mx	.004	2.79
67	MP3A	X	6.159	2.79
68	MP3A	Z	-10.667	2.79
69	MP3A	Mx	-.005	2.79
70	MP3B	X	6.159	2.79
71	MP3B	Z	-10.667	2.79
72	MP3B	Mx	-.005	2.79
73	MP3C	X	6.159	2.79
74	MP3C	Z	-10.667	2.79
75	MP3C	Mx	-.005	2.79
76	M100	X	12.828	1
77	M100	Z	-22.218	1
78	M100	Mx	0	1
79	MP4A	X	9.631	.5
80	MP4A	Z	-16.681	.5
81	MP4A	Mx	.01	.5
82	MP4A	X	9.631	5.08
83	MP4A	Z	-16.681	5.08
84	MP4A	Mx	.01	5.08
85	MP4B	X	14.379	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP4B	Z	-24.904	.5
87	MP4B	Mx	-.007	.5
88	MP4B	X	14.379	5.08
89	MP4B	Z	-24.904	5.08
90	MP4B	Mx	-.007	5.08
91	MP4C	X	14.379	.5
92	MP4C	Z	-24.904	.5
93	MP4C	Mx	-.007	.5
94	MP4C	X	14.379	5.08
95	MP4C	Z	-24.904	5.08
96	MP4C	Mx	-.007	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	4.995	.25
2	MP3C	Z	-2.884	.25
3	MP3C	Mx	.002	.25
4	MP3A	X	33.139	.5
5	MP3A	Z	-19.133	.5
6	MP3A	Mx	-.006	.5
7	MP3A	X	33.139	5.08
8	MP3A	Z	-19.133	5.08
9	MP3A	Mx	-.006	5.08
10	MP3B	X	34.249	.5
11	MP3B	Z	-19.773	.5
12	MP3B	Mx	.04	.5
13	MP3B	X	34.249	5.08
14	MP3B	Z	-19.773	5.08
15	MP3B	Mx	.04	5.08
16	MP3C	X	28.97	.5
17	MP3C	Z	-16.726	.5
18	MP3C	Mx	-.039	.5
19	MP3C	X	28.97	5.08
20	MP3C	Z	-16.726	5.08
21	MP3C	Mx	-.039	5.08
22	MP3A	X	33.139	.5
23	MP3A	Z	-19.133	.5
24	MP3A	Mx	.041	.5
25	MP3A	X	33.139	5.08
26	MP3A	Z	-19.133	5.08
27	MP3A	Mx	.041	5.08
28	MP3B	X	34.249	.5
29	MP3B	Z	-19.773	.5
30	MP3B	Mx	-.015	.5
31	MP3B	X	34.249	5.08
32	MP3B	Z	-19.773	5.08
33	MP3B	Mx	-.015	5.08
34	MP3C	X	28.97	.5
35	MP3C	Z	-16.726	.5
36	MP3C	Mx	-.014	.5
37	MP3C	X	28.97	5.08
38	MP3C	Z	-16.726	5.08
39	MP3C	Mx	-.014	5.08
40	MP1A	X	15.188	1.79
41	MP1A	Z	-8.769	1.79
42	MP1A	Mx	.004	1.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP1A	X	15.188	3.79
44	MP1A	Z	-8.769	3.79
45	MP1A	Mx	.004	3.79
46	MP1B	X	16.494	1.79
47	MP1B	Z	-9.523	1.79
48	MP1B	Mx	.003	1.79
49	MP1B	X	16.494	3.79
50	MP1B	Z	-9.523	3.79
51	MP1B	Mx	.003	3.79
52	MP1C	X	10.28	1.79
53	MP1C	Z	-5.935	1.79
54	MP1C	Mx	-.005	1.79
55	MP1C	X	10.28	3.79
56	MP1C	Z	-5.935	3.79
57	MP1C	Mx	-.005	3.79
58	MP2A	X	14.158	2.79
59	MP2A	Z	-8.174	2.79
60	MP2A	Mx	-.004	2.79
61	MP2B	X	14.75	2.79
62	MP2B	Z	-8.516	2.79
63	MP2B	Mx	-.003	2.79
64	MP2C	X	11.935	2.79
65	MP2C	Z	-6.891	2.79
66	MP2C	Mx	.006	2.79
67	MP3A	X	13.736	2.79
68	MP3A	Z	-7.93	2.79
69	MP3A	Mx	-.004	2.79
70	MP3B	X	13.736	2.79
71	MP3B	Z	-7.93	2.79
72	MP3B	Mx	-.004	2.79
73	MP3C	X	13.736	2.79
74	MP3C	Z	-7.93	2.79
75	MP3C	Mx	-.004	2.79
76	M100	X	26.583	1
77	M100	Z	-15.348	1
78	M100	Mx	0	1
79	MP4A	X	19.422	.5
80	MP4A	Z	-11.213	.5
81	MP4A	Mx	.01	.5
82	MP4A	X	19.422	5.08
83	MP4A	Z	-11.213	5.08
84	MP4A	Mx	.01	5.08
85	MP4B	X	27.646	.5
86	MP4B	Z	-15.961	.5
87	MP4B	Mx	0	.5
88	MP4B	X	27.646	5.08
89	MP4B	Z	-15.961	5.08
90	MP4B	Mx	0	5.08
91	MP4C	X	19.422	.5
92	MP4C	Z	-11.213	.5
93	MP4C	Mx	-.01	.5
94	MP4C	X	19.422	5.08
95	MP4C	Z	-11.213	5.08
96	MP4C	Mx	-.01	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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**Member Point Loads (BLC 18 : Antenna Wi (90 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	4.359	.25
2	MP3C	Z	0	.25
3	MP3C	Mx	.002	.25
4	MP3A	X	40.673	.5
5	MP3A	Z	0	.5
6	MP3A	Mx	-.029	.5
7	MP3A	X	40.673	5.08
8	MP3A	Z	0	5.08
9	MP3A	Mx	-.029	5.08
10	MP3B	X	35.023	.5
11	MP3B	Z	0	.5
12	MP3B	Mx	.041	.5
13	MP3B	X	35.023	5.08
14	MP3B	Z	0	5.08
15	MP3B	Mx	.041	5.08
16	MP3C	X	31.045	.5
17	MP3C	Z	0	.5
18	MP3C	Mx	-.028	.5
19	MP3C	X	31.045	5.08
20	MP3C	Z	0	5.08
21	MP3C	Mx	-.028	5.08
22	MP3A	X	40.673	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	.029	.5
25	MP3A	X	40.673	5.08
26	MP3A	Z	0	5.08
27	MP3A	Mx	.029	5.08
28	MP3B	X	35.023	.5
29	MP3B	Z	0	.5
30	MP3B	Mx	.008	.5
31	MP3B	X	35.023	5.08
32	MP3B	Z	0	5.08
33	MP3B	Mx	.008	5.08
34	MP3C	X	31.045	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	-.028	.5
37	MP3C	X	31.045	5.08
38	MP3C	Z	0	5.08
39	MP3C	Mx	-.028	5.08
40	MP1A	X	20.371	1.79
41	MP1A	Z	0	1.79
42	MP1A	Mx	0	1.79
43	MP1A	X	20.371	3.79
44	MP1A	Z	0	3.79
45	MP1A	Mx	0	3.79
46	MP1B	X	13.72	1.79
47	MP1B	Z	0	1.79
48	MP1B	Mx	.005	1.79
49	MP1B	X	13.72	3.79
50	MP1B	Z	0	3.79
51	MP1B	Mx	.005	3.79
52	MP1C	X	9.037	1.79
53	MP1C	Z	0	1.79
54	MP1C	Mx	-.005	1.79
55	MP1C	X	9.037	3.79
56	MP1C	Z	0	3.79
57	MP1C	Mx	-.005	3.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP2A	X	17.633	2.79
59	MP2A	Z	0	2.79
60	MP2A	Mx	0	2.79
61	MP2B	X	14.619	2.79
62	MP2B	Z	0	2.79
63	MP2B	Mx	-.006	2.79
64	MP2C	X	12.497	2.79
65	MP2C	Z	0	2.79
66	MP2C	Mx	.006	2.79
67	MP3A	X	17.633	2.79
68	MP3A	Z	0	2.79
69	MP3A	Mx	0	2.79
70	MP3B	X	17.633	2.79
71	MP3B	Z	0	2.79
72	MP3B	Mx	0	2.79
73	MP3C	X	17.633	2.79
74	MP3C	Z	0	2.79
75	MP3C	Mx	0	2.79
76	M100	X	33.216	1
77	M100	Z	0	1
78	M100	Mx	0	1
79	MP4A	X	28.757	.5
80	MP4A	Z	0	.5
81	MP4A	Mx	.007	.5
82	MP4A	X	28.757	5.08
83	MP4A	Z	0	5.08
84	MP4A	Mx	.007	5.08
85	MP4B	X	28.757	.5
86	MP4B	Z	0	.5
87	MP4B	Mx	.007	.5
88	MP4B	X	28.757	5.08
89	MP4B	Z	0	5.08
90	MP4B	Mx	.007	5.08
91	MP4C	X	19.262	.5
92	MP4C	Z	0	.5
93	MP4C	Mx	-.01	.5
94	MP4C	X	19.262	5.08
95	MP4C	Z	0	5.08
96	MP4C	Mx	-.01	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	4.995	.25
2	MP3C	Z	2.884	.25
3	MP3C	Mx	.002	.25
4	MP3A	X	33.139	.5
5	MP3A	Z	19.133	.5
6	MP3A	Mx	-.041	.5
7	MP3A	X	33.139	5.08
8	MP3A	Z	19.133	5.08
9	MP3A	Mx	-.041	5.08
10	MP3B	X	27.137	.5
11	MP3B	Z	15.668	.5
12	MP3B	Mx	.032	.5
13	MP3B	X	27.137	5.08
14	MP3B	Z	15.668	5.08



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP3B	Mx	.032	5.08
16	MP3C	X	28.97	.5
17	MP3C	Z	16.726	.5
18	MP3C	Mx	-.014	.5
19	MP3C	X	28.97	5.08
20	MP3C	Z	16.726	5.08
21	MP3C	Mx	-.014	5.08
22	MP3A	X	33.139	.5
23	MP3A	Z	19.133	.5
24	MP3A	Mx	.006	.5
25	MP3A	X	33.139	5.08
26	MP3A	Z	19.133	5.08
27	MP3A	Mx	.006	5.08
28	MP3B	X	27.137	.5
29	MP3B	Z	15.668	.5
30	MP3B	Mx	.024	.5
31	MP3B	X	27.137	5.08
32	MP3B	Z	15.668	5.08
33	MP3B	Mx	.024	5.08
34	MP3C	X	28.97	.5
35	MP3C	Z	16.726	.5
36	MP3C	Mx	-.039	.5
37	MP3C	X	28.97	5.08
38	MP3C	Z	16.726	5.08
39	MP3C	Mx	-.039	5.08
40	MP1A	X	15.188	1.79
41	MP1A	Z	8.769	1.79
42	MP1A	Mx	-.004	1.79
43	MP1A	X	15.188	3.79
44	MP1A	Z	8.769	3.79
45	MP1A	Mx	-.004	3.79
46	MP1B	X	8.122	1.79
47	MP1B	Z	4.689	1.79
48	MP1B	Mx	.005	1.79
49	MP1B	X	8.122	3.79
50	MP1B	Z	4.689	3.79
51	MP1B	Mx	.005	3.79
52	MP1C	X	10.28	1.79
53	MP1C	Z	5.935	1.79
54	MP1C	Mx	-.005	1.79
55	MP1C	X	10.28	3.79
56	MP1C	Z	5.935	3.79
57	MP1C	Mx	-.005	3.79
58	MP2A	X	14.158	2.79
59	MP2A	Z	8.174	2.79
60	MP2A	Mx	.004	2.79
61	MP2B	X	10.957	2.79
62	MP2B	Z	6.326	2.79
63	MP2B	Mx	-.006	2.79
64	MP2C	X	11.935	2.79
65	MP2C	Z	6.891	2.79
66	MP2C	Mx	.006	2.79
67	MP3A	X	13.736	2.79
68	MP3A	Z	7.93	2.79
69	MP3A	Mx	.004	2.79
70	MP3B	X	13.736	2.79
71	MP3B	Z	7.93	2.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP3B	Mx	.004	2.79
73	MP3C	X	13.736	2.79
74	MP3C	Z	7.93	2.79
75	MP3C	Mx	.004	2.79
76	M100	X	26.583	1
77	M100	Z	15.348	1
78	M100	Mx	0	1
79	MP4A	X	27.646	.5
80	MP4A	Z	15.961	.5
81	MP4A	Mx	0	.5
82	MP4A	X	27.646	5.08
83	MP4A	Z	15.961	5.08
84	MP4A	Mx	0	5.08
85	MP4B	X	19.422	.5
86	MP4B	Z	11.213	.5
87	MP4B	Mx	.01	.5
88	MP4B	X	19.422	5.08
89	MP4B	Z	11.213	5.08
90	MP4B	Mx	.01	5.08
91	MP4C	X	19.422	.5
92	MP4C	Z	11.213	.5
93	MP4C	Mx	-.01	.5
94	MP4C	X	19.422	5.08
95	MP4C	Z	11.213	5.08
96	MP4C	Mx	-.01	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	4.292	.25
2	MP3C	Z	7.434	.25
3	MP3C	Mx	.002	.25
4	MP3A	X	16.726	.5
5	MP3A	Z	28.97	.5
6	MP3A	Mx	-.038	.5
7	MP3A	X	16.726	5.08
8	MP3A	Z	28.97	5.08
9	MP3A	Mx	-.038	5.08
10	MP3B	X	16.086	.5
11	MP3B	Z	27.861	.5
12	MP3B	Mx	.019	.5
13	MP3B	X	16.086	5.08
14	MP3B	Z	27.861	5.08
15	MP3B	Mx	.019	5.08
16	MP3C	X	19.133	.5
17	MP3C	Z	33.139	.5
18	MP3C	Mx	.007	.5
19	MP3C	X	19.133	5.08
20	MP3C	Z	33.139	5.08
21	MP3C	Mx	.007	5.08
22	MP3A	X	16.726	.5
23	MP3A	Z	28.97	.5
24	MP3A	Mx	-.015	.5
25	MP3A	X	16.726	5.08
26	MP3A	Z	28.97	5.08
27	MP3A	Mx	-.015	5.08
28	MP3B	X	16.086	.5





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
29	MP3B	Z	27.861	.5
30	MP3B	Mx	.036	.5
31	MP3B	X	16.086	5.08
32	MP3B	Z	27.861	5.08
33	MP3B	Mx	.036	5.08
34	MP3C	X	19.133	.5
35	MP3C	Z	33.139	.5
36	MP3C	Mx	-.042	.5
37	MP3C	X	19.133	5.08
38	MP3C	Z	33.139	5.08
39	MP3C	Mx	-.042	5.08
40	MP1A	X	5.935	1.79
41	MP1A	Z	10.28	1.79
42	MP1A	Mx	-.005	1.79
43	MP1A	X	5.935	3.79
44	MP1A	Z	10.28	3.79
45	MP1A	Mx	-.005	3.79
46	MP1B	X	5.181	1.79
47	MP1B	Z	8.974	1.79
48	MP1B	Mx	.005	1.79
49	MP1B	X	5.181	3.79
50	MP1B	Z	8.974	3.79
51	MP1B	Mx	.005	3.79
52	MP1C	X	8.769	1.79
53	MP1C	Z	15.188	1.79
54	MP1C	Mx	-.004	1.79
55	MP1C	X	8.769	3.79
56	MP1C	Z	15.188	3.79
57	MP1C	Mx	-.004	3.79
58	MP2A	X	6.891	2.79
59	MP2A	Z	11.935	2.79
60	MP2A	Mx	.006	2.79
61	MP2B	X	6.549	2.79
62	MP2B	Z	11.343	2.79
63	MP2B	Mx	-.006	2.79
64	MP2C	X	8.174	2.79
65	MP2C	Z	14.158	2.79
66	MP2C	Mx	.004	2.79
67	MP3A	X	6.159	2.79
68	MP3A	Z	10.667	2.79
69	MP3A	Mx	.005	2.79
70	MP3B	X	6.159	2.79
71	MP3B	Z	10.667	2.79
72	MP3B	Mx	.005	2.79
73	MP3C	X	6.159	2.79
74	MP3C	Z	10.667	2.79
75	MP3C	Mx	.005	2.79
76	M100	X	12.828	1
77	M100	Z	22.218	1
78	M100	Mx	0	1
79	MP4A	X	14.379	.5
80	MP4A	Z	24.904	.5
81	MP4A	Mx	-.007	.5
82	MP4A	X	14.379	5.08
83	MP4A	Z	24.904	5.08
84	MP4A	Mx	-.007	5.08
85	MP4B	X	9.631	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP4B	Z	16.681	.5
87	MP4B	Mx	.01	.5
88	MP4B	X	9.631	5.08
89	MP4B	Z	16.681	5.08
90	MP4B	Mx	.01	5.08
91	MP4C	X	14.379	.5
92	MP4C	Z	24.904	.5
93	MP4C	Mx	-.007	.5
94	MP4C	X	14.379	5.08
95	MP4C	Z	24.904	5.08
96	MP4C	Mx	-.007	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	0	.25
2	MP3C	Z	9.992	.25
3	MP3C	Mx	0	.25
4	MP3A	X	0	.5
5	MP3A	Z	31.045	.5
6	MP3A	Mx	-.028	.5
7	MP3A	X	0	5.08
8	MP3A	Z	31.045	5.08
9	MP3A	Mx	-.028	5.08
10	MP3B	X	0	.5
11	MP3B	Z	36.695	.5
12	MP3B	Mx	.000539	.5
13	MP3B	X	0	5.08
14	MP3B	Z	36.695	5.08
15	MP3B	Mx	.000539	5.08
16	MP3C	X	0	.5
17	MP3C	Z	40.673	.5
18	MP3C	Mx	.031	.5
19	MP3C	X	0	5.08
20	MP3C	Z	40.673	5.08
21	MP3C	Mx	.031	5.08
22	MP3A	X	0	.5
23	MP3A	Z	31.045	.5
24	MP3A	Mx	-.028	.5
25	MP3A	X	0	5.08
26	MP3A	Z	31.045	5.08
27	MP3A	Mx	-.028	5.08
28	MP3B	X	0	.5
29	MP3B	Z	36.695	.5
30	MP3B	Mx	.043	.5
31	MP3B	X	0	5.08
32	MP3B	Z	36.695	5.08
33	MP3B	Mx	.043	5.08
34	MP3C	X	0	.5
35	MP3C	Z	40.673	.5
36	MP3C	Mx	-.031	.5
37	MP3C	X	0	5.08
38	MP3C	Z	40.673	5.08
39	MP3C	Mx	-.031	5.08
40	MP1A	X	0	1.79
41	MP1A	Z	9.037	1.79
42	MP1A	Mx	-.005	1.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
43	MP1A	X	0	3.79
44	MP1A	Z	9.037	3.79
45	MP1A	Mx	-.005	3.79
46	MP1B	X	0	1.79
47	MP1B	Z	15.688	1.79
48	MP1B	Mx	.005	1.79
49	MP1B	X	0	3.79
50	MP1B	Z	15.688	3.79
51	MP1B	Mx	.005	3.79
52	MP1C	X	0	1.79
53	MP1C	Z	20.371	1.79
54	MP1C	Mx	0	1.79
55	MP1C	X	0	3.79
56	MP1C	Z	20.371	3.79
57	MP1C	Mx	0	3.79
58	MP2A	X	0	2.79
59	MP2A	Z	12.497	2.79
60	MP2A	Mx	.006	2.79
61	MP2B	X	0	2.79
62	MP2B	Z	15.511	2.79
63	MP2B	Mx	-.005	2.79
64	MP2C	X	0	2.79
65	MP2C	Z	17.633	2.79
66	MP2C	Mx	0	2.79
67	MP3A	X	0	2.79
68	MP3A	Z	10.546	2.79
69	MP3A	Mx	.005	2.79
70	MP3B	X	0	2.79
71	MP3B	Z	10.546	2.79
72	MP3B	Mx	.005	2.79
73	MP3C	X	0	2.79
74	MP3C	Z	10.546	2.79
75	MP3C	Mx	.005	2.79
76	M100	X	0	1
77	M100	Z	23.135	1
78	M100	Mx	0	1
79	MP4A	X	0	.5
80	MP4A	Z	22.427	.5
81	MP4A	Mx	-.01	.5
82	MP4A	X	0	5.08
83	MP4A	Z	22.427	5.08
84	MP4A	Mx	-.01	5.08
85	MP4B	X	0	.5
86	MP4B	Z	22.427	.5
87	MP4B	Mx	.01	.5
88	MP4B	X	0	5.08
89	MP4B	Z	22.427	5.08
90	MP4B	Mx	.01	5.08
91	MP4C	X	0	.5
92	MP4C	Z	31.922	.5
93	MP4C	Mx	0	.5
94	MP4C	X	0	5.08
95	MP4C	Z	31.922	5.08
96	MP4C	Mx	0	5.08

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



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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
1	MP3C	X	-4.292	.25
2	MP3C	Z	7.434	.25
3	MP3C	Mx	-.002	.25
4	MP3A	X	-16.726	.5
5	MP3A	Z	28.97	.5
6	MP3A	Mx	-.015	.5
7	MP3A	X	-16.726	5.08
8	MP3A	Z	28.97	5.08
9	MP3A	Mx	-.015	5.08
10	MP3B	X	-20.191	.5
11	MP3B	Z	34.973	.5
12	MP3B	Mx	-.023	.5
13	MP3B	X	-20.191	5.08
14	MP3B	Z	34.973	5.08
15	MP3B	Mx	-.023	5.08
16	MP3C	X	-19.133	.5
17	MP3C	Z	33.139	.5
18	MP3C	Mx	.042	.5
19	MP3C	X	-19.133	5.08
20	MP3C	Z	33.139	5.08
21	MP3C	Mx	.042	5.08
22	MP3A	X	-16.726	.5
23	MP3A	Z	28.97	.5
24	MP3A	Mx	-.038	.5
25	MP3A	X	-16.726	5.08
26	MP3A	Z	28.97	5.08
27	MP3A	Mx	-.038	5.08
28	MP3B	X	-20.191	.5
29	MP3B	Z	34.973	.5
30	MP3B	Mx	.036	.5
31	MP3B	X	-20.191	5.08
32	MP3B	Z	34.973	5.08
33	MP3B	Mx	.036	5.08
34	MP3C	X	-19.133	.5
35	MP3C	Z	33.139	.5
36	MP3C	Mx	-.007	.5
37	MP3C	X	-19.133	5.08
38	MP3C	Z	33.139	5.08
39	MP3C	Mx	-.007	5.08
40	MP1A	X	-5.935	1.79
41	MP1A	Z	10.28	1.79
42	MP1A	Mx	-.005	1.79
43	MP1A	X	-5.935	3.79
44	MP1A	Z	10.28	3.79
45	MP1A	Mx	-.005	3.79
46	MP1B	X	-10.015	1.79
47	MP1B	Z	17.346	1.79
48	MP1B	Mx	.002	1.79
49	MP1B	X	-10.015	3.79
50	MP1B	Z	17.346	3.79
51	MP1B	Mx	.002	3.79
52	MP1C	X	-8.769	1.79
53	MP1C	Z	15.188	1.79
54	MP1C	Mx	.004	1.79
55	MP1C	X	-8.769	3.79
56	MP1C	Z	15.188	3.79
57	MP1C	Mx	.004	3.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP2A	X	-6.891	2.79
59	MP2A	Z	11.935	2.79
60	MP2A	Mx	.006	2.79
61	MP2B	X	-8.739	2.79
62	MP2B	Z	15.136	2.79
63	MP2B	Mx	-.002	2.79
64	MP2C	X	-8.174	2.79
65	MP2C	Z	14.158	2.79
66	MP2C	Mx	-.004	2.79
67	MP3A	X	-6.159	2.79
68	MP3A	Z	10.667	2.79
69	MP3A	Mx	.005	2.79
70	MP3B	X	-6.159	2.79
71	MP3B	Z	10.667	2.79
72	MP3B	Mx	.005	2.79
73	MP3C	X	-6.159	2.79
74	MP3C	Z	10.667	2.79
75	MP3C	Mx	.005	2.79
76	M100	X	-12.828	1
77	M100	Z	22.218	1
78	M100	Mx	0	1
79	MP4A	X	-9.631	.5
80	MP4A	Z	16.681	.5
81	MP4A	Mx	-.01	.5
82	MP4A	X	-9.631	5.08
83	MP4A	Z	16.681	5.08
84	MP4A	Mx	-.01	5.08
85	MP4B	X	-14.379	.5
86	MP4B	Z	24.904	.5
87	MP4B	Mx	.007	.5
88	MP4B	X	-14.379	5.08
89	MP4B	Z	24.904	5.08
90	MP4B	Mx	.007	5.08
91	MP4C	X	-14.379	.5
92	MP4C	Z	24.904	.5
93	MP4C	Mx	.007	.5
94	MP4C	X	-14.379	5.08
95	MP4C	Z	24.904	5.08
96	MP4C	Mx	.007	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	-4.995	.25
2	MP3C	Z	2.884	.25
3	MP3C	Mx	-.002	.25
4	MP3A	X	-33.139	.5
5	MP3A	Z	19.133	.5
6	MP3A	Mx	.006	.5
7	MP3A	X	-33.139	5.08
8	MP3A	Z	19.133	5.08
9	MP3A	Mx	.006	5.08
10	MP3B	X	-34.249	.5
11	MP3B	Z	19.773	.5
12	MP3B	Mx	-.04	.5
13	MP3B	X	-34.249	5.08
14	MP3B	Z	19.773	5.08



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP3B	Mx	- .04	5.08
16	MP3C	X	-28.97	.5
17	MP3C	Z	16.726	.5
18	MP3C	Mx	.039	.5
19	MP3C	X	-28.97	5.08
20	MP3C	Z	16.726	5.08
21	MP3C	Mx	.039	5.08
22	MP3A	X	-33.139	.5
23	MP3A	Z	19.133	.5
24	MP3A	Mx	-.041	.5
25	MP3A	X	-33.139	5.08
26	MP3A	Z	19.133	5.08
27	MP3A	Mx	-.041	5.08
28	MP3B	X	-34.249	.5
29	MP3B	Z	19.773	.5
30	MP3B	Mx	.015	.5
31	MP3B	X	-34.249	5.08
32	MP3B	Z	19.773	5.08
33	MP3B	Mx	.015	5.08
34	MP3C	X	-28.97	.5
35	MP3C	Z	16.726	.5
36	MP3C	Mx	.014	.5
37	MP3C	X	-28.97	5.08
38	MP3C	Z	16.726	5.08
39	MP3C	Mx	.014	5.08
40	MP1A	X	-15.188	1.79
41	MP1A	Z	8.769	1.79
42	MP1A	Mx	-.004	1.79
43	MP1A	X	-15.188	3.79
44	MP1A	Z	8.769	3.79
45	MP1A	Mx	-.004	3.79
46	MP1B	X	-16.494	1.79
47	MP1B	Z	9.523	1.79
48	MP1B	Mx	-.003	1.79
49	MP1B	X	-16.494	3.79
50	MP1B	Z	9.523	3.79
51	MP1B	Mx	-.003	3.79
52	MP1C	X	-10.28	1.79
53	MP1C	Z	5.935	1.79
54	MP1C	Mx	.005	1.79
55	MP1C	X	-10.28	3.79
56	MP1C	Z	5.935	3.79
57	MP1C	Mx	.005	3.79
58	MP2A	X	-14.158	2.79
59	MP2A	Z	8.174	2.79
60	MP2A	Mx	.004	2.79
61	MP2B	X	-14.75	2.79
62	MP2B	Z	8.516	2.79
63	MP2B	Mx	.003	2.79
64	MP2C	X	-11.935	2.79
65	MP2C	Z	6.891	2.79
66	MP2C	Mx	-.006	2.79
67	MP3A	X	-13.736	2.79
68	MP3A	Z	7.93	2.79
69	MP3A	Mx	.004	2.79
70	MP3B	X	-13.736	2.79
71	MP3B	Z	7.93	2.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP3B	Mx	.004	2.79
73	MP3C	X	-13.736	2.79
74	MP3C	Z	7.93	2.79
75	MP3C	Mx	.004	2.79
76	M100	X	-26.583	1
77	M100	Z	15.348	1
78	M100	Mx	0	1
79	MP4A	X	-19.422	.5
80	MP4A	Z	11.213	.5
81	MP4A	Mx	-.01	.5
82	MP4A	X	-19.422	5.08
83	MP4A	Z	11.213	5.08
84	MP4A	Mx	-.01	5.08
85	MP4B	X	-27.646	.5
86	MP4B	Z	15.961	.5
87	MP4B	Mx	0	.5
88	MP4B	X	-27.646	5.08
89	MP4B	Z	15.961	5.08
90	MP4B	Mx	0	5.08
91	MP4C	X	-19.422	.5
92	MP4C	Z	11.213	.5
93	MP4C	Mx	.01	.5
94	MP4C	X	-19.422	5.08
95	MP4C	Z	11.213	5.08
96	MP4C	Mx	.01	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	-4.359	.25
2	MP3C	Z	0	.25
3	MP3C	Mx	-.002	.25
4	MP3A	X	-40.673	.5
5	MP3A	Z	0	.5
6	MP3A	Mx	.029	.5
7	MP3A	X	-40.673	5.08
8	MP3A	Z	0	5.08
9	MP3A	Mx	.029	5.08
10	MP3B	X	-35.023	.5
11	MP3B	Z	0	.5
12	MP3B	Mx	-.041	.5
13	MP3B	X	-35.023	5.08
14	MP3B	Z	0	5.08
15	MP3B	Mx	-.041	5.08
16	MP3C	X	-31.045	.5
17	MP3C	Z	0	.5
18	MP3C	Mx	.028	.5
19	MP3C	X	-31.045	5.08
20	MP3C	Z	0	5.08
21	MP3C	Mx	.028	5.08
22	MP3A	X	-40.673	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	-.029	.5
25	MP3A	X	-40.673	5.08
26	MP3A	Z	0	5.08
27	MP3A	Mx	-.029	5.08
28	MP3B	X	-35.023	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3B	Z	0	.5
30	MP3B	Mx	-.008	.5
31	MP3B	X	-35.023	5.08
32	MP3B	Z	0	5.08
33	MP3B	Mx	-.008	5.08
34	MP3C	X	-31.045	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	.028	.5
37	MP3C	X	-31.045	5.08
38	MP3C	Z	0	5.08
39	MP3C	Mx	.028	5.08
40	MP1A	X	-20.371	1.79
41	MP1A	Z	0	1.79
42	MP1A	Mx	0	1.79
43	MP1A	X	-20.371	3.79
44	MP1A	Z	0	3.79
45	MP1A	Mx	0	3.79
46	MP1B	X	-13.72	1.79
47	MP1B	Z	0	1.79
48	MP1B	Mx	-.005	1.79
49	MP1B	X	-13.72	3.79
50	MP1B	Z	0	3.79
51	MP1B	Mx	-.005	3.79
52	MP1C	X	-9.037	1.79
53	MP1C	Z	0	1.79
54	MP1C	Mx	.005	1.79
55	MP1C	X	-9.037	3.79
56	MP1C	Z	0	3.79
57	MP1C	Mx	.005	3.79
58	MP2A	X	-17.633	2.79
59	MP2A	Z	0	2.79
60	MP2A	Mx	0	2.79
61	MP2B	X	-14.619	2.79
62	MP2B	Z	0	2.79
63	MP2B	Mx	.006	2.79
64	MP2C	X	-12.497	2.79
65	MP2C	Z	0	2.79
66	MP2C	Mx	-.006	2.79
67	MP3A	X	-17.633	2.79
68	MP3A	Z	0	2.79
69	MP3A	Mx	0	2.79
70	MP3B	X	-17.633	2.79
71	MP3B	Z	0	2.79
72	MP3B	Mx	0	2.79
73	MP3C	X	-17.633	2.79
74	MP3C	Z	0	2.79
75	MP3C	Mx	0	2.79
76	M100	X	-33.216	1
77	M100	Z	0	1
78	M100	Mx	0	1
79	MP4A	X	-28.757	.5
80	MP4A	Z	0	.5
81	MP4A	Mx	-.007	.5
82	MP4A	X	-28.757	5.08
83	MP4A	Z	0	5.08
84	MP4A	Mx	-.007	5.08
85	MP4B	X	-28.757	.5





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP4B	Z	0	.5
87	MP4B	Mx	-.007	.5
88	MP4B	X	-28.757	5.08
89	MP4B	Z	0	5.08
90	MP4B	Mx	-.007	5.08
91	MP4C	X	-19.262	.5
92	MP4C	Z	0	.5
93	MP4C	Mx	.01	.5
94	MP4C	X	-19.262	5.08
95	MP4C	Z	0	5.08
96	MP4C	Mx	.01	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	-4.995	.25
2	MP3C	Z	-2.884	.25
3	MP3C	Mx	-.002	.25
4	MP3A	X	-33.139	.5
5	MP3A	Z	-19.133	.5
6	MP3A	Mx	.041	.5
7	MP3A	X	-33.139	5.08
8	MP3A	Z	-19.133	5.08
9	MP3A	Mx	.041	5.08
10	MP3B	X	-27.137	.5
11	MP3B	Z	-15.668	.5
12	MP3B	Mx	-.032	.5
13	MP3B	X	-27.137	5.08
14	MP3B	Z	-15.668	5.08
15	MP3B	Mx	-.032	5.08
16	MP3C	X	-28.97	.5
17	MP3C	Z	-16.726	.5
18	MP3C	Mx	.014	.5
19	MP3C	X	-28.97	5.08
20	MP3C	Z	-16.726	5.08
21	MP3C	Mx	.014	5.08
22	MP3A	X	-33.139	.5
23	MP3A	Z	-19.133	.5
24	MP3A	Mx	-.006	.5
25	MP3A	X	-33.139	5.08
26	MP3A	Z	-19.133	5.08
27	MP3A	Mx	-.006	5.08
28	MP3B	X	-27.137	.5
29	MP3B	Z	-15.668	.5
30	MP3B	Mx	-.024	.5
31	MP3B	X	-27.137	5.08
32	MP3B	Z	-15.668	5.08
33	MP3B	Mx	-.024	5.08
34	MP3C	X	-28.97	.5
35	MP3C	Z	-16.726	.5
36	MP3C	Mx	.039	.5
37	MP3C	X	-28.97	5.08
38	MP3C	Z	-16.726	5.08
39	MP3C	Mx	.039	5.08
40	MP1A	X	-15.188	1.79
41	MP1A	Z	-8.769	1.79
42	MP1A	Mx	.004	1.79



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

	Member Label	Direction	Magnitude[ib.k-ft]	Location[ft.%]
43	MP1A	X	-15.188	3.79
44	MP1A	Z	-8.769	3.79
45	MP1A	Mx	.004	3.79
46	MP1B	X	-8.122	1.79
47	MP1B	Z	-4.689	1.79
48	MP1B	Mx	-.005	1.79
49	MP1B	X	-8.122	3.79
50	MP1B	Z	-4.689	3.79
51	MP1B	Mx	-.005	3.79
52	MP1C	X	-10.28	1.79
53	MP1C	Z	-5.935	1.79
54	MP1C	Mx	.005	1.79
55	MP1C	X	-10.28	3.79
56	MP1C	Z	-5.935	3.79
57	MP1C	Mx	.005	3.79
58	MP2A	X	-14.158	2.79
59	MP2A	Z	-8.174	2.79
60	MP2A	Mx	-.004	2.79
61	MP2B	X	-10.957	2.79
62	MP2B	Z	-6.326	2.79
63	MP2B	Mx	.006	2.79
64	MP2C	X	-11.935	2.79
65	MP2C	Z	-6.891	2.79
66	MP2C	Mx	-.006	2.79
67	MP3A	X	-13.736	2.79
68	MP3A	Z	-7.93	2.79
69	MP3A	Mx	-.004	2.79
70	MP3B	X	-13.736	2.79
71	MP3B	Z	-7.93	2.79
72	MP3B	Mx	-.004	2.79
73	MP3C	X	-13.736	2.79
74	MP3C	Z	-7.93	2.79
75	MP3C	Mx	-.004	2.79
76	M100	X	-26.583	1
77	M100	Z	-15.348	1
78	M100	Mx	0	1
79	MP4A	X	-27.646	.5
80	MP4A	Z	-15.961	.5
81	MP4A	Mx	0	.5
82	MP4A	X	-27.646	5.08
83	MP4A	Z	-15.961	5.08
84	MP4A	Mx	0	5.08
85	MP4B	X	-19.422	.5
86	MP4B	Z	-11.213	.5
87	MP4B	Mx	-.01	.5
88	MP4B	X	-19.422	5.08
89	MP4B	Z	-11.213	5.08
90	MP4B	Mx	-.01	5.08
91	MP4C	X	-19.422	.5
92	MP4C	Z	-11.213	.5
93	MP4C	Mx	.01	.5
94	MP4C	X	-19.422	5.08
95	MP4C	Z	-11.213	5.08
96	MP4C	Mx	.01	5.08

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

	Member Label	Direction	Magnitude[ib.k-ft]	Location[ft.%]
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**Member Point Loads (BLC 26 : Antenna Wi (330 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	-4.292	.25
2	MP3C	Z	-7.434	.25
3	MP3C	Mx	-.002	.25
4	MP3A	X	-16.726	.5
5	MP3A	Z	-28.97	.5
6	MP3A	Mx	.038	.5
7	MP3A	X	-16.726	5.08
8	MP3A	Z	-28.97	5.08
9	MP3A	Mx	.038	5.08
10	MP3B	X	-16.086	.5
11	MP3B	Z	-27.861	.5
12	MP3B	Mx	-.019	.5
13	MP3B	X	-16.086	5.08
14	MP3B	Z	-27.861	5.08
15	MP3B	Mx	-.019	5.08
16	MP3C	X	-19.133	.5
17	MP3C	Z	-33.139	.5
18	MP3C	Mx	-.007	.5
19	MP3C	X	-19.133	5.08
20	MP3C	Z	-33.139	5.08
21	MP3C	Mx	-.007	5.08
22	MP3A	X	-16.726	.5
23	MP3A	Z	-28.97	.5
24	MP3A	Mx	.015	.5
25	MP3A	X	-16.726	5.08
26	MP3A	Z	-28.97	5.08
27	MP3A	Mx	.015	5.08
28	MP3B	X	-16.086	.5
29	MP3B	Z	-27.861	.5
30	MP3B	Mx	-.036	.5
31	MP3B	X	-16.086	5.08
32	MP3B	Z	-27.861	5.08
33	MP3B	Mx	-.036	5.08
34	MP3C	X	-19.133	.5
35	MP3C	Z	-33.139	.5
36	MP3C	Mx	.042	.5
37	MP3C	X	-19.133	5.08
38	MP3C	Z	-33.139	5.08
39	MP3C	Mx	.042	5.08
40	MP1A	X	-5.935	1.79
41	MP1A	Z	-10.28	1.79
42	MP1A	Mx	.005	1.79
43	MP1A	X	-5.935	3.79
44	MP1A	Z	-10.28	3.79
45	MP1A	Mx	.005	3.79
46	MP1B	X	-5.181	1.79
47	MP1B	Z	-8.974	1.79
48	MP1B	Mx	-.005	1.79
49	MP1B	X	-5.181	3.79
50	MP1B	Z	-8.974	3.79
51	MP1B	Mx	-.005	3.79
52	MP1C	X	-8.769	1.79
53	MP1C	Z	-15.188	1.79
54	MP1C	Mx	.004	1.79
55	MP1C	X	-8.769	3.79
56	MP1C	Z	-15.188	3.79
57	MP1C	Mx	.004	3.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP2A	X	-6.891	2.79
59	MP2A	Z	-11.935	2.79
60	MP2A	Mx	-.006	2.79
61	MP2B	X	-6.549	2.79
62	MP2B	Z	-11.343	2.79
63	MP2B	Mx	.006	2.79
64	MP2C	X	-8.174	2.79
65	MP2C	Z	-14.158	2.79
66	MP2C	Mx	-.004	2.79
67	MP3A	X	-6.159	2.79
68	MP3A	Z	-10.667	2.79
69	MP3A	Mx	-.005	2.79
70	MP3B	X	-6.159	2.79
71	MP3B	Z	-10.667	2.79
72	MP3B	Mx	-.005	2.79
73	MP3C	X	-6.159	2.79
74	MP3C	Z	-10.667	2.79
75	MP3C	Mx	-.005	2.79
76	M100	X	-12.828	1
77	M100	Z	-22.218	1
78	M100	Mx	0	1
79	MP4A	X	-14.379	.5
80	MP4A	Z	-24.904	.5
81	MP4A	Mx	.007	.5
82	MP4A	X	-14.379	5.08
83	MP4A	Z	-24.904	5.08
84	MP4A	Mx	.007	5.08
85	MP4B	X	-9.631	.5
86	MP4B	Z	-16.681	.5
87	MP4B	Mx	-.01	.5
88	MP4B	X	-9.631	5.08
89	MP4B	Z	-16.681	5.08
90	MP4B	Mx	-.01	5.08
91	MP4C	X	-14.379	.5
92	MP4C	Z	-24.904	.5
93	MP4C	Mx	.007	.5
94	MP4C	X	-14.379	5.08
95	MP4C	Z	-24.904	5.08
96	MP4C	Mx	.007	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	0	.25
2	MP3C	Z	-2.506	.25
3	MP3C	Mx	0	.25
4	MP3A	X	0	.5
5	MP3A	Z	-4.62	.5
6	MP3A	Mx	.004	.5
7	MP3A	X	0	5.08
8	MP3A	Z	-4.62	5.08
9	MP3A	Mx	.004	5.08
10	MP3B	X	0	.5
11	MP3B	Z	-5.531	.5
12	MP3B	Mx	-8.1e-5	.5
13	MP3B	X	0	5.08
14	MP3B	Z	-5.531	5.08



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
15	MP3B	Mx	-8.1e-5	5.08
16	MP3C	X	0	.5
17	MP3C	Z	-6.173	.5
18	MP3C	Mx	-.005	.5
19	MP3C	X	0	5.08
20	MP3C	Z	-6.173	5.08
21	MP3C	Mx	-.005	5.08
22	MP3A	X	0	.5
23	MP3A	Z	-4.62	.5
24	MP3A	Mx	.004	.5
25	MP3A	X	0	5.08
26	MP3A	Z	-4.62	5.08
27	MP3A	Mx	.004	5.08
28	MP3B	X	0	.5
29	MP3B	Z	-5.531	.5
30	MP3B	Mx	-.006	.5
31	MP3B	X	0	5.08
32	MP3B	Z	-5.531	5.08
33	MP3B	Mx	-.006	5.08
34	MP3C	X	0	.5
35	MP3C	Z	-6.173	.5
36	MP3C	Mx	.005	.5
37	MP3C	X	0	5.08
38	MP3C	Z	-6.173	5.08
39	MP3C	Mx	.005	5.08
40	MP1A	X	0	1.79
41	MP1A	Z	-1.762	1.79
42	MP1A	Mx	.000881	1.79
43	MP1A	X	0	3.79
44	MP1A	Z	-1.762	3.79
45	MP1A	Mx	.000881	3.79
46	MP1B	X	0	1.79
47	MP1B	Z	-3.73	1.79
48	MP1B	Mx	-.001	1.79
49	MP1B	X	0	3.79
50	MP1B	Z	-3.73	3.79
51	MP1B	Mx	-.001	3.79
52	MP1C	X	0	1.79
53	MP1C	Z	-5.116	1.79
54	MP1C	Mx	0	1.79
55	MP1C	X	0	3.79
56	MP1C	Z	-5.116	3.79
57	MP1C	Mx	0	3.79
58	MP2A	X	0	2.79
59	MP2A	Z	-2.714	2.79
60	MP2A	Mx	-.001	2.79
61	MP2B	X	0	2.79
62	MP2B	Z	-3.496	2.79
63	MP2B	Mx	.001	2.79
64	MP2C	X	0	2.79
65	MP2C	Z	-4.046	2.79
66	MP2C	Mx	0	2.79
67	MP3A	X	0	2.79
68	MP3A	Z	-2.219	2.79
69	MP3A	Mx	-.001	2.79
70	MP3B	X	0	2.79
71	MP3B	Z	-2.219	2.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP3B	Mx	-0.001	2.79
73	MP3C	X	0	2.79
74	MP3C	Z	-2.219	2.79
75	MP3C	Mx	-0.001	2.79
76	M100	X	0	1
77	M100	Z	-6.29	1
78	M100	Mx	0	1
79	MP4A	X	0	.5
80	MP4A	Z	-6.54	.5
81	MP4A	Mx	.003	.5
82	MP4A	X	0	5.08
83	MP4A	Z	-6.54	5.08
84	MP4A	Mx	.003	5.08
85	MP4B	X	0	.5
86	MP4B	Z	-6.54	.5
87	MP4B	Mx	-.003	.5
88	MP4B	X	0	5.08
89	MP4B	Z	-6.54	5.08
90	MP4B	Mx	-.003	5.08
91	MP4C	X	0	.5
92	MP4C	Z	-9.879	.5
93	MP4C	Mx	0	.5
94	MP4C	X	0	5.08
95	MP4C	Z	-9.879	5.08
96	MP4C	Mx	0	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	1.042	.25
2	MP3C	Z	-1.806	.25
3	MP3C	Mx	.000521	.25
4	MP3A	X	2.504	.5
5	MP3A	Z	-4.337	.5
6	MP3A	Mx	.002	.5
7	MP3A	X	2.504	5.08
8	MP3A	Z	-4.337	5.08
9	MP3A	Mx	.002	5.08
10	MP3B	X	3.063	.5
11	MP3B	Z	-5.305	.5
12	MP3B	Mx	.004	.5
13	MP3B	X	3.063	5.08
14	MP3B	Z	-5.305	5.08
15	MP3B	Mx	.004	5.08
16	MP3C	X	2.892	.5
17	MP3C	Z	-5.01	.5
18	MP3C	Mx	-.006	.5
19	MP3C	X	2.892	5.08
20	MP3C	Z	-5.01	5.08
21	MP3C	Mx	-.006	5.08
22	MP3A	X	2.504	.5
23	MP3A	Z	-4.337	.5
24	MP3A	Mx	.006	.5
25	MP3A	X	2.504	5.08
26	MP3A	Z	-4.337	5.08
27	MP3A	Mx	.006	5.08
28	MP3B	X	3.063	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3B	Z	-5.305	.5
30	MP3B	Mx	-.005	.5
31	MP3B	X	3.063	5.08
32	MP3B	Z	-5.305	5.08
33	MP3B	Mx	-.005	5.08
34	MP3C	X	2.892	.5
35	MP3C	Z	-5.01	.5
36	MP3C	Mx	.001	.5
37	MP3C	X	2.892	5.08
38	MP3C	Z	-5.01	5.08
39	MP3C	Mx	.001	5.08
40	MP1A	X	1.3	1.79
41	MP1A	Z	-2.252	1.79
42	MP1A	Mx	.001	1.79
43	MP1A	X	1.3	3.79
44	MP1A	Z	-2.252	3.79
45	MP1A	Mx	.001	3.79
46	MP1B	X	2.507	1.79
47	MP1B	Z	-4.343	1.79
48	MP1B	Mx	-.000436	1.79
49	MP1B	X	2.507	3.79
50	MP1B	Z	-4.343	3.79
51	MP1B	Mx	-.000436	3.79
52	MP1C	X	2.139	1.79
53	MP1C	Z	-3.704	1.79
54	MP1C	Mx	-.001	1.79
55	MP1C	X	2.139	3.79
56	MP1C	Z	-3.704	3.79
57	MP1C	Mx	-.001	3.79
58	MP2A	X	1.524	2.79
59	MP2A	Z	-2.639	2.79
60	MP2A	Mx	-.001	2.79
61	MP2B	X	2.003	2.79
62	MP2B	Z	-3.469	2.79
63	MP2B	Mx	.000348	2.79
64	MP2C	X	1.856	2.79
65	MP2C	Z	-3.215	2.79
66	MP2C	Mx	.000928	2.79
67	MP3A	X	1.338	2.79
68	MP3A	Z	-2.317	2.79
69	MP3A	Mx	-.001	2.79
70	MP3B	X	1.338	2.79
71	MP3B	Z	-2.317	2.79
72	MP3B	Mx	-.001	2.79
73	MP3C	X	1.338	2.79
74	MP3C	Z	-2.317	2.79
75	MP3C	Mx	-.001	2.79
76	M100	X	3.393	1
77	M100	Z	-5.877	1
78	M100	Mx	0	1
79	MP4A	X	2.713	.5
80	MP4A	Z	-4.699	.5
81	MP4A	Mx	.003	.5
82	MP4A	X	2.713	5.08
83	MP4A	Z	-4.699	5.08
84	MP4A	Mx	.003	5.08
85	MP4B	X	4.383	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP4B	Z	-7.592	.5
87	MP4B	Mx	-.002	.5
88	MP4B	X	4.383	5.08
89	MP4B	Z	-7.592	5.08
90	MP4B	Mx	-.002	5.08
91	MP4C	X	4.383	.5
92	MP4C	Z	-7.592	.5
93	MP4C	Mx	-.002	.5
94	MP4C	X	4.383	5.08
95	MP4C	Z	-7.592	5.08
96	MP4C	Mx	-.002	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	1.077	.25
2	MP3C	Z	-.622	.25
3	MP3C	Mx	.000538	.25
4	MP3A	X	5.01	.5
5	MP3A	Z	-2.892	.5
6	MP3A	Mx	-.000898	.5
7	MP3A	X	5.01	5.08
8	MP3A	Z	-2.892	5.08
9	MP3A	Mx	-.000898	5.08
10	MP3B	X	5.188	.5
11	MP3B	Z	-2.996	.5
12	MP3B	Mx	.006	.5
13	MP3B	X	5.188	5.08
14	MP3B	Z	-2.996	5.08
15	MP3B	Mx	.006	5.08
16	MP3C	X	4.337	.5
17	MP3C	Z	-2.504	.5
18	MP3C	Mx	-.006	.5
19	MP3C	X	4.337	5.08
20	MP3C	Z	-2.504	5.08
21	MP3C	Mx	-.006	5.08
22	MP3A	X	5.01	.5
23	MP3A	Z	-2.892	.5
24	MP3A	Mx	.006	.5
25	MP3A	X	5.01	5.08
26	MP3A	Z	-2.892	5.08
27	MP3A	Mx	.006	5.08
28	MP3B	X	5.188	.5
29	MP3B	Z	-2.996	.5
30	MP3B	Mx	-.002	.5
31	MP3B	X	5.188	5.08
32	MP3B	Z	-2.996	5.08
33	MP3B	Mx	-.002	5.08
34	MP3C	X	4.337	.5
35	MP3C	Z	-2.504	.5
36	MP3C	Mx	-.002	.5
37	MP3C	X	4.337	5.08
38	MP3C	Z	-2.504	5.08
39	MP3C	Mx	-.002	5.08
40	MP1A	X	3.704	1.79
41	MP1A	Z	-2.139	1.79
42	MP1A	Mx	.001	1.79





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP1A	X	3.704	3.79
44	MP1A	Z	-2.139	3.79
45	MP1A	Mx	.001	3.79
46	MP1B	X	4.091	1.79
47	MP1B	Z	-2.362	1.79
48	MP1B	Mx	.000808	1.79
49	MP1B	X	4.091	3.79
50	MP1B	Z	-2.362	3.79
51	MP1B	Mx	.000808	3.79
52	MP1C	X	2.252	1.79
53	MP1C	Z	-1.3	1.79
54	MP1C	Mx	-.001	1.79
55	MP1C	X	2.252	3.79
56	MP1C	Z	-1.3	3.79
57	MP1C	Mx	-.001	3.79
58	MP2A	X	3.215	2.79
59	MP2A	Z	-1.856	2.79
60	MP2A	Mx	-.000928	2.79
61	MP2B	X	3.369	2.79
62	MP2B	Z	-1.945	2.79
63	MP2B	Mx	-.000665	2.79
64	MP2C	X	2.639	2.79
65	MP2C	Z	-1.524	2.79
66	MP2C	Mx	.001	2.79
67	MP3A	X	3.108	2.79
68	MP3A	Z	-1.794	2.79
69	MP3A	Mx	-.000897	2.79
70	MP3B	X	3.108	2.79
71	MP3B	Z	-1.794	2.79
72	MP3B	Mx	-.000897	2.79
73	MP3C	X	3.108	2.79
74	MP3C	Z	-1.794	2.79
75	MP3C	Mx	-.000897	2.79
76	M100	X	6.736	1
77	M100	Z	-3.889	1
78	M100	Mx	0	1
79	MP4A	X	5.663	.5
80	MP4A	Z	-3.27	.5
81	MP4A	Mx	.003	.5
82	MP4A	X	5.663	5.08
83	MP4A	Z	-3.27	5.08
84	MP4A	Mx	.003	5.08
85	MP4B	X	8.556	.5
86	MP4B	Z	-4.94	.5
87	MP4B	Mx	0	.5
88	MP4B	X	8.556	5.08
89	MP4B	Z	-4.94	5.08
90	MP4B	Mx	0	5.08
91	MP4C	X	5.663	.5
92	MP4C	Z	-3.27	.5
93	MP4C	Mx	-.003	.5
94	MP4C	X	5.663	5.08
95	MP4C	Z	-3.27	5.08
96	MP4C	Mx	-.003	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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**Member Point Loads (BLC 30 : Antenna Wm (90 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	.823	.25
2	MP3C	Z	0	.25
3	MP3C	Mx	.000412	.25
4	MP3A	X	6.173	.5
5	MP3A	Z	0	.5
6	MP3A	Mx	-.004	.5
7	MP3A	X	6.173	5.08
8	MP3A	Z	0	5.08
9	MP3A	Mx	-.004	5.08
10	MP3B	X	5.261	.5
11	MP3B	Z	0	.5
12	MP3B	Mx	.006	.5
13	MP3B	X	5.261	5.08
14	MP3B	Z	0	5.08
15	MP3B	Mx	.006	5.08
16	MP3C	X	4.62	.5
17	MP3C	Z	0	.5
18	MP3C	Mx	-.004	.5
19	MP3C	X	4.62	5.08
20	MP3C	Z	0	5.08
21	MP3C	Mx	-.004	5.08
22	MP3A	X	6.173	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	.004	.5
25	MP3A	X	6.173	5.08
26	MP3A	Z	0	5.08
27	MP3A	Mx	.004	5.08
28	MP3B	X	5.261	.5
29	MP3B	Z	0	.5
30	MP3B	Mx	.001	.5
31	MP3B	X	5.261	5.08
32	MP3B	Z	0	5.08
33	MP3B	Mx	.001	5.08
34	MP3C	X	4.62	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	-.004	.5
37	MP3C	X	4.62	5.08
38	MP3C	Z	0	5.08
39	MP3C	Mx	-.004	5.08
40	MP1A	X	5.116	1.79
41	MP1A	Z	0	1.79
42	MP1A	Mx	0	1.79
43	MP1A	X	5.116	3.79
44	MP1A	Z	0	3.79
45	MP1A	Mx	0	3.79
46	MP1B	X	3.148	1.79
47	MP1B	Z	0	1.79
48	MP1B	Mx	.001	1.79
49	MP1B	X	3.148	3.79
50	MP1B	Z	0	3.79
51	MP1B	Mx	.001	3.79
52	MP1C	X	1.762	1.79
53	MP1C	Z	0	1.79
54	MP1C	Mx	-.000881	1.79
55	MP1C	X	1.762	3.79
56	MP1C	Z	0	3.79
57	MP1C	Mx	-.000881	3.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
58	MP2A	X	4.046	2.79
59	MP2A	Z	0	2.79
60	MP2A	Mx	0	2.79
61	MP2B	X	3.264	2.79
62	MP2B	Z	0	2.79
63	MP2B	Mx	-.001	2.79
64	MP2C	X	2.714	2.79
65	MP2C	Z	0	2.79
66	MP2C	Mx	.001	2.79
67	MP3A	X	4.046	2.79
68	MP3A	Z	0	2.79
69	MP3A	Mx	0	2.79
70	MP3B	X	4.046	2.79
71	MP3B	Z	0	2.79
72	MP3B	Mx	0	2.79
73	MP3C	X	4.046	2.79
74	MP3C	Z	0	2.79
75	MP3C	Mx	0	2.79
76	M100	X	8.274	1
77	M100	Z	0	1
78	M100	Mx	0	1
79	MP4A	X	8.766	.5
80	MP4A	Z	0	.5
81	MP4A	Mx	.002	.5
82	MP4A	X	8.766	5.08
83	MP4A	Z	0	5.08
84	MP4A	Mx	.002	5.08
85	MP4B	X	8.766	.5
86	MP4B	Z	0	.5
87	MP4B	Mx	.002	.5
88	MP4B	X	8.766	5.08
89	MP4B	Z	0	5.08
90	MP4B	Mx	.002	5.08
91	MP4C	X	5.426	.5
92	MP4C	Z	0	.5
93	MP4C	Mx	-.003	.5
94	MP4C	X	5.426	5.08
95	MP4C	Z	0	5.08
96	MP4C	Mx	-.003	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3C	X	1.077	.25
2	MP3C	Z	.622	.25
3	MP3C	Mx	.000538	.25
4	MP3A	X	5.01	.5
5	MP3A	Z	2.892	.5
6	MP3A	Mx	-.006	.5
7	MP3A	X	5.01	5.08
8	MP3A	Z	2.892	5.08
9	MP3A	Mx	-.006	5.08
10	MP3B	X	4.041	.5
11	MP3B	Z	2.333	.5
12	MP3B	Mx	.005	.5
13	MP3B	X	4.041	5.08
14	MP3B	Z	2.333	5.08



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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
15	MP3B	Mx	.005	5.08
16	MP3C	X	4.337	.5
17	MP3C	Z	2.504	.5
18	MP3C	Mx	-.002	.5
19	MP3C	X	4.337	5.08
20	MP3C	Z	2.504	5.08
21	MP3C	Mx	-.002	5.08
22	MP3A	X	5.01	.5
23	MP3A	Z	2.892	.5
24	MP3A	Mx	.000898	.5
25	MP3A	X	5.01	5.08
26	MP3A	Z	2.892	5.08
27	MP3A	Mx	.000898	5.08
28	MP3B	X	4.041	.5
29	MP3B	Z	2.333	.5
30	MP3B	Mx	.004	.5
31	MP3B	X	4.041	5.08
32	MP3B	Z	2.333	5.08
33	MP3B	Mx	.004	5.08
34	MP3C	X	4.337	.5
35	MP3C	Z	2.504	.5
36	MP3C	Mx	-.006	.5
37	MP3C	X	4.337	5.08
38	MP3C	Z	2.504	5.08
39	MP3C	Mx	-.006	5.08
40	MP1A	X	3.704	1.79
41	MP1A	Z	2.139	1.79
42	MP1A	Mx	-.001	1.79
43	MP1A	X	3.704	3.79
44	MP1A	Z	2.139	3.79
45	MP1A	Mx	-.001	3.79
46	MP1B	X	1.613	1.79
47	MP1B	Z	.931	1.79
48	MP1B	Mx	.000917	1.79
49	MP1B	X	1.613	3.79
50	MP1B	Z	.931	3.79
51	MP1B	Mx	.000917	3.79
52	MP1C	X	2.252	1.79
53	MP1C	Z	1.3	1.79
54	MP1C	Mx	-.001	1.79
55	MP1C	X	2.252	3.79
56	MP1C	Z	1.3	3.79
57	MP1C	Mx	-.001	3.79
58	MP2A	X	3.215	2.79
59	MP2A	Z	1.856	2.79
60	MP2A	Mx	.000928	2.79
61	MP2B	X	2.386	2.79
62	MP2B	Z	1.377	2.79
63	MP2B	Mx	-.001	2.79
64	MP2C	X	2.639	2.79
65	MP2C	Z	1.524	2.79
66	MP2C	Mx	.001	2.79
67	MP3A	X	3.108	2.79
68	MP3A	Z	1.794	2.79
69	MP3A	Mx	.000897	2.79
70	MP3B	X	3.108	2.79
71	MP3B	Z	1.794	2.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP3B	Mx	.000897	2.79
73	MP3C	X	3.108	2.79
74	MP3C	Z	1.794	2.79
75	MP3C	Mx	.000897	2.79
76	M100	X	6.736	1
77	M100	Z	3.889	1
78	M100	Mx	0	1
79	MP4A	X	8.556	.5
80	MP4A	Z	4.94	.5
81	MP4A	Mx	0	.5
82	MP4A	X	8.556	5.08
83	MP4A	Z	4.94	5.08
84	MP4A	Mx	0	5.08
85	MP4B	X	5.663	.5
86	MP4B	Z	3.27	.5
87	MP4B	Mx	.003	.5
88	MP4B	X	5.663	5.08
89	MP4B	Z	3.27	5.08
90	MP4B	Mx	.003	5.08
91	MP4C	X	5.663	.5
92	MP4C	Z	3.27	.5
93	MP4C	Mx	-.003	.5
94	MP4C	X	5.663	5.08
95	MP4C	Z	3.27	5.08
96	MP4C	Mx	-.003	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	1.042	.25
2	MP3C	Z	1.806	.25
3	MP3C	Mx	.000521	.25
4	MP3A	X	2.504	.5
5	MP3A	Z	4.337	.5
6	MP3A	Mx	-.006	.5
7	MP3A	X	2.504	5.08
8	MP3A	Z	4.337	5.08
9	MP3A	Mx	-.006	5.08
10	MP3B	X	2.401	.5
11	MP3B	Z	4.158	.5
12	MP3B	Mx	.003	.5
13	MP3B	X	2.401	5.08
14	MP3B	Z	4.158	5.08
15	MP3B	Mx	.003	5.08
16	MP3C	X	2.892	.5
17	MP3C	Z	5.01	.5
18	MP3C	Mx	.001	.5
19	MP3C	X	2.892	5.08
20	MP3C	Z	5.01	5.08
21	MP3C	Mx	.001	5.08
22	MP3A	X	2.504	.5
23	MP3A	Z	4.337	.5
24	MP3A	Mx	-.002	.5
25	MP3A	X	2.504	5.08
26	MP3A	Z	4.337	5.08
27	MP3A	Mx	-.002	5.08
28	MP3B	X	2.401	.5



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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
29	MP3B	Z	4.158	.5
30	MP3B	Mx	.005	.5
31	MP3B	X	2.401	5.08
32	MP3B	Z	4.158	5.08
33	MP3B	Mx	.005	5.08
34	MP3C	X	2.892	.5
35	MP3C	Z	5.01	.5
36	MP3C	Mx	-.006	.5
37	MP3C	X	2.892	5.08
38	MP3C	Z	5.01	5.08
39	MP3C	Mx	-.006	5.08
40	MP1A	X	1.3	1.79
41	MP1A	Z	2.252	1.79
42	MP1A	Mx	-.001	1.79
43	MP1A	X	1.3	3.79
44	MP1A	Z	2.252	3.79
45	MP1A	Mx	-.001	3.79
46	MP1B	X	1.077	1.79
47	MP1B	Z	1.866	1.79
48	MP1B	Mx	.001	1.79
49	MP1B	X	1.077	3.79
50	MP1B	Z	1.866	3.79
51	MP1B	Mx	.001	3.79
52	MP1C	X	2.139	1.79
53	MP1C	Z	3.704	1.79
54	MP1C	Mx	-.001	1.79
55	MP1C	X	2.139	3.79
56	MP1C	Z	3.704	3.79
57	MP1C	Mx	-.001	3.79
58	MP2A	X	1.524	2.79
59	MP2A	Z	2.639	2.79
60	MP2A	Mx	.001	2.79
61	MP2B	X	1.435	2.79
62	MP2B	Z	2.486	2.79
63	MP2B	Mx	-.001	2.79
64	MP2C	X	1.856	2.79
65	MP2C	Z	3.215	2.79
66	MP2C	Mx	.000928	2.79
67	MP3A	X	1.338	2.79
68	MP3A	Z	2.317	2.79
69	MP3A	Mx	.001	2.79
70	MP3B	X	1.338	2.79
71	MP3B	Z	2.317	2.79
72	MP3B	Mx	.001	2.79
73	MP3C	X	1.338	2.79
74	MP3C	Z	2.317	2.79
75	MP3C	Mx	.001	2.79
76	M100	X	3.393	1
77	M100	Z	5.877	1
78	M100	Mx	0	1
79	MP4A	X	4.383	.5
80	MP4A	Z	7.592	.5
81	MP4A	Mx	-.002	.5
82	MP4A	X	4.383	5.08
83	MP4A	Z	7.592	5.08
84	MP4A	Mx	-.002	5.08
85	MP4B	X	2.713	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP4B	Z	4.699	.5
87	MP4B	Mx	.003	.5
88	MP4B	X	2.713	5.08
89	MP4B	Z	4.699	5.08
90	MP4B	Mx	.003	5.08
91	MP4C	X	4.383	.5
92	MP4C	Z	7.592	.5
93	MP4C	Mx	-.002	.5
94	MP4C	X	4.383	5.08
95	MP4C	Z	7.592	5.08
96	MP4C	Mx	-.002	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	0	.25
2	MP3C	Z	2.506	.25
3	MP3C	Mx	0	.25
4	MP3A	X	0	.5
5	MP3A	Z	4.62	.5
6	MP3A	Mx	-.004	.5
7	MP3A	X	0	5.08
8	MP3A	Z	4.62	5.08
9	MP3A	Mx	-.004	5.08
10	MP3B	X	0	.5
11	MP3B	Z	5.531	.5
12	MP3B	Mx	8.1e-5	.5
13	MP3B	X	0	5.08
14	MP3B	Z	5.531	5.08
15	MP3B	Mx	8.1e-5	5.08
16	MP3C	X	0	.5
17	MP3C	Z	6.173	.5
18	MP3C	Mx	.005	.5
19	MP3C	X	0	5.08
20	MP3C	Z	6.173	5.08
21	MP3C	Mx	.005	5.08
22	MP3A	X	0	.5
23	MP3A	Z	4.62	.5
24	MP3A	Mx	-.004	.5
25	MP3A	X	0	5.08
26	MP3A	Z	4.62	5.08
27	MP3A	Mx	-.004	5.08
28	MP3B	X	0	.5
29	MP3B	Z	5.531	.5
30	MP3B	Mx	.006	.5
31	MP3B	X	0	5.08
32	MP3B	Z	5.531	5.08
33	MP3B	Mx	.006	5.08
34	MP3C	X	0	.5
35	MP3C	Z	6.173	.5
36	MP3C	Mx	-.005	.5
37	MP3C	X	0	5.08
38	MP3C	Z	6.173	5.08
39	MP3C	Mx	-.005	5.08
40	MP1A	X	0	1.79
41	MP1A	Z	1.762	1.79
42	MP1A	Mx	-.000881	1.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP1A	X	0	3.79
44	MP1A	Z	1.762	3.79
45	MP1A	Mx	-.000881	3.79
46	MP1B	X	0	1.79
47	MP1B	Z	3.73	1.79
48	MP1B	Mx	.001	1.79
49	MP1B	X	0	3.79
50	MP1B	Z	3.73	3.79
51	MP1B	Mx	.001	3.79
52	MP1C	X	0	1.79
53	MP1C	Z	5.116	1.79
54	MP1C	Mx	0	1.79
55	MP1C	X	0	3.79
56	MP1C	Z	5.116	3.79
57	MP1C	Mx	0	3.79
58	MP2A	X	0	2.79
59	MP2A	Z	2.714	2.79
60	MP2A	Mx	.001	2.79
61	MP2B	X	0	2.79
62	MP2B	Z	3.496	2.79
63	MP2B	Mx	-.001	2.79
64	MP2C	X	0	2.79
65	MP2C	Z	4.046	2.79
66	MP2C	Mx	0	2.79
67	MP3A	X	0	2.79
68	MP3A	Z	2.219	2.79
69	MP3A	Mx	.001	2.79
70	MP3B	X	0	2.79
71	MP3B	Z	2.219	2.79
72	MP3B	Mx	.001	2.79
73	MP3C	X	0	2.79
74	MP3C	Z	2.219	2.79
75	MP3C	Mx	.001	2.79
76	M100	X	0	1
77	M100	Z	6.29	1
78	M100	Mx	0	1
79	MP4A	X	0	.5
80	MP4A	Z	6.54	.5
81	MP4A	Mx	-.003	.5
82	MP4A	X	0	5.08
83	MP4A	Z	6.54	5.08
84	MP4A	Mx	-.003	5.08
85	MP4B	X	0	.5
86	MP4B	Z	6.54	.5
87	MP4B	Mx	.003	.5
88	MP4B	X	0	5.08
89	MP4B	Z	6.54	5.08
90	MP4B	Mx	.003	5.08
91	MP4C	X	0	.5
92	MP4C	Z	9.879	.5
93	MP4C	Mx	0	.5
94	MP4C	X	0	5.08
95	MP4C	Z	9.879	5.08
96	MP4C	Mx	0	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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**Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3C	X	-1.042	.25
2	MP3C	Z	1.806	.25
3	MP3C	Mx	-0.00521	.25
4	MP3A	X	-2.504	.5
5	MP3A	Z	4.337	.5
6	MP3A	Mx	-.002	.5
7	MP3A	X	-2.504	5.08
8	MP3A	Z	4.337	5.08
9	MP3A	Mx	-.002	5.08
10	MP3B	X	-3.063	.5
11	MP3B	Z	5.305	.5
12	MP3B	Mx	-.004	.5
13	MP3B	X	-3.063	5.08
14	MP3B	Z	5.305	5.08
15	MP3B	Mx	-.004	5.08
16	MP3C	X	-2.892	.5
17	MP3C	Z	5.01	.5
18	MP3C	Mx	.006	.5
19	MP3C	X	-2.892	5.08
20	MP3C	Z	5.01	5.08
21	MP3C	Mx	.006	5.08
22	MP3A	X	-2.504	.5
23	MP3A	Z	4.337	.5
24	MP3A	Mx	-.006	.5
25	MP3A	X	-2.504	5.08
26	MP3A	Z	4.337	5.08
27	MP3A	Mx	-.006	5.08
28	MP3B	X	-3.063	.5
29	MP3B	Z	5.305	.5
30	MP3B	Mx	.005	.5
31	MP3B	X	-3.063	5.08
32	MP3B	Z	5.305	5.08
33	MP3B	Mx	.005	5.08
34	MP3C	X	-2.892	.5
35	MP3C	Z	5.01	.5
36	MP3C	Mx	-.001	.5
37	MP3C	X	-2.892	5.08
38	MP3C	Z	5.01	5.08
39	MP3C	Mx	-.001	5.08
40	MP1A	X	-1.3	1.79
41	MP1A	Z	2.252	1.79
42	MP1A	Mx	-.001	1.79
43	MP1A	X	-1.3	3.79
44	MP1A	Z	2.252	3.79
45	MP1A	Mx	-.001	3.79
46	MP1B	X	-2.507	1.79
47	MP1B	Z	4.343	1.79
48	MP1B	Mx	.000436	1.79
49	MP1B	X	-2.507	3.79
50	MP1B	Z	4.343	3.79
51	MP1B	Mx	.000436	3.79
52	MP1C	X	-2.139	1.79
53	MP1C	Z	3.704	1.79
54	MP1C	Mx	.001	1.79
55	MP1C	X	-2.139	3.79
56	MP1C	Z	3.704	3.79
57	MP1C	Mx	.001	3.79



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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
58	MP2A	X	-1.524	2.79
59	MP2A	Z	2.639	2.79
60	MP2A	Mx	.001	2.79
61	MP2B	X	-2.003	2.79
62	MP2B	Z	3.469	2.79
63	MP2B	Mx	-.000348	2.79
64	MP2C	X	-1.856	2.79
65	MP2C	Z	3.215	2.79
66	MP2C	Mx	-.000928	2.79
67	MP3A	X	-1.338	2.79
68	MP3A	Z	2.317	2.79
69	MP3A	Mx	.001	2.79
70	MP3B	X	-1.338	2.79
71	MP3B	Z	2.317	2.79
72	MP3B	Mx	.001	2.79
73	MP3C	X	-1.338	2.79
74	MP3C	Z	2.317	2.79
75	MP3C	Mx	.001	2.79
76	M100	X	-3.393	1
77	M100	Z	5.877	1
78	M100	Mx	0	1
79	MP4A	X	-2.713	.5
80	MP4A	Z	4.699	.5
81	MP4A	Mx	-.003	.5
82	MP4A	X	-2.713	5.08
83	MP4A	Z	4.699	5.08
84	MP4A	Mx	-.003	5.08
85	MP4B	X	-4.383	.5
86	MP4B	Z	7.592	.5
87	MP4B	Mx	.002	.5
88	MP4B	X	-4.383	5.08
89	MP4B	Z	7.592	5.08
90	MP4B	Mx	.002	5.08
91	MP4C	X	-4.383	.5
92	MP4C	Z	7.592	.5
93	MP4C	Mx	.002	.5
94	MP4C	X	-4.383	5.08
95	MP4C	Z	7.592	5.08
96	MP4C	Mx	.002	5.08

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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
1	MP3C	X	-1.077	.25
2	MP3C	Z	.622	.25
3	MP3C	Mx	-.000538	.25
4	MP3A	X	-5.01	.5
5	MP3A	Z	2.892	.5
6	MP3A	Mx	.000898	.5
7	MP3A	X	-5.01	5.08
8	MP3A	Z	2.892	5.08
9	MP3A	Mx	.000898	5.08
10	MP3B	X	-5.188	.5
11	MP3B	Z	2.996	.5
12	MP3B	Mx	-.006	.5
13	MP3B	X	-5.188	5.08
14	MP3B	Z	2.996	5.08



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
15	MP3B	Mx	-.006	5.08
16	MP3C	X	-4.337	.5
17	MP3C	Z	2.504	.5
18	MP3C	Mx	.006	.5
19	MP3C	X	-4.337	5.08
20	MP3C	Z	2.504	5.08
21	MP3C	Mx	.006	5.08
22	MP3A	X	-5.01	.5
23	MP3A	Z	2.892	.5
24	MP3A	Mx	-.006	.5
25	MP3A	X	-5.01	5.08
26	MP3A	Z	2.892	5.08
27	MP3A	Mx	-.006	5.08
28	MP3B	X	-5.188	.5
29	MP3B	Z	2.996	.5
30	MP3B	Mx	.002	.5
31	MP3B	X	-5.188	5.08
32	MP3B	Z	2.996	5.08
33	MP3B	Mx	.002	5.08
34	MP3C	X	-4.337	.5
35	MP3C	Z	2.504	.5
36	MP3C	Mx	.002	.5
37	MP3C	X	-4.337	5.08
38	MP3C	Z	2.504	5.08
39	MP3C	Mx	.002	5.08
40	MP1A	X	-3.704	1.79
41	MP1A	Z	2.139	1.79
42	MP1A	Mx	-.001	1.79
43	MP1A	X	-3.704	3.79
44	MP1A	Z	2.139	3.79
45	MP1A	Mx	-.001	3.79
46	MP1B	X	-4.091	1.79
47	MP1B	Z	2.362	1.79
48	MP1B	Mx	-.000808	1.79
49	MP1B	X	-4.091	3.79
50	MP1B	Z	2.362	3.79
51	MP1B	Mx	-.000808	3.79
52	MP1C	X	-2.252	1.79
53	MP1C	Z	1.3	1.79
54	MP1C	Mx	.001	1.79
55	MP1C	X	-2.252	3.79
56	MP1C	Z	1.3	3.79
57	MP1C	Mx	.001	3.79
58	MP2A	X	-3.215	2.79
59	MP2A	Z	1.856	2.79
60	MP2A	Mx	.000928	2.79
61	MP2B	X	-3.369	2.79
62	MP2B	Z	1.945	2.79
63	MP2B	Mx	.000665	2.79
64	MP2C	X	-2.639	2.79
65	MP2C	Z	1.524	2.79
66	MP2C	Mx	-.001	2.79
67	MP3A	X	-3.108	2.79
68	MP3A	Z	1.794	2.79
69	MP3A	Mx	.000897	2.79
70	MP3B	X	-3.108	2.79
71	MP3B	Z	1.794	2.79



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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
72	MP3B	Mx	.000897	2.79
73	MP3C	X	-3.108	2.79
74	MP3C	Z	1.794	2.79
75	MP3C	Mx	.000897	2.79
76	M100	X	-6.736	1
77	M100	Z	3.889	1
78	M100	Mx	0	1
79	MP4A	X	-5.663	.5
80	MP4A	Z	3.27	.5
81	MP4A	Mx	-.003	.5
82	MP4A	X	-5.663	5.08
83	MP4A	Z	3.27	5.08
84	MP4A	Mx	-.003	5.08
85	MP4B	X	-8.556	.5
86	MP4B	Z	4.94	.5
87	MP4B	Mx	0	.5
88	MP4B	X	-8.556	5.08
89	MP4B	Z	4.94	5.08
90	MP4B	Mx	0	5.08
91	MP4C	X	-5.663	.5
92	MP4C	Z	3.27	.5
93	MP4C	Mx	.003	.5
94	MP4C	X	-5.663	5.08
95	MP4C	Z	3.27	5.08
96	MP4C	Mx	.003	5.08

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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
1	MP3C	X	-.823	.25
2	MP3C	Z	0	.25
3	MP3C	Mx	-.000412	.25
4	MP3A	X	-6.173	.5
5	MP3A	Z	0	.5
6	MP3A	Mx	.004	.5
7	MP3A	X	-6.173	5.08
8	MP3A	Z	0	5.08
9	MP3A	Mx	.004	5.08
10	MP3B	X	-5.261	.5
11	MP3B	Z	0	.5
12	MP3B	Mx	-.006	.5
13	MP3B	X	-5.261	5.08
14	MP3B	Z	0	5.08
15	MP3B	Mx	-.006	5.08
16	MP3C	X	-4.62	.5
17	MP3C	Z	0	.5
18	MP3C	Mx	.004	.5
19	MP3C	X	-4.62	5.08
20	MP3C	Z	0	5.08
21	MP3C	Mx	.004	5.08
22	MP3A	X	-6.173	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	-.004	.5
25	MP3A	X	-6.173	5.08
26	MP3A	Z	0	5.08
27	MP3A	Mx	-.004	5.08
28	MP3B	X	-5.261	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
29	MP3B	Z	0	.5
30	MP3B	Mx	-.001	.5
31	MP3B	X	-5.261	5.08
32	MP3B	Z	0	5.08
33	MP3B	Mx	-.001	5.08
34	MP3C	X	-4.62	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	.004	.5
37	MP3C	X	-4.62	5.08
38	MP3C	Z	0	5.08
39	MP3C	Mx	.004	5.08
40	MP1A	X	-5.116	1.79
41	MP1A	Z	0	1.79
42	MP1A	Mx	0	1.79
43	MP1A	X	-5.116	3.79
44	MP1A	Z	0	3.79
45	MP1A	Mx	0	3.79
46	MP1B	X	-3.148	1.79
47	MP1B	Z	0	1.79
48	MP1B	Mx	-.001	1.79
49	MP1B	X	-3.148	3.79
50	MP1B	Z	0	3.79
51	MP1B	Mx	-.001	3.79
52	MP1C	X	-1.762	1.79
53	MP1C	Z	0	1.79
54	MP1C	Mx	.000881	1.79
55	MP1C	X	-1.762	3.79
56	MP1C	Z	0	3.79
57	MP1C	Mx	.000881	3.79
58	MP2A	X	-4.046	2.79
59	MP2A	Z	0	2.79
60	MP2A	Mx	0	2.79
61	MP2B	X	-3.264	2.79
62	MP2B	Z	0	2.79
63	MP2B	Mx	.001	2.79
64	MP2C	X	-2.714	2.79
65	MP2C	Z	0	2.79
66	MP2C	Mx	-.001	2.79
67	MP3A	X	-4.046	2.79
68	MP3A	Z	0	2.79
69	MP3A	Mx	0	2.79
70	MP3B	X	-4.046	2.79
71	MP3B	Z	0	2.79
72	MP3B	Mx	0	2.79
73	MP3C	X	-4.046	2.79
74	MP3C	Z	0	2.79
75	MP3C	Mx	0	2.79
76	M100	X	-8.274	1
77	M100	Z	0	1
78	M100	Mx	0	1
79	MP4A	X	-8.766	.5
80	MP4A	Z	0	.5
81	MP4A	Mx	-.002	.5
82	MP4A	X	-8.766	5.08
83	MP4A	Z	0	5.08
84	MP4A	Mx	-.002	5.08
85	MP4B	X	-8.766	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP4B	Z	0	.5
87	MP4B	Mx	-.002	.5
88	MP4B	X	-8.766	5.08
89	MP4B	Z	0	5.08
90	MP4B	Mx	-.002	5.08
91	MP4C	X	-5.426	.5
92	MP4C	Z	0	.5
93	MP4C	Mx	.003	.5
94	MP4C	X	-5.426	5.08
95	MP4C	Z	0	5.08
96	MP4C	Mx	.003	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	-1.077	.25
2	MP3C	Z	-.622	.25
3	MP3C	Mx	-.000538	.25
4	MP3A	X	-5.01	.5
5	MP3A	Z	-2.892	.5
6	MP3A	Mx	.006	.5
7	MP3A	X	-5.01	5.08
8	MP3A	Z	-2.892	5.08
9	MP3A	Mx	.006	5.08
10	MP3B	X	-4.041	.5
11	MP3B	Z	-2.333	.5
12	MP3B	Mx	-.005	.5
13	MP3B	X	-4.041	5.08
14	MP3B	Z	-2.333	5.08
15	MP3B	Mx	-.005	5.08
16	MP3C	X	-4.337	.5
17	MP3C	Z	-2.504	.5
18	MP3C	Mx	.002	.5
19	MP3C	X	-4.337	5.08
20	MP3C	Z	-2.504	5.08
21	MP3C	Mx	.002	5.08
22	MP3A	X	-5.01	.5
23	MP3A	Z	-2.892	.5
24	MP3A	Mx	-.000898	.5
25	MP3A	X	-5.01	5.08
26	MP3A	Z	-2.892	5.08
27	MP3A	Mx	-.000898	5.08
28	MP3B	X	-4.041	.5
29	MP3B	Z	-2.333	.5
30	MP3B	Mx	-.004	.5
31	MP3B	X	-4.041	5.08
32	MP3B	Z	-2.333	5.08
33	MP3B	Mx	-.004	5.08
34	MP3C	X	-4.337	.5
35	MP3C	Z	-2.504	.5
36	MP3C	Mx	.006	.5
37	MP3C	X	-4.337	5.08
38	MP3C	Z	-2.504	5.08
39	MP3C	Mx	.006	5.08
40	MP1A	X	-3.704	1.79
41	MP1A	Z	-2.139	1.79
42	MP1A	Mx	.001	1.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
43	MP1A	X	-3.704	3.79
44	MP1A	Z	-2.139	3.79
45	MP1A	Mx	.001	3.79
46	MP1B	X	-1.613	1.79
47	MP1B	Z	-.931	1.79
48	MP1B	Mx	-.000917	1.79
49	MP1B	X	-1.613	3.79
50	MP1B	Z	-.931	3.79
51	MP1B	Mx	-.000917	3.79
52	MP1C	X	-2.252	1.79
53	MP1C	Z	-1.3	1.79
54	MP1C	Mx	.001	1.79
55	MP1C	X	-2.252	3.79
56	MP1C	Z	-1.3	3.79
57	MP1C	Mx	.001	3.79
58	MP2A	X	-3.215	2.79
59	MP2A	Z	-1.856	2.79
60	MP2A	Mx	-.000928	2.79
61	MP2B	X	-2.386	2.79
62	MP2B	Z	-1.377	2.79
63	MP2B	Mx	.001	2.79
64	MP2C	X	-2.639	2.79
65	MP2C	Z	-1.524	2.79
66	MP2C	Mx	-.001	2.79
67	MP3A	X	-3.108	2.79
68	MP3A	Z	-1.794	2.79
69	MP3A	Mx	-.000897	2.79
70	MP3B	X	-3.108	2.79
71	MP3B	Z	-1.794	2.79
72	MP3B	Mx	-.000897	2.79
73	MP3C	X	-3.108	2.79
74	MP3C	Z	-1.794	2.79
75	MP3C	Mx	-.000897	2.79
76	M100	X	-6.736	1
77	M100	Z	-3.889	1
78	M100	Mx	0	1
79	MP4A	X	-8.556	.5
80	MP4A	Z	-4.94	.5
81	MP4A	Mx	0	.5
82	MP4A	X	-8.556	5.08
83	MP4A	Z	-4.94	5.08
84	MP4A	Mx	0	5.08
85	MP4B	X	-5.663	.5
86	MP4B	Z	-3.27	.5
87	MP4B	Mx	-.003	.5
88	MP4B	X	-5.663	5.08
89	MP4B	Z	-3.27	5.08
90	MP4B	Mx	-.003	5.08
91	MP4C	X	-5.663	.5
92	MP4C	Z	-3.27	.5
93	MP4C	Mx	.003	.5
94	MP4C	X	-5.663	5.08
95	MP4C	Z	-3.27	5.08
96	MP4C	Mx	.003	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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**Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
1	MP3C	X	-1.042	.25
2	MP3C	Z	-1.806	.25
3	MP3C	Mx	-.000521	.25
4	MP3A	X	-2.504	.5
5	MP3A	Z	-4.337	.5
6	MP3A	Mx	.006	.5
7	MP3A	X	-2.504	5.08
8	MP3A	Z	-4.337	5.08
9	MP3A	Mx	.006	5.08
10	MP3B	X	-2.401	.5
11	MP3B	Z	-4.158	.5
12	MP3B	Mx	-.003	.5
13	MP3B	X	-2.401	5.08
14	MP3B	Z	-4.158	5.08
15	MP3B	Mx	-.003	5.08
16	MP3C	X	-2.892	.5
17	MP3C	Z	-5.01	.5
18	MP3C	Mx	-.001	.5
19	MP3C	X	-2.892	5.08
20	MP3C	Z	-5.01	5.08
21	MP3C	Mx	-.001	5.08
22	MP3A	X	-2.504	.5
23	MP3A	Z	-4.337	.5
24	MP3A	Mx	.002	.5
25	MP3A	X	-2.504	5.08
26	MP3A	Z	-4.337	5.08
27	MP3A	Mx	.002	5.08
28	MP3B	X	-2.401	.5
29	MP3B	Z	-4.158	.5
30	MP3B	Mx	-.005	.5
31	MP3B	X	-2.401	5.08
32	MP3B	Z	-4.158	5.08
33	MP3B	Mx	-.005	5.08
34	MP3C	X	-2.892	.5
35	MP3C	Z	-5.01	.5
36	MP3C	Mx	.006	.5
37	MP3C	X	-2.892	5.08
38	MP3C	Z	-5.01	5.08
39	MP3C	Mx	.006	5.08
40	MP1A	X	-1.3	1.79
41	MP1A	Z	-2.252	1.79
42	MP1A	Mx	.001	1.79
43	MP1A	X	-1.3	3.79
44	MP1A	Z	-2.252	3.79
45	MP1A	Mx	.001	3.79
46	MP1B	X	-1.077	1.79
47	MP1B	Z	-1.866	1.79
48	MP1B	Mx	-.001	1.79
49	MP1B	X	-1.077	3.79
50	MP1B	Z	-1.866	3.79
51	MP1B	Mx	-.001	3.79
52	MP1C	X	-2.139	1.79
53	MP1C	Z	-3.704	1.79
54	MP1C	Mx	.001	1.79
55	MP1C	X	-2.139	3.79
56	MP1C	Z	-3.704	3.79
57	MP1C	Mx	.001	3.79





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP2A	X	-1.524	2.79
59	MP2A	Z	-2.639	2.79
60	MP2A	Mx	-.001	2.79
61	MP2B	X	-1.435	2.79
62	MP2B	Z	-2.486	2.79
63	MP2B	Mx	.001	2.79
64	MP2C	X	-1.856	2.79
65	MP2C	Z	-3.215	2.79
66	MP2C	Mx	-.000928	2.79
67	MP3A	X	-1.338	2.79
68	MP3A	Z	-2.317	2.79
69	MP3A	Mx	-.001	2.79
70	MP3B	X	-1.338	2.79
71	MP3B	Z	-2.317	2.79
72	MP3B	Mx	-.001	2.79
73	MP3C	X	-1.338	2.79
74	MP3C	Z	-2.317	2.79
75	MP3C	Mx	-.001	2.79
76	M100	X	-3.393	1
77	M100	Z	-5.877	1
78	M100	Mx	0	1
79	MP4A	X	-4.383	.5
80	MP4A	Z	-7.592	.5
81	MP4A	Mx	.002	.5
82	MP4A	X	-4.383	5.08
83	MP4A	Z	-7.592	5.08
84	MP4A	Mx	.002	5.08
85	MP4B	X	-2.713	.5
86	MP4B	Z	-4.699	.5
87	MP4B	Mx	-.003	.5
88	MP4B	X	-2.713	5.08
89	MP4B	Z	-4.699	5.08
90	MP4B	Mx	-.003	5.08
91	MP4C	X	-4.383	.5
92	MP4C	Z	-7.592	.5
93	MP4C	Mx	.002	.5
94	MP4C	X	-4.383	5.08
95	MP4C	Z	-7.592	5.08
96	MP4C	Mx	.002	5.08

**Member Point Loads (BLC 77 : Lm1)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	LM2	Y	-500	0

**Member Point Loads (BLC 78 : Lm2)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	LM1	Y	-500	0

**Member Point Loads (BLC 79 : Lv1)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	LV	Y	-250	0

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

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



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	Y	0	.25
2	MP3C	My	0	.25
3	MP3C	Mz	0	.25
4	MP3A	Y	0	.5
5	MP3A	Mv	0	.5
6	MP3A	Mz	0	.5
7	MP3A	Y	0	5.08
8	MP3A	My	0	5.08
9	MP3A	Mz	0	5.08
10	MP3B	Y	0	.5
11	MP3B	Mv	0	.5
12	MP3B	Mz	0	.5
13	MP3B	Y	0	5.08
14	MP3B	My	0	5.08
15	MP3B	Mz	0	5.08
16	MP3C	Y	0	.5
17	MP3C	Mv	0	.5
18	MP3C	Mz	0	.5
19	MP3C	Y	0	5.08
20	MP3C	My	0	5.08
21	MP3C	Mz	0	5.08
22	MP3A	Y	0	.5
23	MP3A	Mv	0	.5
24	MP3A	Mz	0	.5
25	MP3A	Y	0	5.08
26	MP3A	My	0	5.08
27	MP3A	Mz	0	5.08
28	MP3B	Y	0	.5
29	MP3B	Mv	0	.5
30	MP3B	Mz	0	.5
31	MP3B	Y	0	5.08
32	MP3B	My	0	5.08
33	MP3B	Mz	0	5.08
34	MP3C	Y	0	.5
35	MP3C	Mv	0	.5
36	MP3C	Mz	0	.5
37	MP3C	Y	0	5.08
38	MP3C	My	0	5.08
39	MP3C	Mz	0	5.08
40	MP1A	Y	0	1.79
41	MP1A	Mv	0	1.79
42	MP1A	Mz	0	1.79
43	MP1A	Y	0	3.79
44	MP1A	Mv	0	3.79
45	MP1A	Mz	0	3.79
46	MP1B	Y	0	1.79
47	MP1B	Mv	0	1.79
48	MP1B	Mz	0	1.79
49	MP1B	Y	0	3.79
50	MP1B	Mv	0	3.79
51	MP1B	Mz	0	3.79
52	MP1C	Y	0	1.79
53	MP1C	Mv	0	1.79
54	MP1C	Mz	0	1.79
55	MP1C	Y	0	3.79
56	MP1C	Mv	0	3.79
57	MP1C	Mz	0	3.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft. %]
58	MP2A	Y	0	2.79
59	MP2A	Mv	0	2.79
60	MP2A	Mz	0	2.79
61	MP2B	Y	0	2.79
62	MP2B	Mv	0	2.79
63	MP2B	Mz	0	2.79
64	MP2C	Y	0	2.79
65	MP2C	Mv	0	2.79
66	MP2C	Mz	0	2.79
67	MP3A	Y	0	2.79
68	MP3A	Mv	0	2.79
69	MP3A	Mz	0	2.79
70	MP3B	Y	0	2.79
71	MP3B	Mv	0	2.79
72	MP3B	Mz	0	2.79
73	MP3C	Y	0	2.79
74	MP3C	Mv	0	2.79
75	MP3C	Mz	0	2.79
76	M100	Y	0	1
77	M100	Mv	0	1
78	M100	Mz	0	1
79	MP4A	Y	0	.5
80	MP4A	Mv	0	.5
81	MP4A	Mz	0	.5
82	MP4A	Y	0	5.08
83	MP4A	Mv	0	5.08
84	MP4A	Mz	0	5.08
85	MP4B	Y	0	.5
86	MP4B	Mv	0	.5
87	MP4B	Mz	0	.5
88	MP4B	Y	0	5.08
89	MP4B	Mv	0	5.08
90	MP4B	Mz	0	5.08
91	MP4C	Y	0	.5
92	MP4C	Mv	0	.5
93	MP4C	Mz	0	.5
94	MP4C	Y	0	5.08
95	MP4C	Mv	0	5.08
96	MP4C	Mz	0	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft. %]
1	MP3C	Z	-.528	.25
2	MP3C	Mx	0	.25
3	MP3A	Z	-.69	.5
4	MP3A	Mx	.000633	.5
5	MP3A	Z	-.69	5.08
6	MP3A	Mx	.000633	5.08
7	MP3B	Z	-.69	.5
8	MP3B	Mx	-1e-5	.5
9	MP3B	Z	-.69	5.08
10	MP3B	Mx	-1e-5	5.08
11	MP3C	Z	-.69	.5
12	MP3C	Mx	-.000518	.5
13	MP3C	Z	-.69	5.08
14	MP3C	Mx	-.000518	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP3A	Z	-.69	.5
16	MP3A	Mx	.000633	.5
17	MP3A	Z	-.69	5.08
18	MP3A	Mx	.000633	5.08
19	MP3B	Z	-.69	.5
20	MP3B	Mx	-.000803	.5
21	MP3B	Z	-.69	5.08
22	MP3B	Mx	-.000803	5.08
23	MP3C	Z	-.69	.5
24	MP3C	Mx	.000518	.5
25	MP3C	Z	-.69	5.08
26	MP3C	Mx	.000518	5.08
27	MP1A	Z	-1.306	1.79
28	MP1A	Mx	.000653	1.79
29	MP1A	Z	-1.306	3.79
30	MP1A	Mx	.000653	3.79
31	MP1B	Z	-1.306	1.79
32	MP1B	Mx	-.00042	1.79
33	MP1B	Z	-1.306	3.79
34	MP1B	Mx	-.00042	3.79
35	MP1C	Z	-1.306	1.79
36	MP1C	Mx	0	1.79
37	MP1C	Z	-1.306	3.79
38	MP1C	Mx	0	3.79
39	MP2A	Z	-2.532	2.79
40	MP2A	Mx	-.001	2.79
41	MP2B	Z	-2.532	2.79
42	MP2B	Mx	.000814	2.79
43	MP2C	Z	-2.532	2.79
44	MP2C	Mx	0	2.79
45	MP3A	Z	-2.109	2.79
46	MP3A	Mx	-.001	2.79
47	MP3B	Z	-2.109	2.79
48	MP3B	Mx	-.001	2.79
49	MP3C	Z	-2.109	2.79
50	MP3C	Mx	-.001	2.79
51	M100	Z	-.96	1
52	M100	Mx	0	1
53	MP4A	Z	-.255	.5
54	MP4A	Mx	.00011	.5
55	MP4A	Z	-.255	5.08
56	MP4A	Mx	.00011	5.08
57	MP4B	Z	-.255	.5
58	MP4B	Mx	-.00011	.5
59	MP4B	Z	-.255	5.08
60	MP4B	Mx	-.00011	5.08
61	MP4C	Z	-.255	.5
62	MP4C	Mx	0	.5
63	MP4C	Z	-.255	5.08
64	MP4C	Mx	0	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3C	X	.528	.25
2	MP3C	Mx	.000264	.25
3	MP3A	X	.69	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
4	MP3A	Mx	-.000489	.5
5	MP3A	X	.69	5.08
6	MP3A	Mx	-.000489	5.08
7	MP3B	X	.69	.5
8	MP3B	Mx	.000817	.5
9	MP3B	X	.69	5.08
10	MP3B	Mx	.000817	5.08
11	MP3C	X	.69	.5
12	MP3C	Mx	-.000633	.5
13	MP3C	X	.69	5.08
14	MP3C	Mx	-.000633	5.08
15	MP3A	X	.69	.5
16	MP3A	Mx	.000489	.5
17	MP3A	X	.69	5.08
18	MP3A	Mx	.000489	5.08
19	MP3B	X	.69	.5
20	MP3B	Mx	.000152	.5
21	MP3B	X	.69	5.08
22	MP3B	Mx	.000152	5.08
23	MP3C	X	.69	.5
24	MP3C	Mx	-.000633	.5
25	MP3C	X	.69	5.08
26	MP3C	Mx	-.000633	5.08
27	MP1A	X	1.306	1.79
28	MP1A	Mx	0	1.79
29	MP1A	X	1.306	3.79
30	MP1A	Mx	0	3.79
31	MP1B	X	1.306	1.79
32	MP1B	Mx	.0005	1.79
33	MP1B	X	1.306	3.79
34	MP1B	Mx	.0005	3.79
35	MP1C	X	1.306	1.79
36	MP1C	Mx	-.000653	1.79
37	MP1C	X	1.306	3.79
38	MP1C	Mx	-.000653	3.79
39	MP2A	X	2.532	2.79
40	MP2A	Mx	0	2.79
41	MP2B	X	2.532	2.79
42	MP2B	Mx	-.00097	2.79
43	MP2C	X	2.532	2.79
44	MP2C	Mx	.001	2.79
45	MP3A	X	2.109	2.79
46	MP3A	Mx	0	2.79
47	MP3B	X	2.109	2.79
48	MP3B	Mx	0	2.79
49	MP3C	X	2.109	2.79
50	MP3C	Mx	0	2.79
51	M100	X	.96	1
52	M100	Mx	0	1
53	MP4A	X	.255	.5
54	MP4A	Mx	6.4e-5	.5
55	MP4A	X	.255	5.08
56	MP4A	Mx	6.4e-5	5.08
57	MP4B	X	.255	.5
58	MP4B	Mx	6.4e-5	.5
59	MP4B	X	.255	5.08
60	MP4B	Mx	6.4e-5	5.08



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
61	MP4C	X	.255	.5
62	MP4C	Mx	-.000128	.5
63	MP4C	X	.255	5.08
64	MP4C	Mx	-.000128	5.08

**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	LV	Y	-10.918	-10.918	0	%100
2	M4	Y	-15.434	-15.434	0	%100
3	M10	Y	-15.434	-15.434	0	%100
4	MP1A	Y	-8.562	-8.562	0	%100
5	M43	Y	-15.434	-15.434	0	%100
6	M46	Y	-16.178	-16.178	0	%100
7	M51B	Y	-9.512	-9.512	0	%100
8	M52B	Y	-9.512	-9.512	0	%100
9	M76	Y	-16.178	-16.178	0	%100
10	M77	Y	-16.178	-16.178	0	%100
11	M80	Y	-16.178	-16.178	0	%100
12	M84	Y	-16.178	-16.178	0	%100
13	M85	Y	-16.178	-16.178	0	%100
14	M91	Y	-16.178	-16.178	0	%100
15	M34	Y	-15.434	-15.434	0	%100
16	M35	Y	-15.434	-15.434	0	%100
17	M36	Y	-15.434	-15.434	0	%100
18	M37	Y	-16.178	-16.178	0	%100
19	M40	Y	-9.512	-9.512	0	%100
20	M41	Y	-9.512	-9.512	0	%100
21	M45	Y	-16.178	-16.178	0	%100
22	M46A	Y	-16.178	-16.178	0	%100
23	M48	Y	-16.178	-16.178	0	%100
24	M50A	Y	-16.178	-16.178	0	%100
25	M51C	Y	-16.178	-16.178	0	%100
26	M53	Y	-16.178	-16.178	0	%100
27	M58A	Y	-15.434	-15.434	0	%100
28	M59A	Y	-15.434	-15.434	0	%100
29	M60	Y	-15.434	-15.434	0	%100
30	M61	Y	-16.178	-16.178	0	%100
31	M64	Y	-9.512	-9.512	0	%100
32	M65	Y	-9.512	-9.512	0	%100
33	M69	Y	-16.178	-16.178	0	%100
34	M70	Y	-16.178	-16.178	0	%100
35	M72	Y	-16.178	-16.178	0	%100
36	M74	Y	-16.178	-16.178	0	%100
37	M75	Y	-16.178	-16.178	0	%100
38	M77A	Y	-16.178	-16.178	0	%100
39	MP2A	Y	-8.562	-8.562	0	%100
40	MP3A	Y	-9.609	-9.609	0	%100
41	MP4A	Y	-8.562	-8.562	0	%100
42	M81A	Y	-10.918	-10.918	0	%100
43	MP1C	Y	-8.562	-8.562	0	%100
44	MP4C	Y	-8.562	-8.562	0	%100
45	M90	Y	-10.918	-10.918	0	%100
46	MP1B	Y	-8.562	-8.562	0	%100
47	MP4B	Y	-8.562	-8.562	0	%100
48	M100	Y	-8.562	-8.562	0	%100



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**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.%]
49	M102	Y	-9.609	-9.609	0	%100
50	M107	Y	-9.609	-9.609	0	%100
51	M112	Y	-9.609	-9.609	0	%100
52	M123	Y	-12.473	-12.473	0	%100
53	M124	Y	-12.473	-12.473	0	%100
54	M125	Y	-12.473	-12.473	0	%100
55	M126	Y	-16.938	-16.938	0	%100
56	M127	Y	-16.938	-16.938	0	%100
57	M128	Y	-16.938	-16.938	0	%100
58	MP2C	Y	-8.562	-8.562	0	%100
59	MP3C	Y	-9.609	-9.609	0	%100
60	MP2B	Y	-8.562	-8.562	0	%100
61	MP3B	Y	-9.609	-9.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	-14.031	-14.031	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-12.354	-12.354	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-9.754	-9.754	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-12.354	-12.354	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-24.641	-24.641	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-3.421	-3.421	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-3.421	-3.421	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-6.274	-6.274	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-6.609	-6.609	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-6.274	-6.274	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	-6.609	-6.609	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	-10.95	-10.95	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	-3.088	-3.088	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	-3.088	-3.088	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	-6.16	-6.16	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	-3.421	-3.421	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	-13.683	-13.683	0	%100



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**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	M45	X	0	0	0	%100
42	M45	Z	-18.481	-18.481	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	-6.274	-6.274	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	-6.609	-6.609	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	-18.481	-18.481	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	-25.097	-25.097	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	-26.434	-26.434	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	-10.95	-10.95	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	-3.088	-3.088	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	-3.088	-3.088	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	-6.16	-6.16	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	-13.683	-13.683	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	-3.421	-3.421	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-18.481	-18.481	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	-25.097	-25.097	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	-26.434	-26.434	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	-18.481	-18.481	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	-6.274	-6.274	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	-6.609	-6.609	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-9.754	-9.754	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-11.807	-11.807	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-9.754	-9.754	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	-3.508	-3.508	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-9.754	-9.754	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-9.754	-9.754	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	-3.508	-3.508	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	-9.754	-9.754	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	-9.754	-9.754	0	%100
95	M100	X	0	0	0	%100
96	M100	Z	-7.976	-7.976	0	%100
97	M102	X	0	0	0	%100





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**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	M102	Z	-11.807	-11.807	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	-2.952	-2.952	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	-2.952	-2.952	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	-3.25	-3.25	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	-3.25	-3.25	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	-13.001	-13.001	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	-23.693	-23.693	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	-20.675	-20.675	0	%100
113	M128	X	0	0	0	%100
114	M128	Z	-20.675	-20.675	0	%100
115	MP2C	X	0	0	0	%100
116	MP2C	Z	-9.754	-9.754	0	%100
117	MP3C	X	0	0	0	%100
118	MP3C	Z	-11.807	-11.807	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	-9.754	-9.754	0	%100
121	MP3B	X	0	0	0	%100
122	MP3B	Z	-11.807	-11.807	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	LV	X	5.262	5.262	0	%100
2	LV	Z	-9.114	-9.114	0	%100
3	M4	X	1.825	1.825	0	%100
4	M4	Z	-3.161	-3.161	0	%100
5	M10	X	4.633	4.633	0	%100
6	M10	Z	-8.024	-8.024	0	%100
7	MP1A	X	4.877	4.877	0	%100
8	MP1A	Z	-8.447	-8.447	0	%100
9	M43	X	4.633	4.633	0	%100
10	M43	Z	-8.024	-8.024	0	%100
11	M46	X	9.24	9.24	0	%100
12	M46	Z	-16.005	-16.005	0	%100
13	M51B	X	5.131	5.131	0	%100
14	M51B	Z	-8.887	-8.887	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	3.08	3.08	0	%100
18	M76	Z	-5.335	-5.335	0	%100
19	M77	X	9.411	9.411	0	%100
20	M77	Z	-16.301	-16.301	0	%100
21	M80	X	9.913	9.913	0	%100
22	M80	Z	-17.169	-17.169	0	%100
23	M84	X	3.08	3.08	0	%100
24	M84	Z	-5.335	-5.335	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100



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**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.%]
29	M34	X	1.825	1.825	0	%100
30	M34	Z	-3.161	-3.161	0	%100
31	M35	X	4.633	4.633	0	%100
32	M35	Z	-8.024	-8.024	0	%100
33	M36	X	4.633	4.633	0	%100
34	M36	Z	-8.024	-8.024	0	%100
35	M37	X	9.24	9.24	0	%100
36	M37	Z	-16.005	-16.005	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	5.131	5.131	0	%100
40	M41	Z	-8.887	-8.887	0	%100
41	M45	X	3.08	3.08	0	%100
42	M45	Z	-5.335	-5.335	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	3.08	3.08	0	%100
48	M50A	Z	-5.335	-5.335	0	%100
49	M51C	X	9.411	9.411	0	%100
50	M51C	Z	-16.301	-16.301	0	%100
51	M53	X	9.913	9.913	0	%100
52	M53	Z	-17.169	-17.169	0	%100
53	M58A	X	7.3	7.3	0	%100
54	M58A	Z	-12.644	-12.644	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	5.131	5.131	0	%100
62	M64	Z	-8.887	-8.887	0	%100
63	M65	X	5.131	5.131	0	%100
64	M65	Z	-8.887	-8.887	0	%100
65	M69	X	12.32	12.32	0	%100
66	M69	Z	-21.34	-21.34	0	%100
67	M70	X	9.411	9.411	0	%100
68	M70	Z	-16.301	-16.301	0	%100
69	M72	X	9.913	9.913	0	%100
70	M72	Z	-17.169	-17.169	0	%100
71	M74	X	12.32	12.32	0	%100
72	M74	Z	-21.34	-21.34	0	%100
73	M75	X	9.411	9.411	0	%100
74	M75	Z	-16.301	-16.301	0	%100
75	M77A	X	9.913	9.913	0	%100
76	M77A	Z	-17.169	-17.169	0	%100
77	MP2A	X	4.877	4.877	0	%100
78	MP2A	Z	-8.447	-8.447	0	%100
79	MP3A	X	5.904	5.904	0	%100
80	MP3A	Z	-10.225	-10.225	0	%100
81	MP4A	X	4.877	4.877	0	%100
82	MP4A	Z	-8.447	-8.447	0	%100
83	M81A	X	5.262	5.262	0	%100
84	M81A	Z	-9.114	-9.114	0	%100
85	MP1C	X	4.877	4.877	0	%100



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**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.%]
86	MP1C	Z	-8.447	-8.447	0	%100
87	MP4C	X	4.877	4.877	0	%100
88	MP4C	Z	-8.447	-8.447	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	4.877	4.877	0	%100
92	MP1B	Z	-8.447	-8.447	0	%100
93	MP4B	X	4.877	4.877	0	%100
94	MP4B	Z	-8.447	-8.447	0	%100
95	M100	X	3.988	3.988	0	%100
96	M100	Z	-6.907	-6.907	0	%100
97	M102	X	4.428	4.428	0	%100
98	M102	Z	-7.669	-7.669	0	%100
99	M107	X	4.428	4.428	0	%100
100	M107	Z	-7.669	-7.669	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	4.875	4.875	0	%100
104	M123	Z	-8.444	-8.444	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	4.875	4.875	0	%100
108	M125	Z	-8.444	-8.444	0	%100
109	M126	X	11.344	11.344	0	%100
110	M126	Z	-19.648	-19.648	0	%100
111	M127	X	11.344	11.344	0	%100
112	M127	Z	-19.648	-19.648	0	%100
113	M128	X	9.834	9.834	0	%100
114	M128	Z	-17.034	-17.034	0	%100
115	MP2C	X	4.877	4.877	0	%100
116	MP2C	Z	-8.447	-8.447	0	%100
117	MP3C	X	5.904	5.904	0	%100
118	MP3C	Z	-10.225	-10.225	0	%100
119	MP2B	X	4.877	4.877	0	%100
120	MP2B	Z	-8.447	-8.447	0	%100
121	MP3B	X	5.904	5.904	0	%100
122	MP3B	Z	-10.225	-10.225	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	3.038	3.038	0	%100
2	LV	Z	-1.754	-1.754	0	%100
3	M4	X	9.483	9.483	0	%100
4	M4	Z	-5.475	-5.475	0	%100
5	M10	X	2.675	2.675	0	%100
6	M10	Z	-1.544	-1.544	0	%100
7	MP1A	X	8.447	8.447	0	%100
8	MP1A	Z	-4.877	-4.877	0	%100
9	M43	X	2.675	2.675	0	%100
10	M43	Z	-1.544	-1.544	0	%100
11	M46	X	5.335	5.335	0	%100
12	M46	Z	-3.08	-3.08	0	%100
13	M51B	X	11.849	11.849	0	%100
14	M51B	Z	-6.841	-6.841	0	%100
15	M52B	X	2.962	2.962	0	%100
16	M52B	Z	-1.71	-1.71	0	%100



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**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. %]
17	M76	X	16.005	16.005	0	%100
18	M76	Z	-9.24	-9.24	0	%100
19	M77	X	21.735	21.735	0	%100
20	M77	Z	-12.549	-12.549	0	%100
21	M80	X	22.893	22.893	0	%100
22	M80	Z	-13.217	-13.217	0	%100
23	M84	X	16.005	16.005	0	%100
24	M84	Z	-9.24	-9.24	0	%100
25	M85	X	5.434	5.434	0	%100
26	M85	Z	-3.137	-3.137	0	%100
27	M91	X	5.723	5.723	0	%100
28	M91	Z	-3.304	-3.304	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	10.699	10.699	0	%100
32	M35	Z	-6.177	-6.177	0	%100
33	M36	X	10.699	10.699	0	%100
34	M36	Z	-6.177	-6.177	0	%100
35	M37	X	21.34	21.34	0	%100
36	M37	Z	-12.32	-12.32	0	%100
37	M40	X	2.962	2.962	0	%100
38	M40	Z	-1.71	-1.71	0	%100
39	M41	X	2.962	2.962	0	%100
40	M41	Z	-1.71	-1.71	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	5.434	5.434	0	%100
44	M46A	Z	-3.137	-3.137	0	%100
45	M48	X	5.723	5.723	0	%100
46	M48	Z	-3.304	-3.304	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	5.434	5.434	0	%100
50	M51C	Z	-3.137	-3.137	0	%100
51	M53	X	5.723	5.723	0	%100
52	M53	Z	-3.304	-3.304	0	%100
53	M58A	X	9.483	9.483	0	%100
54	M58A	Z	-5.475	-5.475	0	%100
55	M59A	X	2.675	2.675	0	%100
56	M59A	Z	-1.544	-1.544	0	%100
57	M60	X	2.675	2.675	0	%100
58	M60	Z	-1.544	-1.544	0	%100
59	M61	X	5.335	5.335	0	%100
60	M61	Z	-3.08	-3.08	0	%100
61	M64	X	2.962	2.962	0	%100
62	M64	Z	-1.71	-1.71	0	%100
63	M65	X	11.849	11.849	0	%100
64	M65	Z	-6.841	-6.841	0	%100
65	M69	X	16.005	16.005	0	%100
66	M69	Z	-9.24	-9.24	0	%100
67	M70	X	5.434	5.434	0	%100
68	M70	Z	-3.137	-3.137	0	%100
69	M72	X	5.723	5.723	0	%100
70	M72	Z	-3.304	-3.304	0	%100
71	M74	X	16.005	16.005	0	%100
72	M74	Z	-9.24	-9.24	0	%100
73	M75	X	21.735	21.735	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.%]
74	M75	Z	-12.549	-12.549	0	%100
75	M77A	X	22.893	22.893	0	%100
76	M77A	Z	-13.217	-13.217	0	%100
77	MP2A	X	8.447	8.447	0	%100
78	MP2A	Z	-4.877	-4.877	0	%100
79	MP3A	X	10.225	10.225	0	%100
80	MP3A	Z	-5.904	-5.904	0	%100
81	MP4A	X	8.447	8.447	0	%100
82	MP4A	Z	-4.877	-4.877	0	%100
83	M81A	X	12.152	12.152	0	%100
84	M81A	Z	-7.016	-7.016	0	%100
85	MP1C	X	8.447	8.447	0	%100
86	MP1C	Z	-4.877	-4.877	0	%100
87	MP4C	X	8.447	8.447	0	%100
88	MP4C	Z	-4.877	-4.877	0	%100
89	M90	X	3.038	3.038	0	%100
90	M90	Z	-1.754	-1.754	0	%100
91	MP1B	X	8.447	8.447	0	%100
92	MP1B	Z	-4.877	-4.877	0	%100
93	MP4B	X	8.447	8.447	0	%100
94	MP4B	Z	-4.877	-4.877	0	%100
95	M100	X	6.907	6.907	0	%100
96	M100	Z	-3.988	-3.988	0	%100
97	M102	X	2.556	2.556	0	%100
98	M102	Z	-1.476	-1.476	0	%100
99	M107	X	10.225	10.225	0	%100
100	M107	Z	-5.904	-5.904	0	%100
101	M112	X	2.556	2.556	0	%100
102	M112	Z	-1.476	-1.476	0	%100
103	M123	X	11.259	11.259	0	%100
104	M123	Z	-6.5	-6.5	0	%100
105	M124	X	2.815	2.815	0	%100
106	M124	Z	-1.625	-1.625	0	%100
107	M125	X	2.815	2.815	0	%100
108	M125	Z	-1.625	-1.625	0	%100
109	M126	X	17.905	17.905	0	%100
110	M126	Z	-10.337	-10.337	0	%100
111	M127	X	20.519	20.519	0	%100
112	M127	Z	-11.847	-11.847	0	%100
113	M128	X	17.905	17.905	0	%100
114	M128	Z	-10.337	-10.337	0	%100
115	MP2C	X	8.447	8.447	0	%100
116	MP2C	Z	-4.877	-4.877	0	%100
117	MP3C	X	10.225	10.225	0	%100
118	MP3C	Z	-5.904	-5.904	0	%100
119	MP2B	X	8.447	8.447	0	%100
120	MP2B	Z	-4.877	-4.877	0	%100
121	MP3B	X	10.225	10.225	0	%100
122	MP3B	Z	-5.904	-5.904	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M4	X	14.6	14.6	0	%100
4	M4	Z	0	0	0	%100



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**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.-%]
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	9.754	9.754	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	10.262	10.262	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	10.262	10.262	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	24.641	24.641	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	18.823	18.823	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	19.826	19.826	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	24.641	24.641	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	18.823	18.823	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	19.826	19.826	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	3.65	3.65	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	9.265	9.265	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	9.265	9.265	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	18.481	18.481	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	10.262	10.262	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	6.16	6.16	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	18.823	18.823	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	19.826	19.826	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	6.16	6.16	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	3.65	3.65	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	9.265	9.265	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	9.265	9.265	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	18.481	18.481	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100



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**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.%]
62	M64	Z	0	0	0	%100
63	M65	X	10.262	10.262	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	6.16	6.16	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	6.16	6.16	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	18.823	18.823	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	19.826	19.826	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	9.754	9.754	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	11.807	11.807	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	9.754	9.754	0	%100
82	MP4A	Z	0	0	0	%100
83	M81A	X	10.524	10.524	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	9.754	9.754	0	%100
86	MP1C	Z	0	0	0	%100
87	MP4C	X	9.754	9.754	0	%100
88	MP4C	Z	0	0	0	%100
89	M90	X	10.524	10.524	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	9.754	9.754	0	%100
92	MP1B	Z	0	0	0	%100
93	MP4B	X	9.754	9.754	0	%100
94	MP4B	Z	0	0	0	%100
95	M100	X	7.976	7.976	0	%100
96	M100	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	X	8.855	8.855	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	8.855	8.855	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	9.751	9.751	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	9.751	9.751	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	19.669	19.669	0	%100
110	M126	Z	0	0	0	%100
111	M127	X	22.687	22.687	0	%100
112	M127	Z	0	0	0	%100
113	M128	X	22.687	22.687	0	%100
114	M128	Z	0	0	0	%100
115	MP2C	X	9.754	9.754	0	%100
116	MP2C	Z	0	0	0	%100
117	MP3C	X	11.807	11.807	0	%100
118	MP3C	Z	0	0	0	%100



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**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.%]
119	MP2B	X	9.754	9.754	0	%100
120	MP2B	Z	0	0	0	%100
121	MP3B	X	11.807	11.807	0	%100
122	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	3.038	3.038	0	%100
2	LV	Z	1.754	1.754	0	%100
3	M4	X	9.483	9.483	0	%100
4	M4	Z	5.475	5.475	0	%100
5	M10	X	2.675	2.675	0	%100
6	M10	Z	1.544	1.544	0	%100
7	MP1A	X	8.447	8.447	0	%100
8	MP1A	Z	4.877	4.877	0	%100
9	M43	X	2.675	2.675	0	%100
10	M43	Z	1.544	1.544	0	%100
11	M46	X	5.335	5.335	0	%100
12	M46	Z	3.08	3.08	0	%100
13	M51B	X	2.962	2.962	0	%100
14	M51B	Z	1.71	1.71	0	%100
15	M52B	X	11.849	11.849	0	%100
16	M52B	Z	6.841	6.841	0	%100
17	M76	X	16.005	16.005	0	%100
18	M76	Z	9.24	9.24	0	%100
19	M77	X	5.434	5.434	0	%100
20	M77	Z	3.137	3.137	0	%100
21	M80	X	5.723	5.723	0	%100
22	M80	Z	3.304	3.304	0	%100
23	M84	X	16.005	16.005	0	%100
24	M84	Z	9.24	9.24	0	%100
25	M85	X	21.735	21.735	0	%100
26	M85	Z	12.549	12.549	0	%100
27	M91	X	22.893	22.893	0	%100
28	M91	Z	13.217	13.217	0	%100
29	M34	X	9.483	9.483	0	%100
30	M34	Z	5.475	5.475	0	%100
31	M35	X	2.675	2.675	0	%100
32	M35	Z	1.544	1.544	0	%100
33	M36	X	2.675	2.675	0	%100
34	M36	Z	1.544	1.544	0	%100
35	M37	X	5.335	5.335	0	%100
36	M37	Z	3.08	3.08	0	%100
37	M40	X	11.849	11.849	0	%100
38	M40	Z	6.841	6.841	0	%100
39	M41	X	2.962	2.962	0	%100
40	M41	Z	1.71	1.71	0	%100
41	M45	X	16.005	16.005	0	%100
42	M45	Z	9.24	9.24	0	%100
43	M46A	X	21.735	21.735	0	%100
44	M46A	Z	12.549	12.549	0	%100
45	M48	X	22.893	22.893	0	%100
46	M48	Z	13.217	13.217	0	%100
47	M50A	X	16.005	16.005	0	%100
48	M50A	Z	9.24	9.24	0	%100
49	M51C	X	5.434	5.434	0	%100





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**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.%]
50	M51C	Z	3.137	3.137	0	%100
51	M53	X	5.723	5.723	0	%100
52	M53	Z	3.304	3.304	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	10.699	10.699	0	%100
56	M59A	Z	6.177	6.177	0	%100
57	M60	X	10.699	10.699	0	%100
58	M60	Z	6.177	6.177	0	%100
59	M61	X	21.34	21.34	0	%100
60	M61	Z	12.32	12.32	0	%100
61	M64	X	2.962	2.962	0	%100
62	M64	Z	1.71	1.71	0	%100
63	M65	X	2.962	2.962	0	%100
64	M65	Z	1.71	1.71	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	5.434	5.434	0	%100
68	M70	Z	3.137	3.137	0	%100
69	M72	X	5.723	5.723	0	%100
70	M72	Z	3.304	3.304	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	5.434	5.434	0	%100
74	M75	Z	3.137	3.137	0	%100
75	M77A	X	5.723	5.723	0	%100
76	M77A	Z	3.304	3.304	0	%100
77	MP2A	X	8.447	8.447	0	%100
78	MP2A	Z	4.877	4.877	0	%100
79	MP3A	X	10.225	10.225	0	%100
80	MP3A	Z	5.904	5.904	0	%100
81	MP4A	X	8.447	8.447	0	%100
82	MP4A	Z	4.877	4.877	0	%100
83	M81A	X	3.038	3.038	0	%100
84	M81A	Z	1.754	1.754	0	%100
85	MP1C	X	8.447	8.447	0	%100
86	MP1C	Z	4.877	4.877	0	%100
87	MP4C	X	8.447	8.447	0	%100
88	MP4C	Z	4.877	4.877	0	%100
89	M90	X	12.152	12.152	0	%100
90	M90	Z	7.016	7.016	0	%100
91	MP1B	X	8.447	8.447	0	%100
92	MP1B	Z	4.877	4.877	0	%100
93	MP4B	X	8.447	8.447	0	%100
94	MP4B	Z	4.877	4.877	0	%100
95	M100	X	6.907	6.907	0	%100
96	M100	Z	3.988	3.988	0	%100
97	M102	X	2.556	2.556	0	%100
98	M102	Z	1.476	1.476	0	%100
99	M107	X	2.556	2.556	0	%100
100	M107	Z	1.476	1.476	0	%100
101	M112	X	10.225	10.225	0	%100
102	M112	Z	5.904	5.904	0	%100
103	M123	X	2.815	2.815	0	%100
104	M123	Z	1.625	1.625	0	%100
105	M124	X	11.259	11.259	0	%100
106	M124	Z	6.5	6.5	0	%100



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**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.%]
107	M125	X	2.815	2.815	0	%100
108	M125	Z	1.625	1.625	0	%100
109	M126	X	17.905	17.905	0	%100
110	M126	Z	10.337	10.337	0	%100
111	M127	X	17.905	17.905	0	%100
112	M127	Z	10.337	10.337	0	%100
113	M128	X	20.519	20.519	0	%100
114	M128	Z	11.847	11.847	0	%100
115	MP2C	X	8.447	8.447	0	%100
116	MP2C	Z	4.877	4.877	0	%100
117	MP3C	X	10.225	10.225	0	%100
118	MP3C	Z	5.904	5.904	0	%100
119	MP2B	X	8.447	8.447	0	%100
120	MP2B	Z	4.877	4.877	0	%100
121	MP3B	X	10.225	10.225	0	%100
122	MP3B	Z	5.904	5.904	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	5.262	5.262	0	%100
2	LV	Z	9.114	9.114	0	%100
3	M4	X	1.825	1.825	0	%100
4	M4	Z	3.161	3.161	0	%100
5	M10	X	4.633	4.633	0	%100
6	M10	Z	8.024	8.024	0	%100
7	MP1A	X	4.877	4.877	0	%100
8	MP1A	Z	8.447	8.447	0	%100
9	M43	X	4.633	4.633	0	%100
10	M43	Z	8.024	8.024	0	%100
11	M46	X	9.24	9.24	0	%100
12	M46	Z	16.005	16.005	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	5.131	5.131	0	%100
16	M52B	Z	8.887	8.887	0	%100
17	M76	X	3.08	3.08	0	%100
18	M76	Z	5.335	5.335	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	3.08	3.08	0	%100
24	M84	Z	5.335	5.335	0	%100
25	M85	X	9.411	9.411	0	%100
26	M85	Z	16.301	16.301	0	%100
27	M91	X	9.913	9.913	0	%100
28	M91	Z	17.169	17.169	0	%100
29	M34	X	7.3	7.3	0	%100
30	M34	Z	12.644	12.644	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	5.131	5.131	0	%100



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**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.%]
38	M40	Z	8.887	8.887	0	%100
39	M41	X	5.131	5.131	0	%100
40	M41	Z	8.887	8.887	0	%100
41	M45	X	12.32	12.32	0	%100
42	M45	Z	21.34	21.34	0	%100
43	M46A	X	9.411	9.411	0	%100
44	M46A	Z	16.301	16.301	0	%100
45	M48	X	9.913	9.913	0	%100
46	M48	Z	17.169	17.169	0	%100
47	M50A	X	12.32	12.32	0	%100
48	M50A	Z	21.34	21.34	0	%100
49	M51C	X	9.411	9.411	0	%100
50	M51C	Z	16.301	16.301	0	%100
51	M53	X	9.913	9.913	0	%100
52	M53	Z	17.169	17.169	0	%100
53	M58A	X	1.825	1.825	0	%100
54	M58A	Z	3.161	3.161	0	%100
55	M59A	X	4.633	4.633	0	%100
56	M59A	Z	8.024	8.024	0	%100
57	M60	X	4.633	4.633	0	%100
58	M60	Z	8.024	8.024	0	%100
59	M61	X	9.24	9.24	0	%100
60	M61	Z	16.005	16.005	0	%100
61	M64	X	5.131	5.131	0	%100
62	M64	Z	8.887	8.887	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	3.08	3.08	0	%100
66	M69	Z	5.335	5.335	0	%100
67	M70	X	9.411	9.411	0	%100
68	M70	Z	16.301	16.301	0	%100
69	M72	X	9.913	9.913	0	%100
70	M72	Z	17.169	17.169	0	%100
71	M74	X	3.08	3.08	0	%100
72	M74	Z	5.335	5.335	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	4.877	4.877	0	%100
78	MP2A	Z	8.447	8.447	0	%100
79	MP3A	X	5.904	5.904	0	%100
80	MP3A	Z	10.225	10.225	0	%100
81	MP4A	X	4.877	4.877	0	%100
82	MP4A	Z	8.447	8.447	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	4.877	4.877	0	%100
86	MP1C	Z	8.447	8.447	0	%100
87	MP4C	X	4.877	4.877	0	%100
88	MP4C	Z	8.447	8.447	0	%100
89	M90	X	5.262	5.262	0	%100
90	M90	Z	9.114	9.114	0	%100
91	MP1B	X	4.877	4.877	0	%100
92	MP1B	Z	8.447	8.447	0	%100
93	MP4B	X	4.877	4.877	0	%100
94	MP4B	Z	8.447	8.447	0	%100



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**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.%]
95	M100	X	3.988	3.988	0	%100
96	M100	Z	6.907	6.907	0	%100
97	M102	X	4.428	4.428	0	%100
98	M102	Z	7.669	7.669	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	4.428	4.428	0	%100
102	M112	Z	7.669	7.669	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	4.875	4.875	0	%100
106	M124	Z	8.444	8.444	0	%100
107	M125	X	4.875	4.875	0	%100
108	M125	Z	8.444	8.444	0	%100
109	M126	X	11.344	11.344	0	%100
110	M126	Z	19.648	19.648	0	%100
111	M127	X	9.834	9.834	0	%100
112	M127	Z	17.034	17.034	0	%100
113	M128	X	11.344	11.344	0	%100
114	M128	Z	19.648	19.648	0	%100
115	MP2C	X	4.877	4.877	0	%100
116	MP2C	Z	8.447	8.447	0	%100
117	MP3C	X	5.904	5.904	0	%100
118	MP3C	Z	10.225	10.225	0	%100
119	MP2B	X	4.877	4.877	0	%100
120	MP2B	Z	8.447	8.447	0	%100
121	MP3B	X	5.904	5.904	0	%100
122	MP3B	Z	10.225	10.225	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	14.031	14.031	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	12.354	12.354	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	9.754	9.754	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	12.354	12.354	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	24.641	24.641	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	3.421	3.421	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	3.421	3.421	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	6.274	6.274	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	6.609	6.609	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100



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**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.%]
26	M85	Z	6.274	6.274	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	6.609	6.609	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	10.95	10.95	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	3.088	3.088	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	3.088	3.088	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	6.16	6.16	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	3.421	3.421	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	13.683	13.683	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	18.481	18.481	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	6.274	6.274	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	6.609	6.609	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	18.481	18.481	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	25.097	25.097	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	26.434	26.434	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	10.95	10.95	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	3.088	3.088	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	3.088	3.088	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	6.16	6.16	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	13.683	13.683	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	3.421	3.421	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	18.481	18.481	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	25.097	25.097	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	26.434	26.434	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	18.481	18.481	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	6.274	6.274	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	6.609	6.609	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	9.754	9.754	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	11.807	11.807	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	9.754	9.754	0	%100



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**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.%]
83	M81A	X	0	0	0	%100
84	M81A	Z	3.508	3.508	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	9.754	9.754	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	9.754	9.754	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	3.508	3.508	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	9.754	9.754	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	9.754	9.754	0	%100
95	M100	X	0	0	0	%100
96	M100	Z	7.976	7.976	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	11.807	11.807	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	2.952	2.952	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	2.952	2.952	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	3.25	3.25	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	3.25	3.25	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	13.001	13.001	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	23.693	23.693	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	20.675	20.675	0	%100
113	M128	X	0	0	0	%100
114	M128	Z	20.675	20.675	0	%100
115	MP2C	X	0	0	0	%100
116	MP2C	Z	9.754	9.754	0	%100
117	MP3C	X	0	0	0	%100
118	MP3C	Z	11.807	11.807	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	9.754	9.754	0	%100
121	MP3B	X	0	0	0	%100
122	MP3B	Z	11.807	11.807	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-5.262	-5.262	0	%100
2	LV	Z	9.114	9.114	0	%100
3	M4	X	-1.825	-1.825	0	%100
4	M4	Z	3.161	3.161	0	%100
5	M10	X	-4.633	-4.633	0	%100
6	M10	Z	8.024	8.024	0	%100
7	MP1A	X	-4.877	-4.877	0	%100
8	MP1A	Z	8.447	8.447	0	%100
9	M43	X	-4.633	-4.633	0	%100
10	M43	Z	8.024	8.024	0	%100
11	M46	X	-9.24	-9.24	0	%100
12	M46	Z	16.005	16.005	0	%100
13	M51B	X	-5.131	-5.131	0	%100



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**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.%)
14	M51B	Z	8.887	8.887	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-3.08	-3.08	0	%100
18	M76	Z	5.335	5.335	0	%100
19	M77	X	-9.411	-9.411	0	%100
20	M77	Z	16.301	16.301	0	%100
21	M80	X	-9.913	-9.913	0	%100
22	M80	Z	17.169	17.169	0	%100
23	M84	X	-3.08	-3.08	0	%100
24	M84	Z	5.335	5.335	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-1.825	-1.825	0	%100
30	M34	Z	3.161	3.161	0	%100
31	M35	X	-4.633	-4.633	0	%100
32	M35	Z	8.024	8.024	0	%100
33	M36	X	-4.633	-4.633	0	%100
34	M36	Z	8.024	8.024	0	%100
35	M37	X	-9.24	-9.24	0	%100
36	M37	Z	16.005	16.005	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	-5.131	-5.131	0	%100
40	M41	Z	8.887	8.887	0	%100
41	M45	X	-3.08	-3.08	0	%100
42	M45	Z	5.335	5.335	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	-3.08	-3.08	0	%100
48	M50A	Z	5.335	5.335	0	%100
49	M51C	X	-9.411	-9.411	0	%100
50	M51C	Z	16.301	16.301	0	%100
51	M53	X	-9.913	-9.913	0	%100
52	M53	Z	17.169	17.169	0	%100
53	M58A	X	-7.3	-7.3	0	%100
54	M58A	Z	12.644	12.644	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	-5.131	-5.131	0	%100
62	M64	Z	8.887	8.887	0	%100
63	M65	X	-5.131	-5.131	0	%100
64	M65	Z	8.887	8.887	0	%100
65	M69	X	-12.32	-12.32	0	%100
66	M69	Z	21.34	21.34	0	%100
67	M70	X	-9.411	-9.411	0	%100
68	M70	Z	16.301	16.301	0	%100
69	M72	X	-9.913	-9.913	0	%100
70	M72	Z	17.169	17.169	0	%100



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**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.%]
71	M74	X	-12.32	-12.32	0	%100
72	M74	Z	21.34	21.34	0	%100
73	M75	X	-9.411	-9.411	0	%100
74	M75	Z	16.301	16.301	0	%100
75	M77A	X	-9.913	-9.913	0	%100
76	M77A	Z	17.169	17.169	0	%100
77	MP2A	X	-4.877	-4.877	0	%100
78	MP2A	Z	8.447	8.447	0	%100
79	MP3A	X	-5.904	-5.904	0	%100
80	MP3A	Z	10.225	10.225	0	%100
81	MP4A	X	-4.877	-4.877	0	%100
82	MP4A	Z	8.447	8.447	0	%100
83	M81A	X	-5.262	-5.262	0	%100
84	M81A	Z	9.114	9.114	0	%100
85	MP1C	X	-4.877	-4.877	0	%100
86	MP1C	Z	8.447	8.447	0	%100
87	MP4C	X	-4.877	-4.877	0	%100
88	MP4C	Z	8.447	8.447	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	-4.877	-4.877	0	%100
92	MP1B	Z	8.447	8.447	0	%100
93	MP4B	X	-4.877	-4.877	0	%100
94	MP4B	Z	8.447	8.447	0	%100
95	M100	X	-3.988	-3.988	0	%100
96	M100	Z	6.907	6.907	0	%100
97	M102	X	-4.428	-4.428	0	%100
98	M102	Z	7.669	7.669	0	%100
99	M107	X	-4.428	-4.428	0	%100
100	M107	Z	7.669	7.669	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	-4.875	-4.875	0	%100
104	M123	Z	8.444	8.444	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-4.875	-4.875	0	%100
108	M125	Z	8.444	8.444	0	%100
109	M126	X	-11.344	-11.344	0	%100
110	M126	Z	19.648	19.648	0	%100
111	M127	X	-11.344	-11.344	0	%100
112	M127	Z	19.648	19.648	0	%100
113	M128	X	-9.834	-9.834	0	%100
114	M128	Z	17.034	17.034	0	%100
115	MP2C	X	-4.877	-4.877	0	%100
116	MP2C	Z	8.447	8.447	0	%100
117	MP3C	X	-5.904	-5.904	0	%100
118	MP3C	Z	10.225	10.225	0	%100
119	MP2B	X	-4.877	-4.877	0	%100
120	MP2B	Z	8.447	8.447	0	%100
121	MP3B	X	-5.904	-5.904	0	%100
122	MP3B	Z	10.225	10.225	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-3.038	-3.038	0	%100





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**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.%]
2	LV	Z	1.754	1.754	0	%100
3	M4	X	-9.483	-9.483	0	%100
4	M4	Z	5.475	5.475	0	%100
5	M10	X	-2.675	-2.675	0	%100
6	M10	Z	1.544	1.544	0	%100
7	MP1A	X	-8.447	-8.447	0	%100
8	MP1A	Z	4.877	4.877	0	%100
9	M43	X	-2.675	-2.675	0	%100
10	M43	Z	1.544	1.544	0	%100
11	M46	X	-5.335	-5.335	0	%100
12	M46	Z	3.08	3.08	0	%100
13	M51B	X	-11.849	-11.849	0	%100
14	M51B	Z	6.841	6.841	0	%100
15	M52B	X	-2.962	-2.962	0	%100
16	M52B	Z	1.71	1.71	0	%100
17	M76	X	-16.005	-16.005	0	%100
18	M76	Z	9.24	9.24	0	%100
19	M77	X	-21.735	-21.735	0	%100
20	M77	Z	12.549	12.549	0	%100
21	M80	X	-22.893	-22.893	0	%100
22	M80	Z	13.217	13.217	0	%100
23	M84	X	-16.005	-16.005	0	%100
24	M84	Z	9.24	9.24	0	%100
25	M85	X	-5.434	-5.434	0	%100
26	M85	Z	3.137	3.137	0	%100
27	M91	X	-5.723	-5.723	0	%100
28	M91	Z	3.304	3.304	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-10.699	-10.699	0	%100
32	M35	Z	6.177	6.177	0	%100
33	M36	X	-10.699	-10.699	0	%100
34	M36	Z	6.177	6.177	0	%100
35	M37	X	-21.34	-21.34	0	%100
36	M37	Z	12.32	12.32	0	%100
37	M40	X	-2.962	-2.962	0	%100
38	M40	Z	1.71	1.71	0	%100
39	M41	X	-2.962	-2.962	0	%100
40	M41	Z	1.71	1.71	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-5.434	-5.434	0	%100
44	M46A	Z	3.137	3.137	0	%100
45	M48	X	-5.723	-5.723	0	%100
46	M48	Z	3.304	3.304	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	-5.434	-5.434	0	%100
50	M51C	Z	3.137	3.137	0	%100
51	M53	X	-5.723	-5.723	0	%100
52	M53	Z	3.304	3.304	0	%100
53	M58A	X	-9.483	-9.483	0	%100
54	M58A	Z	5.475	5.475	0	%100
55	M59A	X	-2.675	-2.675	0	%100
56	M59A	Z	1.544	1.544	0	%100
57	M60	X	-2.675	-2.675	0	%100
58	M60	Z	1.544	1.544	0	%100



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**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.%]
59	M61	X	-5.335	-5.335	0	%100
60	M61	Z	3.08	3.08	0	%100
61	M64	X	-2.962	-2.962	0	%100
62	M64	Z	1.71	1.71	0	%100
63	M65	X	-11.849	-11.849	0	%100
64	M65	Z	6.841	6.841	0	%100
65	M69	X	-16.005	-16.005	0	%100
66	M69	Z	9.24	9.24	0	%100
67	M70	X	-5.434	-5.434	0	%100
68	M70	Z	3.137	3.137	0	%100
69	M72	X	-5.723	-5.723	0	%100
70	M72	Z	3.304	3.304	0	%100
71	M74	X	-16.005	-16.005	0	%100
72	M74	Z	9.24	9.24	0	%100
73	M75	X	-21.735	-21.735	0	%100
74	M75	Z	12.549	12.549	0	%100
75	M77A	X	-22.893	-22.893	0	%100
76	M77A	Z	13.217	13.217	0	%100
77	MP2A	X	-8.447	-8.447	0	%100
78	MP2A	Z	4.877	4.877	0	%100
79	MP3A	X	-10.225	-10.225	0	%100
80	MP3A	Z	5.904	5.904	0	%100
81	MP4A	X	-8.447	-8.447	0	%100
82	MP4A	Z	4.877	4.877	0	%100
83	M81A	X	-12.152	-12.152	0	%100
84	M81A	Z	7.016	7.016	0	%100
85	MP1C	X	-8.447	-8.447	0	%100
86	MP1C	Z	4.877	4.877	0	%100
87	MP4C	X	-8.447	-8.447	0	%100
88	MP4C	Z	4.877	4.877	0	%100
89	M90	X	-3.038	-3.038	0	%100
90	M90	Z	1.754	1.754	0	%100
91	MP1B	X	-8.447	-8.447	0	%100
92	MP1B	Z	4.877	4.877	0	%100
93	MP4B	X	-8.447	-8.447	0	%100
94	MP4B	Z	4.877	4.877	0	%100
95	M100	X	-6.907	-6.907	0	%100
96	M100	Z	3.988	3.988	0	%100
97	M102	X	-2.556	-2.556	0	%100
98	M102	Z	1.476	1.476	0	%100
99	M107	X	-10.225	-10.225	0	%100
100	M107	Z	5.904	5.904	0	%100
101	M112	X	-2.556	-2.556	0	%100
102	M112	Z	1.476	1.476	0	%100
103	M123	X	-11.259	-11.259	0	%100
104	M123	Z	6.5	6.5	0	%100
105	M124	X	-2.815	-2.815	0	%100
106	M124	Z	1.625	1.625	0	%100
107	M125	X	-2.815	-2.815	0	%100
108	M125	Z	1.625	1.625	0	%100
109	M126	X	-17.905	-17.905	0	%100
110	M126	Z	10.337	10.337	0	%100
111	M127	X	-20.519	-20.519	0	%100
112	M127	Z	11.847	11.847	0	%100
113	M128	X	-17.905	-17.905	0	%100
114	M128	Z	10.337	10.337	0	%100
115	MP2C	X	-8.447	-8.447	0	%100



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**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.%]
116	MP2C	Z	4.877	4.877	0	%100
117	MP3C	X	-10.225	-10.225	0	%100
118	MP3C	Z	5.904	5.904	0	%100
119	MP2B	X	-8.447	-8.447	0	%100
120	MP2B	Z	4.877	4.877	0	%100
121	MP3B	X	-10.225	-10.225	0	%100
122	MP3B	Z	5.904	5.904	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M4	X	-14.6	-14.6	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-9.754	-9.754	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-10.262	-10.262	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-10.262	-10.262	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-24.641	-24.641	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-18.823	-18.823	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-19.826	-19.826	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-24.641	-24.641	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-18.823	-18.823	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-19.826	-19.826	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-3.65	-3.65	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-9.265	-9.265	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	-9.265	-9.265	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	-18.481	-18.481	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-10.262	-10.262	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	-6.16	-6.16	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-18.823	-18.823	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	-19.826	-19.826	0	%100
46	M48	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, %]
47	M50A	X	-6.16	-6.16	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	-3.65	-3.65	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-9.265	-9.265	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	-9.265	-9.265	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	-18.481	-18.481	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	-10.262	-10.262	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-6.16	-6.16	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	-6.16	-6.16	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-18.823	-18.823	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	-19.826	-19.826	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-9.754	-9.754	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	-11.807	-11.807	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-9.754	-9.754	0	%100
82	MP4A	Z	0	0	0	%100
83	M81A	X	-10.524	-10.524	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-9.754	-9.754	0	%100
86	MP1C	Z	0	0	0	%100
87	MP4C	X	-9.754	-9.754	0	%100
88	MP4C	Z	0	0	0	%100
89	M90	X	-10.524	-10.524	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	-9.754	-9.754	0	%100
92	MP1B	Z	0	0	0	%100
93	MP4B	X	-9.754	-9.754	0	%100
94	MP4B	Z	0	0	0	%100
95	M100	X	-7.976	-7.976	0	%100
96	M100	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	X	-8.855	-8.855	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	-8.855	-8.855	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	-9.751	-9.751	0	%100



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**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.%]
104	M123	Z	0	0	0	%100
105	M124	X	-9.751	-9.751	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	-19.669	-19.669	0	%100
110	M126	Z	0	0	0	%100
111	M127	X	-22.687	-22.687	0	%100
112	M127	Z	0	0	0	%100
113	M128	X	-22.687	-22.687	0	%100
114	M128	Z	0	0	0	%100
115	MP2C	X	-9.754	-9.754	0	%100
116	MP2C	Z	0	0	0	%100
117	MP3C	X	-11.807	-11.807	0	%100
118	MP3C	Z	0	0	0	%100
119	MP2B	X	-9.754	-9.754	0	%100
120	MP2B	Z	0	0	0	%100
121	MP3B	X	-11.807	-11.807	0	%100
122	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-3.038	-3.038	0	%100
2	LV	Z	-1.754	-1.754	0	%100
3	M4	X	-9.483	-9.483	0	%100
4	M4	Z	-5.475	-5.475	0	%100
5	M10	X	-2.675	-2.675	0	%100
6	M10	Z	-1.544	-1.544	0	%100
7	MP1A	X	-8.447	-8.447	0	%100
8	MP1A	Z	-4.877	-4.877	0	%100
9	M43	X	-2.675	-2.675	0	%100
10	M43	Z	-1.544	-1.544	0	%100
11	M46	X	-5.335	-5.335	0	%100
12	M46	Z	-3.08	-3.08	0	%100
13	M51B	X	-2.962	-2.962	0	%100
14	M51B	Z	-1.71	-1.71	0	%100
15	M52B	X	-11.849	-11.849	0	%100
16	M52B	Z	-6.841	-6.841	0	%100
17	M76	X	-16.005	-16.005	0	%100
18	M76	Z	-9.24	-9.24	0	%100
19	M77	X	-5.434	-5.434	0	%100
20	M77	Z	-3.137	-3.137	0	%100
21	M80	X	-5.723	-5.723	0	%100
22	M80	Z	-3.304	-3.304	0	%100
23	M84	X	-16.005	-16.005	0	%100
24	M84	Z	-9.24	-9.24	0	%100
25	M85	X	-21.735	-21.735	0	%100
26	M85	Z	-12.549	-12.549	0	%100
27	M91	X	-22.893	-22.893	0	%100
28	M91	Z	-13.217	-13.217	0	%100
29	M34	X	-9.483	-9.483	0	%100
30	M34	Z	-5.475	-5.475	0	%100
31	M35	X	-2.675	-2.675	0	%100
32	M35	Z	-1.544	-1.544	0	%100
33	M36	X	-2.675	-2.675	0	%100
34	M36	Z	-1.544	-1.544	0	%100



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**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.%]
35	M37	X	-5.335	-5.335	0	%100
36	M37	Z	-3.08	-3.08	0	%100
37	M40	X	-11.849	-11.849	0	%100
38	M40	Z	-6.841	-6.841	0	%100
39	M41	X	-2.962	-2.962	0	%100
40	M41	Z	-1.71	-1.71	0	%100
41	M45	X	-16.005	-16.005	0	%100
42	M45	Z	-9.24	-9.24	0	%100
43	M46A	X	-21.735	-21.735	0	%100
44	M46A	Z	-12.549	-12.549	0	%100
45	M48	X	-22.893	-22.893	0	%100
46	M48	Z	-13.217	-13.217	0	%100
47	M50A	X	-16.005	-16.005	0	%100
48	M50A	Z	-9.24	-9.24	0	%100
49	M51C	X	-5.434	-5.434	0	%100
50	M51C	Z	-3.137	-3.137	0	%100
51	M53	X	-5.723	-5.723	0	%100
52	M53	Z	-3.304	-3.304	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-10.699	-10.699	0	%100
56	M59A	Z	-6.177	-6.177	0	%100
57	M60	X	-10.699	-10.699	0	%100
58	M60	Z	-6.177	-6.177	0	%100
59	M61	X	-21.34	-21.34	0	%100
60	M61	Z	-12.32	-12.32	0	%100
61	M64	X	-2.962	-2.962	0	%100
62	M64	Z	-1.71	-1.71	0	%100
63	M65	X	-2.962	-2.962	0	%100
64	M65	Z	-1.71	-1.71	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	-5.434	-5.434	0	%100
68	M70	Z	-3.137	-3.137	0	%100
69	M72	X	-5.723	-5.723	0	%100
70	M72	Z	-3.304	-3.304	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-5.434	-5.434	0	%100
74	M75	Z	-3.137	-3.137	0	%100
75	M77A	X	-5.723	-5.723	0	%100
76	M77A	Z	-3.304	-3.304	0	%100
77	MP2A	X	-8.447	-8.447	0	%100
78	MP2A	Z	-4.877	-4.877	0	%100
79	MP3A	X	-10.225	-10.225	0	%100
80	MP3A	Z	-5.904	-5.904	0	%100
81	MP4A	X	-8.447	-8.447	0	%100
82	MP4A	Z	-4.877	-4.877	0	%100
83	M81A	X	-3.038	-3.038	0	%100
84	M81A	Z	-1.754	-1.754	0	%100
85	MP1C	X	-8.447	-8.447	0	%100
86	MP1C	Z	-4.877	-4.877	0	%100
87	MP4C	X	-8.447	-8.447	0	%100
88	MP4C	Z	-4.877	-4.877	0	%100
89	M90	X	-12.152	-12.152	0	%100
90	M90	Z	-7.016	-7.016	0	%100
91	MP1B	X	-8.447	-8.447	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.%]
92	MP1B	Z	-4.877	-4.877	0	%100
93	MP4B	X	-8.447	-8.447	0	%100
94	MP4B	Z	-4.877	-4.877	0	%100
95	M100	X	-6.907	-6.907	0	%100
96	M100	Z	-3.988	-3.988	0	%100
97	M102	X	-2.556	-2.556	0	%100
98	M102	Z	-1.476	-1.476	0	%100
99	M107	X	-2.556	-2.556	0	%100
100	M107	Z	-1.476	-1.476	0	%100
101	M112	X	-10.225	-10.225	0	%100
102	M112	Z	-5.904	-5.904	0	%100
103	M123	X	-2.815	-2.815	0	%100
104	M123	Z	-1.625	-1.625	0	%100
105	M124	X	-11.259	-11.259	0	%100
106	M124	Z	-6.5	-6.5	0	%100
107	M125	X	-2.815	-2.815	0	%100
108	M125	Z	-1.625	-1.625	0	%100
109	M126	X	-17.905	-17.905	0	%100
110	M126	Z	-10.337	-10.337	0	%100
111	M127	X	-17.905	-17.905	0	%100
112	M127	Z	-10.337	-10.337	0	%100
113	M128	X	-20.519	-20.519	0	%100
114	M128	Z	-11.847	-11.847	0	%100
115	MP2C	X	-8.447	-8.447	0	%100
116	MP2C	Z	-4.877	-4.877	0	%100
117	MP3C	X	-10.225	-10.225	0	%100
118	MP3C	Z	-5.904	-5.904	0	%100
119	MP2B	X	-8.447	-8.447	0	%100
120	MP2B	Z	-4.877	-4.877	0	%100
121	MP3B	X	-10.225	-10.225	0	%100
122	MP3B	Z	-5.904	-5.904	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-5.262	-5.262	0	%100
2	LV	Z	-9.114	-9.114	0	%100
3	M4	X	-1.825	-1.825	0	%100
4	M4	Z	-3.161	-3.161	0	%100
5	M10	X	-4.633	-4.633	0	%100
6	M10	Z	-8.024	-8.024	0	%100
7	MP1A	X	-4.877	-4.877	0	%100
8	MP1A	Z	-8.447	-8.447	0	%100
9	M43	X	-4.633	-4.633	0	%100
10	M43	Z	-8.024	-8.024	0	%100
11	M46	X	-9.24	-9.24	0	%100
12	M46	Z	-16.005	-16.005	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-5.131	-5.131	0	%100
16	M52B	Z	-8.887	-8.887	0	%100
17	M76	X	-3.08	-3.08	0	%100
18	M76	Z	-5.335	-5.335	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100



Company :  
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**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.%]
23	M84	X	-3.08	-3.08	0	%100
24	M84	Z	-5.335	-5.335	0	%100
25	M85	X	-9.411	-9.411	0	%100
26	M85	Z	-16.301	-16.301	0	%100
27	M91	X	-9.913	-9.913	0	%100
28	M91	Z	-17.169	-17.169	0	%100
29	M34	X	-7.3	-7.3	0	%100
30	M34	Z	-12.644	-12.644	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-5.131	-5.131	0	%100
38	M40	Z	-8.887	-8.887	0	%100
39	M41	X	-5.131	-5.131	0	%100
40	M41	Z	-8.887	-8.887	0	%100
41	M45	X	-12.32	-12.32	0	%100
42	M45	Z	-21.34	-21.34	0	%100
43	M46A	X	-9.411	-9.411	0	%100
44	M46A	Z	-16.301	-16.301	0	%100
45	M48	X	-9.913	-9.913	0	%100
46	M48	Z	-17.169	-17.169	0	%100
47	M50A	X	-12.32	-12.32	0	%100
48	M50A	Z	-21.34	-21.34	0	%100
49	M51C	X	-9.411	-9.411	0	%100
50	M51C	Z	-16.301	-16.301	0	%100
51	M53	X	-9.913	-9.913	0	%100
52	M53	Z	-17.169	-17.169	0	%100
53	M58A	X	-1.825	-1.825	0	%100
54	M58A	Z	-3.161	-3.161	0	%100
55	M59A	X	-4.633	-4.633	0	%100
56	M59A	Z	-8.024	-8.024	0	%100
57	M60	X	-4.633	-4.633	0	%100
58	M60	Z	-8.024	-8.024	0	%100
59	M61	X	-9.24	-9.24	0	%100
60	M61	Z	-16.005	-16.005	0	%100
61	M64	X	-5.131	-5.131	0	%100
62	M64	Z	-8.887	-8.887	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-3.08	-3.08	0	%100
66	M69	Z	-5.335	-5.335	0	%100
67	M70	X	-9.411	-9.411	0	%100
68	M70	Z	-16.301	-16.301	0	%100
69	M72	X	-9.913	-9.913	0	%100
70	M72	Z	-17.169	-17.169	0	%100
71	M74	X	-3.08	-3.08	0	%100
72	M74	Z	-5.335	-5.335	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-4.877	-4.877	0	%100
78	MP2A	Z	-8.447	-8.447	0	%100
79	MP3A	X	-5.904	-5.904	0	%100





Company :  
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**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.%]
80	MP3A	Z	-10.225	-10.225	0	%100
81	MP4A	X	-4.877	-4.877	0	%100
82	MP4A	Z	-8.447	-8.447	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-4.877	-4.877	0	%100
86	MP1C	Z	-8.447	-8.447	0	%100
87	MP4C	X	-4.877	-4.877	0	%100
88	MP4C	Z	-8.447	-8.447	0	%100
89	M90	X	-5.262	-5.262	0	%100
90	M90	Z	-9.114	-9.114	0	%100
91	MP1B	X	-4.877	-4.877	0	%100
92	MP1B	Z	-8.447	-8.447	0	%100
93	MP4B	X	-4.877	-4.877	0	%100
94	MP4B	Z	-8.447	-8.447	0	%100
95	M100	X	-3.988	-3.988	0	%100
96	M100	Z	-6.907	-6.907	0	%100
97	M102	X	-4.428	-4.428	0	%100
98	M102	Z	-7.669	-7.669	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	-4.428	-4.428	0	%100
102	M112	Z	-7.669	-7.669	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	-4.875	-4.875	0	%100
106	M124	Z	-8.444	-8.444	0	%100
107	M125	X	-4.875	-4.875	0	%100
108	M125	Z	-8.444	-8.444	0	%100
109	M126	X	-11.344	-11.344	0	%100
110	M126	Z	-19.648	-19.648	0	%100
111	M127	X	-9.834	-9.834	0	%100
112	M127	Z	-17.034	-17.034	0	%100
113	M128	X	-11.344	-11.344	0	%100
114	M128	Z	-19.648	-19.648	0	%100
115	MP2C	X	-4.877	-4.877	0	%100
116	MP2C	Z	-8.447	-8.447	0	%100
117	MP3C	X	-5.904	-5.904	0	%100
118	MP3C	Z	-10.225	-10.225	0	%100
119	MP2B	X	-4.877	-4.877	0	%100
120	MP2B	Z	-8.447	-8.447	0	%100
121	MP3B	X	-5.904	-5.904	0	%100
122	MP3B	Z	-10.225	-10.225	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	-5.023	-5.023	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-3.898	-3.898	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-4.023	-4.023	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-3.898	-3.898	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.%]
11	M46	X	0	0	0	%100
12	M46	Z	-5.851	-5.851	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-1.105	-1.105	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-1.105	-1.105	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-1.47	-1.47	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-1.53	-1.53	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-1.47	-1.47	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	-1.53	-1.53	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	-3.561	-3.561	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	-975	-975	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	-975	-975	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	-1.463	-1.463	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	-1.105	-1.105	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	-4.421	-4.421	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	-4.35	-4.35	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	-1.47	-1.47	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	-1.53	-1.53	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	-4.35	-4.35	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	-5.88	-5.88	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	-6.119	-6.119	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	-3.561	-3.561	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	-975	-975	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	-975	-975	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	-1.463	-1.463	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	-4.421	-4.421	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	-1.105	-1.105	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-4.35	-4.35	0	%100
67	M70	X	0	0	0	%100



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**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.%]
68	M70	Z	-5.88	-5.88	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	-6.119	-6.119	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	-4.35	-4.35	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	-1.47	-1.47	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	-1.53	-1.53	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-4.023	-4.023	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-4.386	-4.386	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-4.023	-4.023	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	-1.256	-1.256	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-4.023	-4.023	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-4.023	-4.023	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	-1.256	-1.256	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	-4.023	-4.023	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	-4.023	-4.023	0	%100
95	M100	X	0	0	0	%100
96	M100	Z	-3.226	-3.226	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	-4.57	-4.57	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	-1.142	-1.142	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	-1.142	-1.142	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	-948	-948	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	-948	-948	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	-3.791	-3.791	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	-5.784	-5.784	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	-5.73	-5.73	0	%100
113	M128	X	0	0	0	%100
114	M128	Z	-5.73	-5.73	0	%100
115	MP2C	X	0	0	0	%100
116	MP2C	Z	-4.023	-4.023	0	%100
117	MP3C	X	0	0	0	%100
118	MP3C	Z	-4.386	-4.386	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	-4.023	-4.023	0	%100
121	MP3B	X	0	0	0	%100
122	MP3B	Z	-4.386	-4.386	0	%100



Company :  
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**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	LV	X	1.884	1.884	0	%100
2	LV	Z	-3.262	-3.262	0	%100
3	M4	X	.593	.593	0	%100
4	M4	Z	-1.028	-1.028	0	%100
5	M10	X	1.462	1.462	0	%100
6	M10	Z	-2.532	-2.532	0	%100
7	MP1A	X	2.012	2.012	0	%100
8	MP1A	Z	-3.484	-3.484	0	%100
9	M43	X	1.462	1.462	0	%100
10	M43	Z	-2.532	-2.532	0	%100
11	M46	X	2.194	2.194	0	%100
12	M46	Z	-3.8	-3.8	0	%100
13	M51B	X	1.658	1.658	0	%100
14	M51B	Z	-2.871	-2.871	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	.725	.725	0	%100
18	M76	Z	-1.256	-1.256	0	%100
19	M77	X	2.205	2.205	0	%100
20	M77	Z	-3.819	-3.819	0	%100
21	M80	X	2.295	2.295	0	%100
22	M80	Z	-3.974	-3.974	0	%100
23	M84	X	.725	.725	0	%100
24	M84	Z	-1.256	-1.256	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	.593	.593	0	%100
30	M34	Z	-1.028	-1.028	0	%100
31	M35	X	1.462	1.462	0	%100
32	M35	Z	-2.532	-2.532	0	%100
33	M36	X	1.462	1.462	0	%100
34	M36	Z	-2.532	-2.532	0	%100
35	M37	X	2.194	2.194	0	%100
36	M37	Z	-3.8	-3.8	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	1.658	1.658	0	%100
40	M41	Z	-2.871	-2.871	0	%100
41	M45	X	.725	.725	0	%100
42	M45	Z	-1.256	-1.256	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	.725	.725	0	%100
48	M50A	Z	-1.256	-1.256	0	%100
49	M51C	X	2.205	2.205	0	%100
50	M51C	Z	-3.819	-3.819	0	%100
51	M53	X	2.295	2.295	0	%100
52	M53	Z	-3.974	-3.974	0	%100
53	M58A	X	2.374	2.374	0	%100
54	M58A	Z	-4.112	-4.112	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	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.%]
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	1.658	1.658	0	%100
62	M64	Z	-2.871	-2.871	0	%100
63	M65	X	1.658	1.658	0	%100
64	M65	Z	-2.871	-2.871	0	%100
65	M69	X	2.9	2.9	0	%100
66	M69	Z	-5.023	-5.023	0	%100
67	M70	X	2.205	2.205	0	%100
68	M70	Z	-3.819	-3.819	0	%100
69	M72	X	2.295	2.295	0	%100
70	M72	Z	-3.974	-3.974	0	%100
71	M74	X	2.9	2.9	0	%100
72	M74	Z	-5.023	-5.023	0	%100
73	M75	X	2.205	2.205	0	%100
74	M75	Z	-3.819	-3.819	0	%100
75	M77A	X	2.295	2.295	0	%100
76	M77A	Z	-3.974	-3.974	0	%100
77	MP2A	X	2.012	2.012	0	%100
78	MP2A	Z	-3.484	-3.484	0	%100
79	MP3A	X	2.193	2.193	0	%100
80	MP3A	Z	-3.798	-3.798	0	%100
81	MP4A	X	2.012	2.012	0	%100
82	MP4A	Z	-3.484	-3.484	0	%100
83	M81A	X	1.884	1.884	0	%100
84	M81A	Z	-3.262	-3.262	0	%100
85	MP1C	X	2.012	2.012	0	%100
86	MP1C	Z	-3.484	-3.484	0	%100
87	MP4C	X	2.012	2.012	0	%100
88	MP4C	Z	-3.484	-3.484	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	2.012	2.012	0	%100
92	MP1B	Z	-3.484	-3.484	0	%100
93	MP4B	X	2.012	2.012	0	%100
94	MP4B	Z	-3.484	-3.484	0	%100
95	M100	X	1.613	1.613	0	%100
96	M100	Z	-2.794	-2.794	0	%100
97	M102	X	1.714	1.714	0	%100
98	M102	Z	-2.968	-2.968	0	%100
99	M107	X	1.714	1.714	0	%100
100	M107	Z	-2.968	-2.968	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	1.422	1.422	0	%100
104	M123	Z	-2.462	-2.462	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	1.421	1.421	0	%100
108	M125	Z	-2.462	-2.462	0	%100
109	M126	X	2.883	2.883	0	%100
110	M126	Z	-4.994	-4.994	0	%100
111	M127	X	2.883	2.883	0	%100
112	M127	Z	-4.994	-4.994	0	%100
113	M128	X	2.856	2.856	0	%100
114	M128	Z	-4.947	-4.947	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

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**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.%]
115	MP2C	X	2.012	2.012	0	%100
116	MP2C	Z	-3.484	-3.484	0	%100
117	MP3C	X	2.193	2.193	0	%100
118	MP3C	Z	-3.798	-3.798	0	%100
119	MP2B	X	2.012	2.012	0	%100
120	MP2B	Z	-3.484	-3.484	0	%100
121	MP3B	X	2.193	2.193	0	%100
122	MP3B	Z	-3.798	-3.798	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	1.087	1.087	0	%100
2	LV	Z	-628	-628	0	%100
3	M4	X	3.084	3.084	0	%100
4	M4	Z	-1.78	-1.78	0	%100
5	M10	X	.844	.844	0	%100
6	M10	Z	-.487	-.487	0	%100
7	MP1A	X	3.484	3.484	0	%100
8	MP1A	Z	-2.012	-2.012	0	%100
9	M43	X	.844	.844	0	%100
10	M43	Z	-.487	-.487	0	%100
11	M46	X	1.267	1.267	0	%100
12	M46	Z	-.731	-.731	0	%100
13	M51B	X	3.828	3.828	0	%100
14	M51B	Z	-2.21	-2.21	0	%100
15	M52B	X	.957	.957	0	%100
16	M52B	Z	-.553	-.553	0	%100
17	M76	X	3.767	3.767	0	%100
18	M76	Z	-2.175	-2.175	0	%100
19	M77	X	5.093	5.093	0	%100
20	M77	Z	-2.94	-2.94	0	%100
21	M80	X	5.299	5.299	0	%100
22	M80	Z	-3.059	-3.059	0	%100
23	M84	X	3.767	3.767	0	%100
24	M84	Z	-2.175	-2.175	0	%100
25	M85	X	1.273	1.273	0	%100
26	M85	Z	-.735	-.735	0	%100
27	M91	X	1.325	1.325	0	%100
28	M91	Z	-.765	-.765	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	3.376	3.376	0	%100
32	M35	Z	-1.949	-1.949	0	%100
33	M36	X	3.376	3.376	0	%100
34	M36	Z	-1.949	-1.949	0	%100
35	M37	X	5.067	5.067	0	%100
36	M37	Z	-2.925	-2.925	0	%100
37	M40	X	.957	.957	0	%100
38	M40	Z	-.553	-.553	0	%100
39	M41	X	.957	.957	0	%100
40	M41	Z	-.553	-.553	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	1.273	1.273	0	%100
44	M46A	Z	-.735	-.735	0	%100
45	M48	X	1.325	1.325	0	%100



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**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.%]
46	M48	Z	-765	-765	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	1.273	1.273	0	%100
50	M51C	Z	-735	-735	0	%100
51	M53	X	1.325	1.325	0	%100
52	M53	Z	-765	-765	0	%100
53	M58A	X	3.084	3.084	0	%100
54	M58A	Z	-1.78	-1.78	0	%100
55	M59A	X	.844	.844	0	%100
56	M59A	Z	-.487	-.487	0	%100
57	M60	X	.844	.844	0	%100
58	M60	Z	-.487	-.487	0	%100
59	M61	X	1.267	1.267	0	%100
60	M61	Z	-.731	-.731	0	%100
61	M64	X	.957	.957	0	%100
62	M64	Z	-.553	-.553	0	%100
63	M65	X	3.828	3.828	0	%100
64	M65	Z	-2.21	-2.21	0	%100
65	M69	X	3.767	3.767	0	%100
66	M69	Z	-2.175	-2.175	0	%100
67	M70	X	1.273	1.273	0	%100
68	M70	Z	-.735	-.735	0	%100
69	M72	X	1.325	1.325	0	%100
70	M72	Z	-.765	-.765	0	%100
71	M74	X	3.767	3.767	0	%100
72	M74	Z	-2.175	-2.175	0	%100
73	M75	X	5.093	5.093	0	%100
74	M75	Z	-2.94	-2.94	0	%100
75	M77A	X	5.299	5.299	0	%100
76	M77A	Z	-3.059	-3.059	0	%100
77	MP2A	X	3.484	3.484	0	%100
78	MP2A	Z	-2.012	-2.012	0	%100
79	MP3A	X	3.798	3.798	0	%100
80	MP3A	Z	-2.193	-2.193	0	%100
81	MP4A	X	3.484	3.484	0	%100
82	MP4A	Z	-2.012	-2.012	0	%100
83	M81A	X	4.35	4.35	0	%100
84	M81A	Z	-2.511	-2.511	0	%100
85	MP1C	X	3.484	3.484	0	%100
86	MP1C	Z	-2.012	-2.012	0	%100
87	MP4C	X	3.484	3.484	0	%100
88	MP4C	Z	-2.012	-2.012	0	%100
89	M90	X	1.087	1.087	0	%100
90	M90	Z	-.628	-.628	0	%100
91	MP1B	X	3.484	3.484	0	%100
92	MP1B	Z	-2.012	-2.012	0	%100
93	MP4B	X	3.484	3.484	0	%100
94	MP4B	Z	-2.012	-2.012	0	%100
95	M100	X	2.794	2.794	0	%100
96	M100	Z	-1.613	-1.613	0	%100
97	M102	X	.989	.989	0	%100
98	M102	Z	-.571	-.571	0	%100
99	M107	X	3.958	3.958	0	%100
100	M107	Z	-2.285	-2.285	0	%100
101	M112	X	.989	.989	0	%100
102	M112	Z	-.571	-.571	0	%100



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**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.%]
103	M123	X	3.283	3.283	0	%100
104	M123	Z	-1.895	-1.895	0	%100
105	M124	X	.821	.821	0	%100
106	M124	Z	-.474	-.474	0	%100
107	M125	X	.821	.821	0	%100
108	M125	Z	-.474	-.474	0	%100
109	M126	X	4.962	4.962	0	%100
110	M126	Z	-2.865	-2.865	0	%100
111	M127	X	5.009	5.009	0	%100
112	M127	Z	-2.892	-2.892	0	%100
113	M128	X	4.962	4.962	0	%100
114	M128	Z	-2.865	-2.865	0	%100
115	MP2C	X	3.484	3.484	0	%100
116	MP2C	Z	-2.012	-2.012	0	%100
117	MP3C	X	3.798	3.798	0	%100
118	MP3C	Z	-2.193	-2.193	0	%100
119	MP2B	X	3.484	3.484	0	%100
120	MP2B	Z	-2.012	-2.012	0	%100
121	MP3B	X	3.798	3.798	0	%100
122	MP3B	Z	-2.193	-2.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M4	X	4.748	4.748	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	4.023	4.023	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	3.316	3.316	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	3.316	3.316	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	5.8	5.8	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	4.41	4.41	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	4.589	4.589	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	5.8	5.8	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	4.41	4.41	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	4.589	4.589	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	1.187	1.187	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	2.924	2.924	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	2.924	2.924	0	%100





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**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.%]
34	M36	Z	0	0	0	%100
35	M37	X	4.388	4.388	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	3.316	3.316	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	1.45	1.45	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	4.41	4.41	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	4.589	4.589	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	1.45	1.45	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	1.187	1.187	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	2.924	2.924	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	2.924	2.924	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	4.388	4.388	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	3.316	3.316	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	1.45	1.45	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	1.45	1.45	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	4.41	4.41	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	4.589	4.589	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	4.023	4.023	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	4.386	4.386	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	4.023	4.023	0	%100
82	MP4A	Z	0	0	0	%100
83	M81A	X	3.767	3.767	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	4.023	4.023	0	%100
86	MP1C	Z	0	0	0	%100
87	MP4C	X	4.023	4.023	0	%100
88	MP4C	Z	0	0	0	%100
89	M90	X	3.767	3.767	0	%100
90	M90	Z	0	0	0	%100



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**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.%]
91	MP1B	X	4.023	4.023	0	%100
92	MP1B	Z	0	0	0	%100
93	MP4B	X	4.023	4.023	0	%100
94	MP4B	Z	0	0	0	%100
95	M100	X	3.226	3.226	0	%100
96	M100	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	X	3.427	3.427	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	3.427	3.427	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	2.843	2.843	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	2.843	2.843	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	5.712	5.712	0	%100
110	M126	Z	0	0	0	%100
111	M127	X	5.766	5.766	0	%100
112	M127	Z	0	0	0	%100
113	M128	X	5.766	5.766	0	%100
114	M128	Z	0	0	0	%100
115	MP2C	X	4.023	4.023	0	%100
116	MP2C	Z	0	0	0	%100
117	MP3C	X	4.386	4.386	0	%100
118	MP3C	Z	0	0	0	%100
119	MP2B	X	4.023	4.023	0	%100
120	MP2B	Z	0	0	0	%100
121	MP3B	X	4.386	4.386	0	%100
122	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	1.087	1.087	0	%100
2	LV	Z	.628	.628	0	%100
3	M4	X	3.084	3.084	0	%100
4	M4	Z	1.78	1.78	0	%100
5	M10	X	.844	.844	0	%100
6	M10	Z	.487	.487	0	%100
7	MP1A	X	3.484	3.484	0	%100
8	MP1A	Z	2.012	2.012	0	%100
9	M43	X	.844	.844	0	%100
10	M43	Z	.487	.487	0	%100
11	M46	X	1.267	1.267	0	%100
12	M46	Z	.731	.731	0	%100
13	M51B	X	.957	.957	0	%100
14	M51B	Z	.553	.553	0	%100
15	M52B	X	3.828	3.828	0	%100
16	M52B	Z	2.21	2.21	0	%100
17	M76	X	3.767	3.767	0	%100
18	M76	Z	2.175	2.175	0	%100
19	M77	X	1.273	1.273	0	%100
20	M77	Z	.735	.735	0	%100
21	M80	X	1.325	1.325	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.%]
22	M80	Z	.765	.765	0	%100
23	M84	X	3.767	3.767	0	%100
24	M84	Z	2.175	2.175	0	%100
25	M85	X	5.093	5.093	0	%100
26	M85	Z	2.94	2.94	0	%100
27	M91	X	5.299	5.299	0	%100
28	M91	Z	3.059	3.059	0	%100
29	M34	X	3.084	3.084	0	%100
30	M34	Z	1.78	1.78	0	%100
31	M35	X	.844	.844	0	%100
32	M35	Z	.487	.487	0	%100
33	M36	X	.844	.844	0	%100
34	M36	Z	.487	.487	0	%100
35	M37	X	1.267	1.267	0	%100
36	M37	Z	.731	.731	0	%100
37	M40	X	3.828	3.828	0	%100
38	M40	Z	2.21	2.21	0	%100
39	M41	X	.957	.957	0	%100
40	M41	Z	.553	.553	0	%100
41	M45	X	3.767	3.767	0	%100
42	M45	Z	2.175	2.175	0	%100
43	M46A	X	5.093	5.093	0	%100
44	M46A	Z	2.94	2.94	0	%100
45	M48	X	5.299	5.299	0	%100
46	M48	Z	3.059	3.059	0	%100
47	M50A	X	3.767	3.767	0	%100
48	M50A	Z	2.175	2.175	0	%100
49	M51C	X	1.273	1.273	0	%100
50	M51C	Z	.735	.735	0	%100
51	M53	X	1.325	1.325	0	%100
52	M53	Z	.765	.765	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	3.376	3.376	0	%100
56	M59A	Z	1.949	1.949	0	%100
57	M60	X	3.376	3.376	0	%100
58	M60	Z	1.949	1.949	0	%100
59	M61	X	5.067	5.067	0	%100
60	M61	Z	2.925	2.925	0	%100
61	M64	X	.957	.957	0	%100
62	M64	Z	.553	.553	0	%100
63	M65	X	.957	.957	0	%100
64	M65	Z	.553	.553	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	1.273	1.273	0	%100
68	M70	Z	.735	.735	0	%100
69	M72	X	1.325	1.325	0	%100
70	M72	Z	.765	.765	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	1.273	1.273	0	%100
74	M75	Z	.735	.735	0	%100
75	M77A	X	1.325	1.325	0	%100
76	M77A	Z	.765	.765	0	%100
77	MP2A	X	3.484	3.484	0	%100
78	MP2A	Z	2.012	2.012	0	%100



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**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.%]
79	MP3A	X	3.798	3.798	0	%100
80	MP3A	Z	2.193	2.193	0	%100
81	MP4A	X	3.484	3.484	0	%100
82	MP4A	Z	2.012	2.012	0	%100
83	M81A	X	1.087	1.087	0	%100
84	M81A	Z	.628	.628	0	%100
85	MP1C	X	3.484	3.484	0	%100
86	MP1C	Z	2.012	2.012	0	%100
87	MP4C	X	3.484	3.484	0	%100
88	MP4C	Z	2.012	2.012	0	%100
89	M90	X	4.35	4.35	0	%100
90	M90	Z	2.511	2.511	0	%100
91	MP1B	X	3.484	3.484	0	%100
92	MP1B	Z	2.012	2.012	0	%100
93	MP4B	X	3.484	3.484	0	%100
94	MP4B	Z	2.012	2.012	0	%100
95	M100	X	2.794	2.794	0	%100
96	M100	Z	1.613	1.613	0	%100
97	M102	X	.989	.989	0	%100
98	M102	Z	.571	.571	0	%100
99	M107	X	.989	.989	0	%100
100	M107	Z	.571	.571	0	%100
101	M112	X	3.958	3.958	0	%100
102	M112	Z	2.285	2.285	0	%100
103	M123	X	.821	.821	0	%100
104	M123	Z	.474	.474	0	%100
105	M124	X	3.283	3.283	0	%100
106	M124	Z	1.895	1.895	0	%100
107	M125	X	.821	.821	0	%100
108	M125	Z	.474	.474	0	%100
109	M126	X	4.962	4.962	0	%100
110	M126	Z	2.865	2.865	0	%100
111	M127	X	4.962	4.962	0	%100
112	M127	Z	2.865	2.865	0	%100
113	M128	X	5.009	5.009	0	%100
114	M128	Z	2.892	2.892	0	%100
115	MP2C	X	3.484	3.484	0	%100
116	MP2C	Z	2.012	2.012	0	%100
117	MP3C	X	3.798	3.798	0	%100
118	MP3C	Z	2.193	2.193	0	%100
119	MP2B	X	3.484	3.484	0	%100
120	MP2B	Z	2.012	2.012	0	%100
121	MP3B	X	3.798	3.798	0	%100
122	MP3B	Z	2.193	2.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	1.884	1.884	0	%100
2	LV	Z	3.262	3.262	0	%100
3	M4	X	.593	.593	0	%100
4	M4	Z	1.028	1.028	0	%100
5	M10	X	1.462	1.462	0	%100
6	M10	Z	2.532	2.532	0	%100
7	MP1A	X	2.012	2.012	0	%100
8	MP1A	Z	3.484	3.484	0	%100
9	M43	X	1.462	1.462	0	%100



Company :  
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**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.%]
10	M43	Z	2.532	2.532	0	%100
11	M46	X	2.194	2.194	0	%100
12	M46	Z	3.8	3.8	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	1.658	1.658	0	%100
16	M52B	Z	2.871	2.871	0	%100
17	M76	X	.725	.725	0	%100
18	M76	Z	1.256	1.256	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	.725	.725	0	%100
24	M84	Z	1.256	1.256	0	%100
25	M85	X	2.205	2.205	0	%100
26	M85	Z	3.819	3.819	0	%100
27	M91	X	2.295	2.295	0	%100
28	M91	Z	3.974	3.974	0	%100
29	M34	X	2.374	2.374	0	%100
30	M34	Z	4.112	4.112	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	1.658	1.658	0	%100
38	M40	Z	2.871	2.871	0	%100
39	M41	X	1.658	1.658	0	%100
40	M41	Z	2.871	2.871	0	%100
41	M45	X	2.9	2.9	0	%100
42	M45	Z	5.023	5.023	0	%100
43	M46A	X	2.205	2.205	0	%100
44	M46A	Z	3.819	3.819	0	%100
45	M48	X	2.295	2.295	0	%100
46	M48	Z	3.974	3.974	0	%100
47	M50A	X	2.9	2.9	0	%100
48	M50A	Z	5.023	5.023	0	%100
49	M51C	X	2.205	2.205	0	%100
50	M51C	Z	3.819	3.819	0	%100
51	M53	X	2.295	2.295	0	%100
52	M53	Z	3.974	3.974	0	%100
53	M58A	X	.593	.593	0	%100
54	M58A	Z	1.028	1.028	0	%100
55	M59A	X	1.462	1.462	0	%100
56	M59A	Z	2.532	2.532	0	%100
57	M60	X	1.462	1.462	0	%100
58	M60	Z	2.532	2.532	0	%100
59	M61	X	2.194	2.194	0	%100
60	M61	Z	3.8	3.8	0	%100
61	M64	X	1.658	1.658	0	%100
62	M64	Z	2.871	2.871	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	.725	.725	0	%100
66	M69	Z	1.256	1.256	0	%100



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**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.%]
67	M70	X	2.205	2.205	0	%100
68	M70	Z	3.819	3.819	0	%100
69	M72	X	2.295	2.295	0	%100
70	M72	Z	3.974	3.974	0	%100
71	M74	X	.725	.725	0	%100
72	M74	Z	1.256	1.256	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	2.012	2.012	0	%100
78	MP2A	Z	3.484	3.484	0	%100
79	MP3A	X	2.193	2.193	0	%100
80	MP3A	Z	3.798	3.798	0	%100
81	MP4A	X	2.012	2.012	0	%100
82	MP4A	Z	3.484	3.484	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	2.012	2.012	0	%100
86	MP1C	Z	3.484	3.484	0	%100
87	MP4C	X	2.012	2.012	0	%100
88	MP4C	Z	3.484	3.484	0	%100
89	M90	X	1.884	1.884	0	%100
90	M90	Z	3.262	3.262	0	%100
91	MP1B	X	2.012	2.012	0	%100
92	MP1B	Z	3.484	3.484	0	%100
93	MP4B	X	2.012	2.012	0	%100
94	MP4B	Z	3.484	3.484	0	%100
95	M100	X	1.613	1.613	0	%100
96	M100	Z	2.794	2.794	0	%100
97	M102	X	1.714	1.714	0	%100
98	M102	Z	2.968	2.968	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	1.714	1.714	0	%100
102	M112	Z	2.968	2.968	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	1.421	1.421	0	%100
106	M124	Z	2.462	2.462	0	%100
107	M125	X	1.422	1.422	0	%100
108	M125	Z	2.462	2.462	0	%100
109	M126	X	2.883	2.883	0	%100
110	M126	Z	4.994	4.994	0	%100
111	M127	X	2.856	2.856	0	%100
112	M127	Z	4.947	4.947	0	%100
113	M128	X	2.883	2.883	0	%100
114	M128	Z	4.994	4.994	0	%100
115	MP2C	X	2.012	2.012	0	%100
116	MP2C	Z	3.484	3.484	0	%100
117	MP3C	X	2.193	2.193	0	%100
118	MP3C	Z	3.798	3.798	0	%100
119	MP2B	X	2.012	2.012	0	%100
120	MP2B	Z	3.484	3.484	0	%100
121	MP3B	X	2.193	2.193	0	%100
122	MP3B	Z	3.798	3.798	0	%100



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**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	LV	X	0	0	0	%100
2	LV	Z	5.023	5.023	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.898	3.898	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	4.023	4.023	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	3.898	3.898	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	5.851	5.851	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	1.105	1.105	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	1.105	1.105	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	1.47	1.47	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	1.53	1.53	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	1.47	1.47	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	1.53	1.53	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	3.561	3.561	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	.975	.975	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	.975	.975	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	1.463	1.463	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	1.105	1.105	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	4.421	4.421	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	4.35	4.35	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	1.47	1.47	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	1.53	1.53	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	4.35	4.35	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	5.88	5.88	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	6.119	6.119	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	3.561	3.561	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	.975	.975	0	%100
57	M60	X	0	0	0	%100



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**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.%]
58	M60	Z	.975	.975	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	1.463	1.463	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	4.421	4.421	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	1.105	1.105	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	4.35	4.35	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	5.88	5.88	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	6.119	6.119	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	4.35	4.35	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	1.47	1.47	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	1.53	1.53	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	4.023	4.023	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	4.386	4.386	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	4.023	4.023	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	1.256	1.256	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	4.023	4.023	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	4.023	4.023	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	1.256	1.256	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	4.023	4.023	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	4.023	4.023	0	%100
95	M100	X	0	0	0	%100
96	M100	Z	3.226	3.226	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	4.57	4.57	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	1.142	1.142	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	1.142	1.142	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	.948	.948	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	.948	.948	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	3.791	3.791	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	5.784	5.784	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	5.73	5.73	0	%100
113	M128	X	0	0	0	%100
114	M128	Z	5.73	5.73	0	%100





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**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.%]
115	MP2C	X	0	0	0	%100
116	MP2C	Z	4.023	4.023	0	%100
117	MP3C	X	0	0	0	%100
118	MP3C	Z	4.386	4.386	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	4.023	4.023	0	%100
121	MP3B	X	0	0	0	%100
122	MP3B	Z	4.386	4.386	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-1.884	-1.884	0	%100
2	LV	Z	3.262	3.262	0	%100
3	M4	X	-593	-593	0	%100
4	M4	Z	1.028	1.028	0	%100
5	M10	X	-1.462	-1.462	0	%100
6	M10	Z	2.532	2.532	0	%100
7	MP1A	X	-2.012	-2.012	0	%100
8	MP1A	Z	3.484	3.484	0	%100
9	M43	X	-1.462	-1.462	0	%100
10	M43	Z	2.532	2.532	0	%100
11	M46	X	-2.194	-2.194	0	%100
12	M46	Z	3.8	3.8	0	%100
13	M51B	X	-1.658	-1.658	0	%100
14	M51B	Z	2.871	2.871	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-725	-725	0	%100
18	M76	Z	1.256	1.256	0	%100
19	M77	X	-2.205	-2.205	0	%100
20	M77	Z	3.819	3.819	0	%100
21	M80	X	-2.295	-2.295	0	%100
22	M80	Z	3.974	3.974	0	%100
23	M84	X	-725	-725	0	%100
24	M84	Z	1.256	1.256	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-593	-593	0	%100
30	M34	Z	1.028	1.028	0	%100
31	M35	X	-1.462	-1.462	0	%100
32	M35	Z	2.532	2.532	0	%100
33	M36	X	-1.462	-1.462	0	%100
34	M36	Z	2.532	2.532	0	%100
35	M37	X	-2.194	-2.194	0	%100
36	M37	Z	3.8	3.8	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	-1.658	-1.658	0	%100
40	M41	Z	2.871	2.871	0	%100
41	M45	X	-725	-725	0	%100
42	M45	Z	1.256	1.256	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100



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**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	M48	Z	0	0	0	%100
47	M50A	X	-.725	-.725	0	%100
48	M50A	Z	1.256	1.256	0	%100
49	M51C	X	-2.205	-2.205	0	%100
50	M51C	Z	3.819	3.819	0	%100
51	M53	X	-2.295	-2.295	0	%100
52	M53	Z	3.974	3.974	0	%100
53	M58A	X	-2.374	-2.374	0	%100
54	M58A	Z	4.112	4.112	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	-1.658	-1.658	0	%100
62	M64	Z	2.871	2.871	0	%100
63	M65	X	-1.658	-1.658	0	%100
64	M65	Z	2.871	2.871	0	%100
65	M69	X	-2.9	-2.9	0	%100
66	M69	Z	5.023	5.023	0	%100
67	M70	X	-2.205	-2.205	0	%100
68	M70	Z	3.819	3.819	0	%100
69	M72	X	-2.295	-2.295	0	%100
70	M72	Z	3.974	3.974	0	%100
71	M74	X	-2.9	-2.9	0	%100
72	M74	Z	5.023	5.023	0	%100
73	M75	X	-2.205	-2.205	0	%100
74	M75	Z	3.819	3.819	0	%100
75	M77A	X	-2.295	-2.295	0	%100
76	M77A	Z	3.974	3.974	0	%100
77	MP2A	X	-2.012	-2.012	0	%100
78	MP2A	Z	3.484	3.484	0	%100
79	MP3A	X	-2.193	-2.193	0	%100
80	MP3A	Z	3.798	3.798	0	%100
81	MP4A	X	-2.012	-2.012	0	%100
82	MP4A	Z	3.484	3.484	0	%100
83	M81A	X	-1.884	-1.884	0	%100
84	M81A	Z	3.262	3.262	0	%100
85	MP1C	X	-2.012	-2.012	0	%100
86	MP1C	Z	3.484	3.484	0	%100
87	MP4C	X	-2.012	-2.012	0	%100
88	MP4C	Z	3.484	3.484	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	-2.012	-2.012	0	%100
92	MP1B	Z	3.484	3.484	0	%100
93	MP4B	X	-2.012	-2.012	0	%100
94	MP4B	Z	3.484	3.484	0	%100
95	M100	X	-1.613	-1.613	0	%100
96	M100	Z	2.794	2.794	0	%100
97	M102	X	-1.714	-1.714	0	%100
98	M102	Z	2.968	2.968	0	%100
99	M107	X	-1.714	-1.714	0	%100
100	M107	Z	2.968	2.968	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	0	0	0	%100



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**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	M123	X	-1.422	-1.422	0	%100
104	M123	Z	2.462	2.462	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-1.421	-1.421	0	%100
108	M125	Z	2.462	2.462	0	%100
109	M126	X	-2.883	-2.883	0	%100
110	M126	Z	4.994	4.994	0	%100
111	M127	X	-2.883	-2.883	0	%100
112	M127	Z	4.994	4.994	0	%100
113	M128	X	-2.856	-2.856	0	%100
114	M128	Z	4.947	4.947	0	%100
115	MP2C	X	-2.012	-2.012	0	%100
116	MP2C	Z	3.484	3.484	0	%100
117	MP3C	X	-2.193	-2.193	0	%100
118	MP3C	Z	3.798	3.798	0	%100
119	MP2B	X	-2.012	-2.012	0	%100
120	MP2B	Z	3.484	3.484	0	%100
121	MP3B	X	-2.193	-2.193	0	%100
122	MP3B	Z	3.798	3.798	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-1.087	-1.087	0	%100
2	LV	Z	.628	.628	0	%100
3	M4	X	-3.084	-3.084	0	%100
4	M4	Z	1.78	1.78	0	%100
5	M10	X	-.844	-.844	0	%100
6	M10	Z	.487	.487	0	%100
7	MP1A	X	-3.484	-3.484	0	%100
8	MP1A	Z	2.012	2.012	0	%100
9	M43	X	-.844	-.844	0	%100
10	M43	Z	.487	.487	0	%100
11	M46	X	-1.267	-1.267	0	%100
12	M46	Z	.731	.731	0	%100
13	M51B	X	-3.828	-3.828	0	%100
14	M51B	Z	2.21	2.21	0	%100
15	M52B	X	-.957	-.957	0	%100
16	M52B	Z	.553	.553	0	%100
17	M76	X	-3.767	-3.767	0	%100
18	M76	Z	2.175	2.175	0	%100
19	M77	X	-5.093	-5.093	0	%100
20	M77	Z	2.94	2.94	0	%100
21	M80	X	-5.299	-5.299	0	%100
22	M80	Z	3.059	3.059	0	%100
23	M84	X	-3.767	-3.767	0	%100
24	M84	Z	2.175	2.175	0	%100
25	M85	X	-1.273	-1.273	0	%100
26	M85	Z	.735	.735	0	%100
27	M91	X	-1.325	-1.325	0	%100
28	M91	Z	.765	.765	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-3.376	-3.376	0	%100
32	M35	Z	1.949	1.949	0	%100
33	M36	X	-3.376	-3.376	0	%100



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**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.%]
34	M36	Z	1.949	1.949	0	%100
35	M37	X	-5.067	-5.067	0	%100
36	M37	Z	2.925	2.925	0	%100
37	M40	X	-.957	-.957	0	%100
38	M40	Z	.553	.553	0	%100
39	M41	X	-.957	-.957	0	%100
40	M41	Z	.553	.553	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-1.273	-1.273	0	%100
44	M46A	Z	.735	.735	0	%100
45	M48	X	-1.325	-1.325	0	%100
46	M48	Z	.765	.765	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	-1.273	-1.273	0	%100
50	M51C	Z	.735	.735	0	%100
51	M53	X	-1.325	-1.325	0	%100
52	M53	Z	.765	.765	0	%100
53	M58A	X	-3.084	-3.084	0	%100
54	M58A	Z	1.78	1.78	0	%100
55	M59A	X	-.844	-.844	0	%100
56	M59A	Z	.487	.487	0	%100
57	M60	X	-.844	-.844	0	%100
58	M60	Z	.487	.487	0	%100
59	M61	X	-1.267	-1.267	0	%100
60	M61	Z	.731	.731	0	%100
61	M64	X	-.957	-.957	0	%100
62	M64	Z	.553	.553	0	%100
63	M65	X	-3.828	-3.828	0	%100
64	M65	Z	2.21	2.21	0	%100
65	M69	X	-3.767	-3.767	0	%100
66	M69	Z	2.175	2.175	0	%100
67	M70	X	-1.273	-1.273	0	%100
68	M70	Z	.735	.735	0	%100
69	M72	X	-1.325	-1.325	0	%100
70	M72	Z	.765	.765	0	%100
71	M74	X	-3.767	-3.767	0	%100
72	M74	Z	2.175	2.175	0	%100
73	M75	X	-5.093	-5.093	0	%100
74	M75	Z	2.94	2.94	0	%100
75	M77A	X	-5.299	-5.299	0	%100
76	M77A	Z	3.059	3.059	0	%100
77	MP2A	X	-3.484	-3.484	0	%100
78	MP2A	Z	2.012	2.012	0	%100
79	MP3A	X	-3.798	-3.798	0	%100
80	MP3A	Z	2.193	2.193	0	%100
81	MP4A	X	-3.484	-3.484	0	%100
82	MP4A	Z	2.012	2.012	0	%100
83	M81A	X	-4.35	-4.35	0	%100
84	M81A	Z	2.511	2.511	0	%100
85	MP1C	X	-3.484	-3.484	0	%100
86	MP1C	Z	2.012	2.012	0	%100
87	MP4C	X	-3.484	-3.484	0	%100
88	MP4C	Z	2.012	2.012	0	%100
89	M90	X	-1.087	-1.087	0	%100
90	M90	Z	.628	.628	0	%100



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**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.%]
91	MP1B	X	-3.484	-3.484	0	%100
92	MP1B	Z	2.012	2.012	0	%100
93	MP4B	X	-3.484	-3.484	0	%100
94	MP4B	Z	2.012	2.012	0	%100
95	M100	X	-2.794	-2.794	0	%100
96	M100	Z	1.613	1.613	0	%100
97	M102	X	-989	-989	0	%100
98	M102	Z	571	571	0	%100
99	M107	X	-3.958	-3.958	0	%100
100	M107	Z	2.285	2.285	0	%100
101	M112	X	-989	-989	0	%100
102	M112	Z	571	571	0	%100
103	M123	X	-3.283	-3.283	0	%100
104	M123	Z	1.895	1.895	0	%100
105	M124	X	-821	-821	0	%100
106	M124	Z	474	474	0	%100
107	M125	X	-821	-821	0	%100
108	M125	Z	474	474	0	%100
109	M126	X	-4.962	-4.962	0	%100
110	M126	Z	2.865	2.865	0	%100
111	M127	X	-5.009	-5.009	0	%100
112	M127	Z	2.892	2.892	0	%100
113	M128	X	-4.962	-4.962	0	%100
114	M128	Z	2.865	2.865	0	%100
115	MP2C	X	-3.484	-3.484	0	%100
116	MP2C	Z	2.012	2.012	0	%100
117	MP3C	X	-3.798	-3.798	0	%100
118	MP3C	Z	2.193	2.193	0	%100
119	MP2B	X	-3.484	-3.484	0	%100
120	MP2B	Z	2.012	2.012	0	%100
121	MP3B	X	-3.798	-3.798	0	%100
122	MP3B	Z	2.193	2.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M4	X	-4.748	-4.748	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-4.023	-4.023	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-3.316	-3.316	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-3.316	-3.316	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-5.8	-5.8	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-4.41	-4.41	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-4.589	-4.589	0	%100



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**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.%]
22	M80	Z	0	0	0	%100
23	M84	X	-5.8	-5.8	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-4.41	-4.41	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-4.589	-4.589	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-1.187	-1.187	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-2.924	-2.924	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	-2.924	-2.924	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	-4.388	-4.388	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-3.316	-3.316	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	-1.45	-1.45	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-4.41	-4.41	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	-4.589	-4.589	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	-1.45	-1.45	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	-1.187	-1.187	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-2.924	-2.924	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	-2.924	-2.924	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	-4.388	-4.388	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	-3.316	-3.316	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-1.45	-1.45	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	-1.45	-1.45	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-4.41	-4.41	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	-4.589	-4.589	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-4.023	-4.023	0	%100
78	MP2A	Z	0	0	0	%100



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**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.%]
79	MP3A	X	-4.386	-4.386	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-4.023	-4.023	0	%100
82	MP4A	Z	0	0	0	%100
83	M81A	X	-3.767	-3.767	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-4.023	-4.023	0	%100
86	MP1C	Z	0	0	0	%100
87	MP4C	X	-4.023	-4.023	0	%100
88	MP4C	Z	0	0	0	%100
89	M90	X	-3.767	-3.767	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	-4.023	-4.023	0	%100
92	MP1B	Z	0	0	0	%100
93	MP4B	X	-4.023	-4.023	0	%100
94	MP4B	Z	0	0	0	%100
95	M100	X	-3.226	-3.226	0	%100
96	M100	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	X	-3.427	-3.427	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	-3.427	-3.427	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	-2.843	-2.843	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	-2.843	-2.843	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	-5.712	-5.712	0	%100
110	M126	Z	0	0	0	%100
111	M127	X	-5.766	-5.766	0	%100
112	M127	Z	0	0	0	%100
113	M128	X	-5.766	-5.766	0	%100
114	M128	Z	0	0	0	%100
115	MP2C	X	-4.023	-4.023	0	%100
116	MP2C	Z	0	0	0	%100
117	MP3C	X	-4.386	-4.386	0	%100
118	MP3C	Z	0	0	0	%100
119	MP2B	X	-4.023	-4.023	0	%100
120	MP2B	Z	0	0	0	%100
121	MP3B	X	-4.386	-4.386	0	%100
122	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-1.087	-1.087	0	%100
2	LV	Z	-628	-628	0	%100
3	M4	X	-3.084	-3.084	0	%100
4	M4	Z	-1.78	-1.78	0	%100
5	M10	X	-844	-844	0	%100
6	M10	Z	-487	-487	0	%100
7	MP1A	X	-3.484	-3.484	0	%100
8	MP1A	Z	-2.012	-2.012	0	%100
9	M43	X	-844	-844	0	%100



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**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.%]
10	M43	Z	-487	-487	0	%100
11	M46	X	-1.267	-1.267	0	%100
12	M46	Z	-.731	-.731	0	%100
13	M51B	X	-.957	-.957	0	%100
14	M51B	Z	-.553	-.553	0	%100
15	M52B	X	-3.828	-3.828	0	%100
16	M52B	Z	-2.21	-2.21	0	%100
17	M76	X	-3.767	-3.767	0	%100
18	M76	Z	-2.175	-2.175	0	%100
19	M77	X	-1.273	-1.273	0	%100
20	M77	Z	-.735	-.735	0	%100
21	M80	X	-1.325	-1.325	0	%100
22	M80	Z	-.765	-.765	0	%100
23	M84	X	-3.767	-3.767	0	%100
24	M84	Z	-2.175	-2.175	0	%100
25	M85	X	-5.093	-5.093	0	%100
26	M85	Z	-2.94	-2.94	0	%100
27	M91	X	-5.299	-5.299	0	%100
28	M91	Z	-3.059	-3.059	0	%100
29	M34	X	-3.084	-3.084	0	%100
30	M34	Z	-1.78	-1.78	0	%100
31	M35	X	-.844	-.844	0	%100
32	M35	Z	-.487	-.487	0	%100
33	M36	X	-.844	-.844	0	%100
34	M36	Z	-.487	-.487	0	%100
35	M37	X	-1.267	-1.267	0	%100
36	M37	Z	-.731	-.731	0	%100
37	M40	X	-3.828	-3.828	0	%100
38	M40	Z	-2.21	-2.21	0	%100
39	M41	X	-.957	-.957	0	%100
40	M41	Z	-.553	-.553	0	%100
41	M45	X	-3.767	-3.767	0	%100
42	M45	Z	-2.175	-2.175	0	%100
43	M46A	X	-5.093	-5.093	0	%100
44	M46A	Z	-2.94	-2.94	0	%100
45	M48	X	-5.299	-5.299	0	%100
46	M48	Z	-3.059	-3.059	0	%100
47	M50A	X	-3.767	-3.767	0	%100
48	M50A	Z	-2.175	-2.175	0	%100
49	M51C	X	-1.273	-1.273	0	%100
50	M51C	Z	-.735	-.735	0	%100
51	M53	X	-1.325	-1.325	0	%100
52	M53	Z	-.765	-.765	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-3.376	-3.376	0	%100
56	M59A	Z	-1.949	-1.949	0	%100
57	M60	X	-3.376	-3.376	0	%100
58	M60	Z	-1.949	-1.949	0	%100
59	M61	X	-5.067	-5.067	0	%100
60	M61	Z	-2.925	-2.925	0	%100
61	M64	X	-.957	-.957	0	%100
62	M64	Z	-.553	-.553	0	%100
63	M65	X	-.957	-.957	0	%100
64	M65	Z	-.553	-.553	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100





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**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.%]
67	M70	X	-1.273	-1.273	0	%100
68	M70	Z	-.735	-.735	0	%100
69	M72	X	-1.325	-1.325	0	%100
70	M72	Z	-.765	-.765	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-1.273	-1.273	0	%100
74	M75	Z	-.735	-.735	0	%100
75	M77A	X	-1.325	-1.325	0	%100
76	M77A	Z	-.765	-.765	0	%100
77	MP2A	X	-3.484	-3.484	0	%100
78	MP2A	Z	-2.012	-2.012	0	%100
79	MP3A	X	-3.798	-3.798	0	%100
80	MP3A	Z	-2.193	-2.193	0	%100
81	MP4A	X	-3.484	-3.484	0	%100
82	MP4A	Z	-2.012	-2.012	0	%100
83	M81A	X	-1.087	-1.087	0	%100
84	M81A	Z	-.628	-.628	0	%100
85	MP1C	X	-3.484	-3.484	0	%100
86	MP1C	Z	-2.012	-2.012	0	%100
87	MP4C	X	-3.484	-3.484	0	%100
88	MP4C	Z	-2.012	-2.012	0	%100
89	M90	X	-4.35	-4.35	0	%100
90	M90	Z	-2.511	-2.511	0	%100
91	MP1B	X	-3.484	-3.484	0	%100
92	MP1B	Z	-2.012	-2.012	0	%100
93	MP4B	X	-3.484	-3.484	0	%100
94	MP4B	Z	-2.012	-2.012	0	%100
95	M100	X	-2.794	-2.794	0	%100
96	M100	Z	-1.613	-1.613	0	%100
97	M102	X	-.989	-.989	0	%100
98	M102	Z	-.571	-.571	0	%100
99	M107	X	-.989	-.989	0	%100
100	M107	Z	-.571	-.571	0	%100
101	M112	X	-3.958	-3.958	0	%100
102	M112	Z	-2.285	-2.285	0	%100
103	M123	X	-.821	-.821	0	%100
104	M123	Z	-.474	-.474	0	%100
105	M124	X	-3.283	-3.283	0	%100
106	M124	Z	-1.895	-1.895	0	%100
107	M125	X	-.821	-.821	0	%100
108	M125	Z	-.474	-.474	0	%100
109	M126	X	-4.962	-4.962	0	%100
110	M126	Z	-2.865	-2.865	0	%100
111	M127	X	-4.962	-4.962	0	%100
112	M127	Z	-2.865	-2.865	0	%100
113	M128	X	-5.009	-5.009	0	%100
114	M128	Z	-2.892	-2.892	0	%100
115	MP2C	X	-3.484	-3.484	0	%100
116	MP2C	Z	-2.012	-2.012	0	%100
117	MP3C	X	-3.798	-3.798	0	%100
118	MP3C	Z	-2.193	-2.193	0	%100
119	MP2B	X	-3.484	-3.484	0	%100
120	MP2B	Z	-2.012	-2.012	0	%100
121	MP3B	X	-3.798	-3.798	0	%100
122	MP3B	Z	-2.193	-2.193	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.]	End Magnitude[lb/ft.]	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-1.884	-1.884	0	%100
2	LV	Z	-3.262	-3.262	0	%100
3	M4	X	-.593	-.593	0	%100
4	M4	Z	-1.028	-1.028	0	%100
5	M10	X	-1.462	-1.462	0	%100
6	M10	Z	-2.532	-2.532	0	%100
7	MP1A	X	-2.012	-2.012	0	%100
8	MP1A	Z	-3.484	-3.484	0	%100
9	M43	X	-1.462	-1.462	0	%100
10	M43	Z	-2.532	-2.532	0	%100
11	M46	X	-2.194	-2.194	0	%100
12	M46	Z	-3.8	-3.8	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-1.658	-1.658	0	%100
16	M52B	Z	-2.871	-2.871	0	%100
17	M76	X	-.725	-.725	0	%100
18	M76	Z	-1.256	-1.256	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-.725	-.725	0	%100
24	M84	Z	-1.256	-1.256	0	%100
25	M85	X	-2.205	-2.205	0	%100
26	M85	Z	-3.819	-3.819	0	%100
27	M91	X	-2.295	-2.295	0	%100
28	M91	Z	-3.974	-3.974	0	%100
29	M34	X	-2.374	-2.374	0	%100
30	M34	Z	-4.112	-4.112	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-1.658	-1.658	0	%100
38	M40	Z	-2.871	-2.871	0	%100
39	M41	X	-1.658	-1.658	0	%100
40	M41	Z	-2.871	-2.871	0	%100
41	M45	X	-2.9	-2.9	0	%100
42	M45	Z	-5.023	-5.023	0	%100
43	M46A	X	-2.205	-2.205	0	%100
44	M46A	Z	-3.819	-3.819	0	%100
45	M48	X	-2.295	-2.295	0	%100
46	M48	Z	-3.974	-3.974	0	%100
47	M50A	X	-2.9	-2.9	0	%100
48	M50A	Z	-5.023	-5.023	0	%100
49	M51C	X	-2.205	-2.205	0	%100
50	M51C	Z	-3.819	-3.819	0	%100
51	M53	X	-2.295	-2.295	0	%100
52	M53	Z	-3.974	-3.974	0	%100
53	M58A	X	-.593	-.593	0	%100
54	M58A	Z	-1.028	-1.028	0	%100
55	M59A	X	-1.462	-1.462	0	%100
56	M59A	Z	-2.532	-2.532	0	%100
57	M60	X	-1.462	-1.462	0	%100



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**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.%]
58	M60	Z	-2.532	-2.532	0	%100
59	M61	X	-2.194	-2.194	0	%100
60	M61	Z	-3.8	-3.8	0	%100
61	M64	X	-1.658	-1.658	0	%100
62	M64	Z	-2.871	-2.871	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-.725	-.725	0	%100
66	M69	Z	-1.256	-1.256	0	%100
67	M70	X	-2.205	-2.205	0	%100
68	M70	Z	-3.819	-3.819	0	%100
69	M72	X	-2.295	-2.295	0	%100
70	M72	Z	-3.974	-3.974	0	%100
71	M74	X	-.725	-.725	0	%100
72	M74	Z	-1.256	-1.256	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-2.012	-2.012	0	%100
78	MP2A	Z	-3.484	-3.484	0	%100
79	MP3A	X	-2.193	-2.193	0	%100
80	MP3A	Z	-3.798	-3.798	0	%100
81	MP4A	X	-2.012	-2.012	0	%100
82	MP4A	Z	-3.484	-3.484	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-2.012	-2.012	0	%100
86	MP1C	Z	-3.484	-3.484	0	%100
87	MP4C	X	-2.012	-2.012	0	%100
88	MP4C	Z	-3.484	-3.484	0	%100
89	M90	X	-1.884	-1.884	0	%100
90	M90	Z	-3.262	-3.262	0	%100
91	MP1B	X	-2.012	-2.012	0	%100
92	MP1B	Z	-3.484	-3.484	0	%100
93	MP4B	X	-2.012	-2.012	0	%100
94	MP4B	Z	-3.484	-3.484	0	%100
95	M100	X	-1.613	-1.613	0	%100
96	M100	Z	-2.794	-2.794	0	%100
97	M102	X	-1.714	-1.714	0	%100
98	M102	Z	-2.968	-2.968	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	-1.714	-1.714	0	%100
102	M112	Z	-2.968	-2.968	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	-1.421	-1.421	0	%100
106	M124	Z	-2.462	-2.462	0	%100
107	M125	X	-1.422	-1.422	0	%100
108	M125	Z	-2.462	-2.462	0	%100
109	M126	X	-2.883	-2.883	0	%100
110	M126	Z	-4.994	-4.994	0	%100
111	M127	X	-2.856	-2.856	0	%100
112	M127	Z	-4.947	-4.947	0	%100
113	M128	X	-2.883	-2.883	0	%100
114	M128	Z	-4.994	-4.994	0	%100



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**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.%]
115	MP2C	X	-2.012	-2.012	0	%100
116	MP2C	Z	-3.484	-3.484	0	%100
117	MP3C	X	-2.193	-2.193	0	%100
118	MP3C	Z	-3.798	-3.798	0	%100
119	MP2B	X	-2.012	-2.012	0	%100
120	MP2B	Z	-3.484	-3.484	0	%100
121	MP3B	X	-2.193	-2.193	0	%100
122	MP3B	Z	-3.798	-3.798	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	-.892	-.892	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.785	-.785	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-.62	-.62	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-.785	-.785	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-1.566	-1.566	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-.217	-.217	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-.217	-.217	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-.399	-.399	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-.42	-.42	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-.399	-.399	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	-.42	-.42	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	-.696	-.696	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	-.196	-.196	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	-.196	-.196	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	-.392	-.392	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	-.217	-.217	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	-.87	-.87	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	-1.175	-1.175	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	-.399	-.399	0	%100
45	M48	X	0	0	0	%100



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**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.%]
46	M48	Z	-42	-42	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	-1.175	-1.175	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	-1.595	-1.595	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	-1.68	-1.68	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	-696	-696	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	-196	-196	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	-196	-196	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	-392	-392	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	-87	-87	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	-217	-217	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-1.175	-1.175	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	-1.595	-1.595	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	-1.68	-1.68	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	-1.175	-1.175	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	-399	-399	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	-42	-42	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-62	-62	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-75	-75	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-62	-62	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	-223	-223	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-62	-62	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-62	-62	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	-223	-223	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	-62	-62	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	-62	-62	0	%100
95	M100	X	0	0	0	%100
96	M100	Z	-507	-507	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	-75	-75	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	-188	-188	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	-188	-188	0	%100



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**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.%]
103	M123	X	0	0	0	%100
104	M123	Z	-.207	-.207	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	-.207	-.207	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	-.826	-.826	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	-1.506	-1.506	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	-1.314	-1.314	0	%100
113	M128	X	0	0	0	%100
114	M128	Z	-1.314	-1.314	0	%100
115	MP2C	X	0	0	0	%100
116	MP2C	Z	-.62	-.62	0	%100
117	MP3C	X	0	0	0	%100
118	MP3C	Z	-.75	-.75	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	-.62	-.62	0	%100
121	MP3B	X	0	0	0	%100
122	MP3B	Z	-.75	-.75	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	.334	.334	0	%100
2	LV	Z	-.579	-.579	0	%100
3	M4	X	.116	.116	0	%100
4	M4	Z	-.201	-.201	0	%100
5	M10	X	.294	.294	0	%100
6	M10	Z	-.51	-.51	0	%100
7	MP1A	X	.31	.31	0	%100
8	MP1A	Z	-.537	-.537	0	%100
9	M43	X	.294	.294	0	%100
10	M43	Z	-.51	-.51	0	%100
11	M46	X	.587	.587	0	%100
12	M46	Z	-1.017	-1.017	0	%100
13	M51B	X	.326	.326	0	%100
14	M51B	Z	-.565	-.565	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	.196	.196	0	%100
18	M76	Z	-.339	-.339	0	%100
19	M77	X	.598	.598	0	%100
20	M77	Z	-1.036	-1.036	0	%100
21	M80	X	.63	.63	0	%100
22	M80	Z	-1.091	-1.091	0	%100
23	M84	X	.196	.196	0	%100
24	M84	Z	-.339	-.339	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	.116	.116	0	%100
30	M34	Z	-.201	-.201	0	%100
31	M35	X	.294	.294	0	%100
32	M35	Z	-.51	-.51	0	%100
33	M36	X	.294	.294	0	%100



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**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.%]
34	M36	Z	-.51	-.51	0	%100
35	M37	X	.587	.587	0	%100
36	M37	Z	-1.017	-1.017	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	.326	.326	0	%100
40	M41	Z	-.565	-.565	0	%100
41	M45	X	.196	.196	0	%100
42	M45	Z	-.339	-.339	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	.196	.196	0	%100
48	M50A	Z	-.339	-.339	0	%100
49	M51C	X	.598	.598	0	%100
50	M51C	Z	-1.036	-1.036	0	%100
51	M53	X	.63	.63	0	%100
52	M53	Z	-1.091	-1.091	0	%100
53	M58A	X	.464	.464	0	%100
54	M58A	Z	-.804	-.804	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	.326	.326	0	%100
62	M64	Z	-.565	-.565	0	%100
63	M65	X	.326	.326	0	%100
64	M65	Z	-.565	-.565	0	%100
65	M69	X	.783	.783	0	%100
66	M69	Z	-1.356	-1.356	0	%100
67	M70	X	.598	.598	0	%100
68	M70	Z	-1.036	-1.036	0	%100
69	M72	X	.63	.63	0	%100
70	M72	Z	-1.091	-1.091	0	%100
71	M74	X	.783	.783	0	%100
72	M74	Z	-1.356	-1.356	0	%100
73	M75	X	.598	.598	0	%100
74	M75	Z	-1.036	-1.036	0	%100
75	M77A	X	.63	.63	0	%100
76	M77A	Z	-1.091	-1.091	0	%100
77	MP2A	X	.31	.31	0	%100
78	MP2A	Z	-.537	-.537	0	%100
79	MP3A	X	.375	.375	0	%100
80	MP3A	Z	-.65	-.65	0	%100
81	MP4A	X	.31	.31	0	%100
82	MP4A	Z	-.537	-.537	0	%100
83	M81A	X	.334	.334	0	%100
84	M81A	Z	-.579	-.579	0	%100
85	MP1C	X	.31	.31	0	%100
86	MP1C	Z	-.537	-.537	0	%100
87	MP4C	X	.31	.31	0	%100
88	MP4C	Z	-.537	-.537	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100



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**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.%]
91	MP1B	X	.31	.31	0	%100
92	MP1B	Z	-.537	-.537	0	%100
93	MP4B	X	.31	.31	0	%100
94	MP4B	Z	-.537	-.537	0	%100
95	M100	X	.253	.253	0	%100
96	M100	Z	-.439	-.439	0	%100
97	M102	X	.281	.281	0	%100
98	M102	Z	-.487	-.487	0	%100
99	M107	X	.281	.281	0	%100
100	M107	Z	-.487	-.487	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	.31	.31	0	%100
104	M123	Z	-.537	-.537	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	.31	.31	0	%100
108	M125	Z	-.537	-.537	0	%100
109	M126	X	.721	.721	0	%100
110	M126	Z	-1.249	-1.249	0	%100
111	M127	X	.721	.721	0	%100
112	M127	Z	-1.249	-1.249	0	%100
113	M128	X	.625	.625	0	%100
114	M128	Z	-1.083	-1.083	0	%100
115	MP2C	X	.31	.31	0	%100
116	MP2C	Z	-.537	-.537	0	%100
117	MP3C	X	.375	.375	0	%100
118	MP3C	Z	-.65	-.65	0	%100
119	MP2B	X	.31	.31	0	%100
120	MP2B	Z	-.537	-.537	0	%100
121	MP3B	X	.375	.375	0	%100
122	MP3B	Z	-.65	-.65	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	.193	.193	0	%100
2	LV	Z	-.111	-.111	0	%100
3	M4	X	.603	.603	0	%100
4	M4	Z	-.348	-.348	0	%100
5	M10	X	.17	.17	0	%100
6	M10	Z	-.098	-.098	0	%100
7	MP1A	X	.537	.537	0	%100
8	MP1A	Z	-.31	-.31	0	%100
9	M43	X	.17	.17	0	%100
10	M43	Z	-.098	-.098	0	%100
11	M46	X	.339	.339	0	%100
12	M46	Z	-.196	-.196	0	%100
13	M51B	X	.753	.753	0	%100
14	M51B	Z	-.435	-.435	0	%100
15	M52B	X	.188	.188	0	%100
16	M52B	Z	-.109	-.109	0	%100
17	M76	X	1.017	1.017	0	%100
18	M76	Z	-.587	-.587	0	%100
19	M77	X	1.381	1.381	0	%100
20	M77	Z	-.798	-.798	0	%100
21	M80	X	1.455	1.455	0	%100





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**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.%]
22	M80	Z	-.84	-.84	0	%100
23	M84	X	1.017	1.017	0	%100
24	M84	Z	-.587	-.587	0	%100
25	M85	X	.345	.345	0	%100
26	M85	Z	-.199	-.199	0	%100
27	M91	X	.364	.364	0	%100
28	M91	Z	-.21	-.21	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	.68	.68	0	%100
32	M35	Z	-.393	-.393	0	%100
33	M36	X	.68	.68	0	%100
34	M36	Z	-.393	-.393	0	%100
35	M37	X	1.356	1.356	0	%100
36	M37	Z	-.783	-.783	0	%100
37	M40	X	.188	.188	0	%100
38	M40	Z	-.109	-.109	0	%100
39	M41	X	.188	.188	0	%100
40	M41	Z	-.109	-.109	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	.345	.345	0	%100
44	M46A	Z	-.199	-.199	0	%100
45	M48	X	.364	.364	0	%100
46	M48	Z	-.21	-.21	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	.345	.345	0	%100
50	M51C	Z	-.199	-.199	0	%100
51	M53	X	.364	.364	0	%100
52	M53	Z	-.21	-.21	0	%100
53	M58A	X	.603	.603	0	%100
54	M58A	Z	-.348	-.348	0	%100
55	M59A	X	.17	.17	0	%100
56	M59A	Z	-.098	-.098	0	%100
57	M60	X	.17	.17	0	%100
58	M60	Z	-.098	-.098	0	%100
59	M61	X	.339	.339	0	%100
60	M61	Z	-.196	-.196	0	%100
61	M64	X	.188	.188	0	%100
62	M64	Z	-.109	-.109	0	%100
63	M65	X	.753	.753	0	%100
64	M65	Z	-.435	-.435	0	%100
65	M69	X	1.017	1.017	0	%100
66	M69	Z	-.587	-.587	0	%100
67	M70	X	.345	.345	0	%100
68	M70	Z	-.199	-.199	0	%100
69	M72	X	.364	.364	0	%100
70	M72	Z	-.21	-.21	0	%100
71	M74	X	1.017	1.017	0	%100
72	M74	Z	-.587	-.587	0	%100
73	M75	X	1.381	1.381	0	%100
74	M75	Z	-.798	-.798	0	%100
75	M77A	X	1.455	1.455	0	%100
76	M77A	Z	-.84	-.84	0	%100
77	MP2A	X	.537	.537	0	%100
78	MP2A	Z	-.31	-.31	0	%100



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**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.%]
79	MP3A	X	.65	.65	0	%100
80	MP3A	Z	-.375	-.375	0	%100
81	MP4A	X	.537	.537	0	%100
82	MP4A	Z	-.31	-.31	0	%100
83	M81A	X	.772	.772	0	%100
84	M81A	Z	-.446	-.446	0	%100
85	MP1C	X	.537	.537	0	%100
86	MP1C	Z	-.31	-.31	0	%100
87	MP4C	X	.537	.537	0	%100
88	MP4C	Z	-.31	-.31	0	%100
89	M90	X	.193	.193	0	%100
90	M90	Z	-.111	-.111	0	%100
91	MP1B	X	.537	.537	0	%100
92	MP1B	Z	-.31	-.31	0	%100
93	MP4B	X	.537	.537	0	%100
94	MP4B	Z	-.31	-.31	0	%100
95	M100	X	.439	.439	0	%100
96	M100	Z	-.253	-.253	0	%100
97	M102	X	.162	.162	0	%100
98	M102	Z	-.094	-.094	0	%100
99	M107	X	.65	.65	0	%100
100	M107	Z	-.375	-.375	0	%100
101	M112	X	.162	.162	0	%100
102	M112	Z	-.094	-.094	0	%100
103	M123	X	.716	.716	0	%100
104	M123	Z	-.413	-.413	0	%100
105	M124	X	.179	.179	0	%100
106	M124	Z	-.103	-.103	0	%100
107	M125	X	.179	.179	0	%100
108	M125	Z	-.103	-.103	0	%100
109	M126	X	1.138	1.138	0	%100
110	M126	Z	-.657	-.657	0	%100
111	M127	X	1.304	1.304	0	%100
112	M127	Z	-.753	-.753	0	%100
113	M128	X	1.138	1.138	0	%100
114	M128	Z	-.657	-.657	0	%100
115	MP2C	X	.537	.537	0	%100
116	MP2C	Z	-.31	-.31	0	%100
117	MP3C	X	.65	.65	0	%100
118	MP3C	Z	-.375	-.375	0	%100
119	MP2B	X	.537	.537	0	%100
120	MP2B	Z	-.31	-.31	0	%100
121	MP3B	X	.65	.65	0	%100
122	MP3B	Z	-.375	-.375	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M4	X	.928	.928	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	.62	.62	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100



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**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.%]
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	.652	.652	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	.652	.652	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	1.566	1.566	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	1.196	1.196	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	1.26	1.26	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	1.566	1.566	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	1.196	1.196	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	1.26	1.26	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	.232	.232	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	.589	.589	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	.589	.589	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	1.175	1.175	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	.652	.652	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	.392	.392	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	1.196	1.196	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	1.26	1.26	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	.392	.392	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	.232	.232	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	.589	.589	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	.589	.589	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	1.175	1.175	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	.652	.652	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	.392	.392	0	%100
66	M69	Z	0	0	0	%100



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**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.%]
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	.392	.392	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	1.196	1.196	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	1.26	1.26	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	.62	.62	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	.75	.75	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	.62	.62	0	%100
82	MP4A	Z	0	0	0	%100
83	M81A	X	.669	.669	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	.62	.62	0	%100
86	MP1C	Z	0	0	0	%100
87	MP4C	X	.62	.62	0	%100
88	MP4C	Z	0	0	0	%100
89	M90	X	.669	.669	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	.62	.62	0	%100
92	MP1B	Z	0	0	0	%100
93	MP4B	X	.62	.62	0	%100
94	MP4B	Z	0	0	0	%100
95	M100	X	.507	.507	0	%100
96	M100	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	X	.563	.563	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	.563	.563	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	.62	.62	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	.62	.62	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	1.25	1.25	0	%100
110	M126	Z	0	0	0	%100
111	M127	X	1.442	1.442	0	%100
112	M127	Z	0	0	0	%100
113	M128	X	1.442	1.442	0	%100
114	M128	Z	0	0	0	%100
115	MP2C	X	.62	.62	0	%100
116	MP2C	Z	0	0	0	%100
117	MP3C	X	.75	.75	0	%100
118	MP3C	Z	0	0	0	%100
119	MP2B	X	.62	.62	0	%100
120	MP2B	Z	0	0	0	%100
121	MP3B	X	.75	.75	0	%100
122	MP3B	Z	0	0	0	%100



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**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	LV	X	.193	.193	0	%100
2	LV	Z	.111	.111	0	%100
3	M4	X	.603	.603	0	%100
4	M4	Z	.348	.348	0	%100
5	M10	X	.17	.17	0	%100
6	M10	Z	.098	.098	0	%100
7	MP1A	X	.537	.537	0	%100
8	MP1A	Z	.31	.31	0	%100
9	M43	X	.17	.17	0	%100
10	M43	Z	.098	.098	0	%100
11	M46	X	.339	.339	0	%100
12	M46	Z	.196	.196	0	%100
13	M51B	X	.188	.188	0	%100
14	M51B	Z	.109	.109	0	%100
15	M52B	X	.753	.753	0	%100
16	M52B	Z	.435	.435	0	%100
17	M76	X	1.017	1.017	0	%100
18	M76	Z	.587	.587	0	%100
19	M77	X	.345	.345	0	%100
20	M77	Z	.199	.199	0	%100
21	M80	X	.364	.364	0	%100
22	M80	Z	.21	.21	0	%100
23	M84	X	1.017	1.017	0	%100
24	M84	Z	.587	.587	0	%100
25	M85	X	1.381	1.381	0	%100
26	M85	Z	.798	.798	0	%100
27	M91	X	1.455	1.455	0	%100
28	M91	Z	.84	.84	0	%100
29	M34	X	.603	.603	0	%100
30	M34	Z	.348	.348	0	%100
31	M35	X	.17	.17	0	%100
32	M35	Z	.098	.098	0	%100
33	M36	X	.17	.17	0	%100
34	M36	Z	.098	.098	0	%100
35	M37	X	.339	.339	0	%100
36	M37	Z	.196	.196	0	%100
37	M40	X	.753	.753	0	%100
38	M40	Z	.435	.435	0	%100
39	M41	X	.188	.188	0	%100
40	M41	Z	.109	.109	0	%100
41	M45	X	1.017	1.017	0	%100
42	M45	Z	.587	.587	0	%100
43	M46A	X	1.381	1.381	0	%100
44	M46A	Z	.798	.798	0	%100
45	M48	X	1.455	1.455	0	%100
46	M48	Z	.84	.84	0	%100
47	M50A	X	1.017	1.017	0	%100
48	M50A	Z	.587	.587	0	%100
49	M51C	X	.345	.345	0	%100
50	M51C	Z	.199	.199	0	%100
51	M53	X	.364	.364	0	%100
52	M53	Z	.21	.21	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	.68	.68	0	%100
56	M59A	Z	.393	.393	0	%100
57	M60	X	.68	.68	0	%100



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**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.%]
58	M60	Z	.393	.393	0	%100
59	M61	X	1.356	1.356	0	%100
60	M61	Z	.783	.783	0	%100
61	M64	X	.188	.188	0	%100
62	M64	Z	.109	.109	0	%100
63	M65	X	.188	.188	0	%100
64	M65	Z	.109	.109	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	.345	.345	0	%100
68	M70	Z	.199	.199	0	%100
69	M72	X	.364	.364	0	%100
70	M72	Z	.21	.21	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	.345	.345	0	%100
74	M75	Z	.199	.199	0	%100
75	M77A	X	.364	.364	0	%100
76	M77A	Z	.21	.21	0	%100
77	MP2A	X	.537	.537	0	%100
78	MP2A	Z	.31	.31	0	%100
79	MP3A	X	.65	.65	0	%100
80	MP3A	Z	.375	.375	0	%100
81	MP4A	X	.537	.537	0	%100
82	MP4A	Z	.31	.31	0	%100
83	M81A	X	.193	.193	0	%100
84	M81A	Z	.111	.111	0	%100
85	MP1C	X	.537	.537	0	%100
86	MP1C	Z	.31	.31	0	%100
87	MP4C	X	.537	.537	0	%100
88	MP4C	Z	.31	.31	0	%100
89	M90	X	.772	.772	0	%100
90	M90	Z	.446	.446	0	%100
91	MP1B	X	.537	.537	0	%100
92	MP1B	Z	.31	.31	0	%100
93	MP4B	X	.537	.537	0	%100
94	MP4B	Z	.31	.31	0	%100
95	M100	X	.439	.439	0	%100
96	M100	Z	.253	.253	0	%100
97	M102	X	.162	.162	0	%100
98	M102	Z	.094	.094	0	%100
99	M107	X	.162	.162	0	%100
100	M107	Z	.094	.094	0	%100
101	M112	X	.65	.65	0	%100
102	M112	Z	.375	.375	0	%100
103	M123	X	.179	.179	0	%100
104	M123	Z	.103	.103	0	%100
105	M124	X	.716	.716	0	%100
106	M124	Z	.413	.413	0	%100
107	M125	X	.179	.179	0	%100
108	M125	Z	.103	.103	0	%100
109	M126	X	1.138	1.138	0	%100
110	M126	Z	.657	.657	0	%100
111	M127	X	1.138	1.138	0	%100
112	M127	Z	.657	.657	0	%100
113	M128	X	1.304	1.304	0	%100
114	M128	Z	.753	.753	0	%100



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**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.%]
115	MP2C	X	.537	.537	0	%100
116	MP2C	Z	.31	.31	0	%100
117	MP3C	X	.65	.65	0	%100
118	MP3C	Z	.375	.375	0	%100
119	MP2B	X	.537	.537	0	%100
120	MP2B	Z	.31	.31	0	%100
121	MP3B	X	.65	.65	0	%100
122	MP3B	Z	.375	.375	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	.334	.334	0	%100
2	LV	Z	.579	.579	0	%100
3	M4	X	.116	.116	0	%100
4	M4	Z	.201	.201	0	%100
5	M10	X	.294	.294	0	%100
6	M10	Z	.51	.51	0	%100
7	MP1A	X	.31	.31	0	%100
8	MP1A	Z	.537	.537	0	%100
9	M43	X	.294	.294	0	%100
10	M43	Z	.51	.51	0	%100
11	M46	X	.587	.587	0	%100
12	M46	Z	1.017	1.017	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	.326	.326	0	%100
16	M52B	Z	.565	.565	0	%100
17	M76	X	.196	.196	0	%100
18	M76	Z	.339	.339	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	.196	.196	0	%100
24	M84	Z	.339	.339	0	%100
25	M85	X	.598	.598	0	%100
26	M85	Z	1.036	1.036	0	%100
27	M91	X	.63	.63	0	%100
28	M91	Z	1.091	1.091	0	%100
29	M34	X	.464	.464	0	%100
30	M34	Z	.804	.804	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	.326	.326	0	%100
38	M40	Z	.565	.565	0	%100
39	M41	X	.326	.326	0	%100
40	M41	Z	.565	.565	0	%100
41	M45	X	.783	.783	0	%100
42	M45	Z	1.356	1.356	0	%100
43	M46A	X	.598	.598	0	%100
44	M46A	Z	1.036	1.036	0	%100
45	M48	X	.63	.63	0	%100



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**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	M48	Z	1.091	1.091	0	%100
47	M50A	X	.783	.783	0	%100
48	M50A	Z	1.356	1.356	0	%100
49	M51C	X	.598	.598	0	%100
50	M51C	Z	1.036	1.036	0	%100
51	M53	X	.63	.63	0	%100
52	M53	Z	1.091	1.091	0	%100
53	M58A	X	.116	.116	0	%100
54	M58A	Z	.201	.201	0	%100
55	M59A	X	.294	.294	0	%100
56	M59A	Z	.51	.51	0	%100
57	M60	X	.294	.294	0	%100
58	M60	Z	.51	.51	0	%100
59	M61	X	.587	.587	0	%100
60	M61	Z	1.017	1.017	0	%100
61	M64	X	.326	.326	0	%100
62	M64	Z	.565	.565	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	.196	.196	0	%100
66	M69	Z	.339	.339	0	%100
67	M70	X	.598	.598	0	%100
68	M70	Z	1.036	1.036	0	%100
69	M72	X	.63	.63	0	%100
70	M72	Z	1.091	1.091	0	%100
71	M74	X	.196	.196	0	%100
72	M74	Z	.339	.339	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	.31	.31	0	%100
78	MP2A	Z	.537	.537	0	%100
79	MP3A	X	.375	.375	0	%100
80	MP3A	Z	.65	.65	0	%100
81	MP4A	X	.31	.31	0	%100
82	MP4A	Z	.537	.537	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	.31	.31	0	%100
86	MP1C	Z	.537	.537	0	%100
87	MP4C	X	.31	.31	0	%100
88	MP4C	Z	.537	.537	0	%100
89	M90	X	.334	.334	0	%100
90	M90	Z	.579	.579	0	%100
91	MP1B	X	.31	.31	0	%100
92	MP1B	Z	.537	.537	0	%100
93	MP4B	X	.31	.31	0	%100
94	MP4B	Z	.537	.537	0	%100
95	M100	X	.253	.253	0	%100
96	M100	Z	.439	.439	0	%100
97	M102	X	.281	.281	0	%100
98	M102	Z	.487	.487	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	.281	.281	0	%100
102	M112	Z	.487	.487	0	%100





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**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	M123	X	0	0	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	.31	.31	0	%100
106	M124	Z	.537	.537	0	%100
107	M125	X	.31	.31	0	%100
108	M125	Z	.537	.537	0	%100
109	M126	X	.721	.721	0	%100
110	M126	Z	1.249	1.249	0	%100
111	M127	X	.625	.625	0	%100
112	M127	Z	1.083	1.083	0	%100
113	M128	X	.721	.721	0	%100
114	M128	Z	1.249	1.249	0	%100
115	MP2C	X	.31	.31	0	%100
116	MP2C	Z	.537	.537	0	%100
117	MP3C	X	.375	.375	0	%100
118	MP3C	Z	.65	.65	0	%100
119	MP2B	X	.31	.31	0	%100
120	MP2B	Z	.537	.537	0	%100
121	MP3B	X	.375	.375	0	%100
122	MP3B	Z	.65	.65	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	.892	.892	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.785	.785	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	.62	.62	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	.785	.785	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	1.566	1.566	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	.217	.217	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	.217	.217	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	.399	.399	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	.42	.42	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	.399	.399	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	.42	.42	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	.696	.696	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	.196	.196	0	%100
33	M36	X	0	0	0	%100



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**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.%]
34	M36	Z	.196	.196	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	.392	.392	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	.217	.217	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	.87	.87	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	1.175	1.175	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	.399	.399	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	.42	.42	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	1.175	1.175	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	1.595	1.595	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	1.68	1.68	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	.696	.696	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	.196	.196	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	.196	.196	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	.392	.392	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	.87	.87	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	.217	.217	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	1.175	1.175	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	1.595	1.595	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	1.68	1.68	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	1.175	1.175	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	.399	.399	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	.42	.42	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	.62	.62	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	.75	.75	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	.62	.62	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	.223	.223	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	.62	.62	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	.62	.62	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	.223	.223	0	%100



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**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.%]
91	MP1B	X	0	0	0	%100
92	MP1B	Z	.62	.62	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	.62	.62	0	%100
95	M100	X	0	0	0	%100
96	M100	Z	.507	.507	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	.75	.75	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	.188	.188	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	.188	.188	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	.207	.207	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	.207	.207	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	.826	.826	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	1.506	1.506	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	1.314	1.314	0	%100
113	M128	X	0	0	0	%100
114	M128	Z	1.314	1.314	0	%100
115	MP2C	X	0	0	0	%100
116	MP2C	Z	.62	.62	0	%100
117	MP3C	X	0	0	0	%100
118	MP3C	Z	.75	.75	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	.62	.62	0	%100
121	MP3B	X	0	0	0	%100
122	MP3B	Z	.75	.75	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-.334	-.334	0	%100
2	LV	Z	.579	.579	0	%100
3	M4	X	-.116	-.116	0	%100
4	M4	Z	.201	.201	0	%100
5	M10	X	-.294	-.294	0	%100
6	M10	Z	.51	.51	0	%100
7	MP1A	X	-.31	-.31	0	%100
8	MP1A	Z	.537	.537	0	%100
9	M43	X	-.294	-.294	0	%100
10	M43	Z	.51	.51	0	%100
11	M46	X	-.587	-.587	0	%100
12	M46	Z	1.017	1.017	0	%100
13	M51B	X	-.326	-.326	0	%100
14	M51B	Z	.565	.565	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-.196	-.196	0	%100
18	M76	Z	.339	.339	0	%100
19	M77	X	-.598	-.598	0	%100
20	M77	Z	1.036	1.036	0	%100
21	M80	X	-.63	-.63	0	%100



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**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.%]
22	M80	Z	1.091	1.091	0	%100
23	M84	X	-.196	-.196	0	%100
24	M84	Z	.339	.339	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-.116	-.116	0	%100
30	M34	Z	.201	.201	0	%100
31	M35	X	-.294	-.294	0	%100
32	M35	Z	.51	.51	0	%100
33	M36	X	-.294	-.294	0	%100
34	M36	Z	.51	.51	0	%100
35	M37	X	-.587	-.587	0	%100
36	M37	Z	1.017	1.017	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	-.326	-.326	0	%100
40	M41	Z	.565	.565	0	%100
41	M45	X	-.196	-.196	0	%100
42	M45	Z	.339	.339	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	-.196	-.196	0	%100
48	M50A	Z	.339	.339	0	%100
49	M51C	X	-.598	-.598	0	%100
50	M51C	Z	1.036	1.036	0	%100
51	M53	X	-.63	-.63	0	%100
52	M53	Z	1.091	1.091	0	%100
53	M58A	X	-.464	-.464	0	%100
54	M58A	Z	.804	.804	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	-.326	-.326	0	%100
62	M64	Z	.565	.565	0	%100
63	M65	X	-.326	-.326	0	%100
64	M65	Z	.565	.565	0	%100
65	M69	X	-.783	-.783	0	%100
66	M69	Z	1.356	1.356	0	%100
67	M70	X	-.598	-.598	0	%100
68	M70	Z	1.036	1.036	0	%100
69	M72	X	-.63	-.63	0	%100
70	M72	Z	1.091	1.091	0	%100
71	M74	X	-.783	-.783	0	%100
72	M74	Z	1.356	1.356	0	%100
73	M75	X	-.598	-.598	0	%100
74	M75	Z	1.036	1.036	0	%100
75	M77A	X	-.63	-.63	0	%100
76	M77A	Z	1.091	1.091	0	%100
77	MP2A	X	-.31	-.31	0	%100
78	MP2A	Z	.537	.537	0	%100



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**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.%]
79	MP3A	X	-.375	-.375	0	%100
80	MP3A	Z	.65	.65	0	%100
81	MP4A	X	-.31	-.31	0	%100
82	MP4A	Z	.537	.537	0	%100
83	M81A	X	-.334	-.334	0	%100
84	M81A	Z	.579	.579	0	%100
85	MP1C	X	-.31	-.31	0	%100
86	MP1C	Z	.537	.537	0	%100
87	MP4C	X	-.31	-.31	0	%100
88	MP4C	Z	.537	.537	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	-.31	-.31	0	%100
92	MP1B	Z	.537	.537	0	%100
93	MP4B	X	-.31	-.31	0	%100
94	MP4B	Z	.537	.537	0	%100
95	M100	X	-.253	-.253	0	%100
96	M100	Z	.439	.439	0	%100
97	M102	X	-.281	-.281	0	%100
98	M102	Z	.487	.487	0	%100
99	M107	X	-.281	-.281	0	%100
100	M107	Z	.487	.487	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	-.31	-.31	0	%100
104	M123	Z	.537	.537	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-.31	-.31	0	%100
108	M125	Z	.537	.537	0	%100
109	M126	X	-.721	-.721	0	%100
110	M126	Z	1.249	1.249	0	%100
111	M127	X	-.721	-.721	0	%100
112	M127	Z	1.249	1.249	0	%100
113	M128	X	-.625	-.625	0	%100
114	M128	Z	1.083	1.083	0	%100
115	MP2C	X	-.31	-.31	0	%100
116	MP2C	Z	.537	.537	0	%100
117	MP3C	X	-.375	-.375	0	%100
118	MP3C	Z	.65	.65	0	%100
119	MP2B	X	-.31	-.31	0	%100
120	MP2B	Z	.537	.537	0	%100
121	MP3B	X	-.375	-.375	0	%100
122	MP3B	Z	.65	.65	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-.193	-.193	0	%100
2	LV	Z	.111	.111	0	%100
3	M4	X	-.603	-.603	0	%100
4	M4	Z	.348	.348	0	%100
5	M10	X	-.17	-.17	0	%100
6	M10	Z	.098	.098	0	%100
7	MP1A	X	-.537	-.537	0	%100
8	MP1A	Z	.31	.31	0	%100
9	M43	X	-.17	-.17	0	%100



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**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.%]
10	M43	Z	.098	.098	0	%100
11	M46	X	-.339	-.339	0	%100
12	M46	Z	.196	.196	0	%100
13	M51B	X	-.753	-.753	0	%100
14	M51B	Z	.435	.435	0	%100
15	M52B	X	-.188	-.188	0	%100
16	M52B	Z	.109	.109	0	%100
17	M76	X	-1.017	-1.017	0	%100
18	M76	Z	.587	.587	0	%100
19	M77	X	-1.381	-1.381	0	%100
20	M77	Z	.798	.798	0	%100
21	M80	X	-1.455	-1.455	0	%100
22	M80	Z	.84	.84	0	%100
23	M84	X	-1.017	-1.017	0	%100
24	M84	Z	.587	.587	0	%100
25	M85	X	-.345	-.345	0	%100
26	M85	Z	.199	.199	0	%100
27	M91	X	-.364	-.364	0	%100
28	M91	Z	.21	.21	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-.68	-.68	0	%100
32	M35	Z	.393	.393	0	%100
33	M36	X	-.68	-.68	0	%100
34	M36	Z	.393	.393	0	%100
35	M37	X	-1.356	-1.356	0	%100
36	M37	Z	.783	.783	0	%100
37	M40	X	-.188	-.188	0	%100
38	M40	Z	.109	.109	0	%100
39	M41	X	-.188	-.188	0	%100
40	M41	Z	.109	.109	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-.345	-.345	0	%100
44	M46A	Z	.199	.199	0	%100
45	M48	X	-.364	-.364	0	%100
46	M48	Z	.21	.21	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	-.345	-.345	0	%100
50	M51C	Z	.199	.199	0	%100
51	M53	X	-.364	-.364	0	%100
52	M53	Z	.21	.21	0	%100
53	M58A	X	-.603	-.603	0	%100
54	M58A	Z	.348	.348	0	%100
55	M59A	X	-.17	-.17	0	%100
56	M59A	Z	.098	.098	0	%100
57	M60	X	-.17	-.17	0	%100
58	M60	Z	.098	.098	0	%100
59	M61	X	-.339	-.339	0	%100
60	M61	Z	.196	.196	0	%100
61	M64	X	-.188	-.188	0	%100
62	M64	Z	.109	.109	0	%100
63	M65	X	-.753	-.753	0	%100
64	M65	Z	.435	.435	0	%100
65	M69	X	-1.017	-1.017	0	%100
66	M69	Z	.587	.587	0	%100



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**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.%]
67	M70	X	-.345	-.345	0	%100
68	M70	Z	.199	.199	0	%100
69	M72	X	-.364	-.364	0	%100
70	M72	Z	.21	.21	0	%100
71	M74	X	-1.017	-1.017	0	%100
72	M74	Z	.587	.587	0	%100
73	M75	X	-1.381	-1.381	0	%100
74	M75	Z	.798	.798	0	%100
75	M77A	X	-1.455	-1.455	0	%100
76	M77A	Z	.84	.84	0	%100
77	MP2A	X	-.537	-.537	0	%100
78	MP2A	Z	.31	.31	0	%100
79	MP3A	X	-.65	-.65	0	%100
80	MP3A	Z	.375	.375	0	%100
81	MP4A	X	-.537	-.537	0	%100
82	MP4A	Z	.31	.31	0	%100
83	M81A	X	-.772	-.772	0	%100
84	M81A	Z	.446	.446	0	%100
85	MP1C	X	-.537	-.537	0	%100
86	MP1C	Z	.31	.31	0	%100
87	MP4C	X	-.537	-.537	0	%100
88	MP4C	Z	.31	.31	0	%100
89	M90	X	-.193	-.193	0	%100
90	M90	Z	.111	.111	0	%100
91	MP1B	X	-.537	-.537	0	%100
92	MP1B	Z	.31	.31	0	%100
93	MP4B	X	-.537	-.537	0	%100
94	MP4B	Z	.31	.31	0	%100
95	M100	X	-.439	-.439	0	%100
96	M100	Z	.253	.253	0	%100
97	M102	X	-.162	-.162	0	%100
98	M102	Z	.094	.094	0	%100
99	M107	X	-.65	-.65	0	%100
100	M107	Z	.375	.375	0	%100
101	M112	X	-.162	-.162	0	%100
102	M112	Z	.094	.094	0	%100
103	M123	X	-.716	-.716	0	%100
104	M123	Z	.413	.413	0	%100
105	M124	X	-.179	-.179	0	%100
106	M124	Z	.103	.103	0	%100
107	M125	X	-.179	-.179	0	%100
108	M125	Z	.103	.103	0	%100
109	M126	X	-1.138	-1.138	0	%100
110	M126	Z	.657	.657	0	%100
111	M127	X	-1.304	-1.304	0	%100
112	M127	Z	.753	.753	0	%100
113	M128	X	-1.138	-1.138	0	%100
114	M128	Z	.657	.657	0	%100
115	MP2C	X	-.537	-.537	0	%100
116	MP2C	Z	.31	.31	0	%100
117	MP3C	X	-.65	-.65	0	%100
118	MP3C	Z	.375	.375	0	%100
119	MP2B	X	-.537	-.537	0	%100
120	MP2B	Z	.31	.31	0	%100
121	MP3B	X	-.65	-.65	0	%100
122	MP3B	Z	.375	.375	0	%100



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**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	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M4	X	-928	-928	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-62	-62	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-652	-652	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-652	-652	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-1.566	-1.566	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-1.196	-1.196	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-1.26	-1.26	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-1.566	-1.566	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-1.196	-1.196	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-1.26	-1.26	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-232	-232	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-589	-589	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	-589	-589	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	-1.175	-1.175	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-652	-652	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	-392	-392	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-1.196	-1.196	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	-1.26	-1.26	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	-392	-392	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	-232	-232	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-589	-589	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	-589	-589	0	%100





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**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.%)
58	M60	Z	0	0	0	%100
59	M61	X	-1.175	-1.175	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	-.652	-.652	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-.392	-.392	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	-.392	-.392	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-1.196	-1.196	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	-1.26	-1.26	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-.62	-.62	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	-.75	-.75	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-.62	-.62	0	%100
82	MP4A	Z	0	0	0	%100
83	M81A	X	-.669	-.669	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-.62	-.62	0	%100
86	MP1C	Z	0	0	0	%100
87	MP4C	X	-.62	-.62	0	%100
88	MP4C	Z	0	0	0	%100
89	M90	X	-.669	-.669	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	-.62	-.62	0	%100
92	MP1B	Z	0	0	0	%100
93	MP4B	X	-.62	-.62	0	%100
94	MP4B	Z	0	0	0	%100
95	M100	X	-.507	-.507	0	%100
96	M100	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	X	-.563	-.563	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	-.563	-.563	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	-.62	-.62	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	-.62	-.62	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	-1.25	-1.25	0	%100
110	M126	Z	0	0	0	%100
111	M127	X	-1.442	-1.442	0	%100
112	M127	Z	0	0	0	%100
113	M128	X	-1.442	-1.442	0	%100
114	M128	Z	0	0	0	%100



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**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.%]
115	MP2C	X	-62	-62	0	%100
116	MP2C	Z	0	0	0	%100
117	MP3C	X	-75	-75	0	%100
118	MP3C	Z	0	0	0	%100
119	MP2B	X	-62	-62	0	%100
120	MP2B	Z	0	0	0	%100
121	MP3B	X	-75	-75	0	%100
122	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-193	-193	0	%100
2	LV	Z	-111	-111	0	%100
3	M4	X	-603	-603	0	%100
4	M4	Z	-348	-348	0	%100
5	M10	X	-17	-17	0	%100
6	M10	Z	-098	-098	0	%100
7	MP1A	X	-537	-537	0	%100
8	MP1A	Z	-31	-31	0	%100
9	M43	X	-17	-17	0	%100
10	M43	Z	-098	-098	0	%100
11	M46	X	-339	-339	0	%100
12	M46	Z	-196	-196	0	%100
13	M51B	X	-188	-188	0	%100
14	M51B	Z	-109	-109	0	%100
15	M52B	X	-753	-753	0	%100
16	M52B	Z	-435	-435	0	%100
17	M76	X	-1.017	-1.017	0	%100
18	M76	Z	-587	-587	0	%100
19	M77	X	-345	-345	0	%100
20	M77	Z	-199	-199	0	%100
21	M80	X	-364	-364	0	%100
22	M80	Z	-21	-21	0	%100
23	M84	X	-1.017	-1.017	0	%100
24	M84	Z	-587	-587	0	%100
25	M85	X	-1.381	-1.381	0	%100
26	M85	Z	-798	-798	0	%100
27	M91	X	-1.455	-1.455	0	%100
28	M91	Z	-84	-84	0	%100
29	M34	X	-603	-603	0	%100
30	M34	Z	-348	-348	0	%100
31	M35	X	-17	-17	0	%100
32	M35	Z	-098	-098	0	%100
33	M36	X	-17	-17	0	%100
34	M36	Z	-098	-098	0	%100
35	M37	X	-339	-339	0	%100
36	M37	Z	-196	-196	0	%100
37	M40	X	-753	-753	0	%100
38	M40	Z	-435	-435	0	%100
39	M41	X	-188	-188	0	%100
40	M41	Z	-109	-109	0	%100
41	M45	X	-1.017	-1.017	0	%100
42	M45	Z	-587	-587	0	%100
43	M46A	X	-1.381	-1.381	0	%100
44	M46A	Z	-798	-798	0	%100
45	M48	X	-1.455	-1.455	0	%100



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**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.%]
46	M48	Z	-.84	-.84	0	%100
47	M50A	X	-1.017	-1.017	0	%100
48	M50A	Z	-.587	-.587	0	%100
49	M51C	X	-.345	-.345	0	%100
50	M51C	Z	-.199	-.199	0	%100
51	M53	X	-.364	-.364	0	%100
52	M53	Z	-.21	-.21	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-.68	-.68	0	%100
56	M59A	Z	-.393	-.393	0	%100
57	M60	X	-.68	-.68	0	%100
58	M60	Z	-.393	-.393	0	%100
59	M61	X	-1.356	-1.356	0	%100
60	M61	Z	-.783	-.783	0	%100
61	M64	X	-.188	-.188	0	%100
62	M64	Z	-.109	-.109	0	%100
63	M65	X	-.188	-.188	0	%100
64	M65	Z	-.109	-.109	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	-.345	-.345	0	%100
68	M70	Z	-.199	-.199	0	%100
69	M72	X	-.364	-.364	0	%100
70	M72	Z	-.21	-.21	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-.345	-.345	0	%100
74	M75	Z	-.199	-.199	0	%100
75	M77A	X	-.364	-.364	0	%100
76	M77A	Z	-.21	-.21	0	%100
77	MP2A	X	-.537	-.537	0	%100
78	MP2A	Z	-.31	-.31	0	%100
79	MP3A	X	-.65	-.65	0	%100
80	MP3A	Z	-.375	-.375	0	%100
81	MP4A	X	-.537	-.537	0	%100
82	MP4A	Z	-.31	-.31	0	%100
83	M81A	X	-.193	-.193	0	%100
84	M81A	Z	-.111	-.111	0	%100
85	MP1C	X	-.537	-.537	0	%100
86	MP1C	Z	-.31	-.31	0	%100
87	MP4C	X	-.537	-.537	0	%100
88	MP4C	Z	-.31	-.31	0	%100
89	M90	X	-.772	-.772	0	%100
90	M90	Z	-.446	-.446	0	%100
91	MP1B	X	-.537	-.537	0	%100
92	MP1B	Z	-.31	-.31	0	%100
93	MP4B	X	-.537	-.537	0	%100
94	MP4B	Z	-.31	-.31	0	%100
95	M100	X	-.439	-.439	0	%100
96	M100	Z	-.253	-.253	0	%100
97	M102	X	-.162	-.162	0	%100
98	M102	Z	-.094	-.094	0	%100
99	M107	X	-.162	-.162	0	%100
100	M107	Z	-.094	-.094	0	%100
101	M112	X	-.65	-.65	0	%100
102	M112	Z	-.375	-.375	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.%]
103	M123	X	-.179	-.179	0	%100
104	M123	Z	-.103	-.103	0	%100
105	M124	X	-.716	-.716	0	%100
106	M124	Z	-.413	-.413	0	%100
107	M125	X	-.179	-.179	0	%100
108	M125	Z	-.103	-.103	0	%100
109	M126	X	-1.138	-1.138	0	%100
110	M126	Z	-.657	-.657	0	%100
111	M127	X	-1.138	-1.138	0	%100
112	M127	Z	-.657	-.657	0	%100
113	M128	X	-1.304	-1.304	0	%100
114	M128	Z	-.753	-.753	0	%100
115	MP2C	X	-.537	-.537	0	%100
116	MP2C	Z	-.31	-.31	0	%100
117	MP3C	X	-.65	-.65	0	%100
118	MP3C	Z	-.375	-.375	0	%100
119	MP2B	X	-.537	-.537	0	%100
120	MP2B	Z	-.31	-.31	0	%100
121	MP3B	X	-.65	-.65	0	%100
122	MP3B	Z	-.375	-.375	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-.334	-.334	0	%100
2	LV	Z	-.579	-.579	0	%100
3	M4	X	-.116	-.116	0	%100
4	M4	Z	-.201	-.201	0	%100
5	M10	X	-.294	-.294	0	%100
6	M10	Z	-.51	-.51	0	%100
7	MP1A	X	-.31	-.31	0	%100
8	MP1A	Z	-.537	-.537	0	%100
9	M43	X	-.294	-.294	0	%100
10	M43	Z	-.51	-.51	0	%100
11	M46	X	-.587	-.587	0	%100
12	M46	Z	-1.017	-1.017	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-.326	-.326	0	%100
16	M52B	Z	-.565	-.565	0	%100
17	M76	X	-.196	-.196	0	%100
18	M76	Z	-.339	-.339	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-.196	-.196	0	%100
24	M84	Z	-.339	-.339	0	%100
25	M85	X	-.598	-.598	0	%100
26	M85	Z	-1.036	-1.036	0	%100
27	M91	X	-.63	-.63	0	%100
28	M91	Z	-1.091	-1.091	0	%100
29	M34	X	-.464	-.464	0	%100
30	M34	Z	-.804	-.804	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	0	0	0	%100



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**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.%]
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-326	-326	0	%100
38	M40	Z	-565	-565	0	%100
39	M41	X	-326	-326	0	%100
40	M41	Z	-565	-565	0	%100
41	M45	X	-783	-783	0	%100
42	M45	Z	-1.356	-1.356	0	%100
43	M46A	X	-598	-598	0	%100
44	M46A	Z	-1.036	-1.036	0	%100
45	M48	X	-63	-63	0	%100
46	M48	Z	-1.091	-1.091	0	%100
47	M50A	X	-783	-783	0	%100
48	M50A	Z	-1.356	-1.356	0	%100
49	M51C	X	-598	-598	0	%100
50	M51C	Z	-1.036	-1.036	0	%100
51	M53	X	-63	-63	0	%100
52	M53	Z	-1.091	-1.091	0	%100
53	M58A	X	-116	-116	0	%100
54	M58A	Z	-201	-201	0	%100
55	M59A	X	-294	-294	0	%100
56	M59A	Z	-.51	-.51	0	%100
57	M60	X	-294	-294	0	%100
58	M60	Z	-.51	-.51	0	%100
59	M61	X	-587	-587	0	%100
60	M61	Z	-1.017	-1.017	0	%100
61	M64	X	-326	-326	0	%100
62	M64	Z	-565	-565	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-196	-196	0	%100
66	M69	Z	-339	-339	0	%100
67	M70	X	-598	-598	0	%100
68	M70	Z	-1.036	-1.036	0	%100
69	M72	X	-63	-63	0	%100
70	M72	Z	-1.091	-1.091	0	%100
71	M74	X	-196	-196	0	%100
72	M74	Z	-339	-339	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-.31	-.31	0	%100
78	MP2A	Z	-.537	-.537	0	%100
79	MP3A	X	-.375	-.375	0	%100
80	MP3A	Z	-.65	-.65	0	%100
81	MP4A	X	-.31	-.31	0	%100
82	MP4A	Z	-.537	-.537	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-.31	-.31	0	%100
86	MP1C	Z	-.537	-.537	0	%100
87	MP4C	X	-.31	-.31	0	%100
88	MP4C	Z	-.537	-.537	0	%100
89	M90	X	-.334	-.334	0	%100
90	M90	Z	-.579	-.579	0	%100



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**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.%]
91	MP1B	X	-.31	-.31	0	%100
92	MP1B	Z	-.537	-.537	0	%100
93	MP4B	X	-.31	-.31	0	%100
94	MP4B	Z	-.537	-.537	0	%100
95	M100	X	-.253	-.253	0	%100
96	M100	Z	-.439	-.439	0	%100
97	M102	X	-.281	-.281	0	%100
98	M102	Z	-.487	-.487	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	-.281	-.281	0	%100
102	M112	Z	-.487	-.487	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	-.31	-.31	0	%100
106	M124	Z	-.537	-.537	0	%100
107	M125	X	-.31	-.31	0	%100
108	M125	Z	-.537	-.537	0	%100
109	M126	X	-.721	-.721	0	%100
110	M126	Z	-1.249	-1.249	0	%100
111	M127	X	-.625	-.625	0	%100
112	M127	Z	-1.083	-1.083	0	%100
113	M128	X	-.721	-.721	0	%100
114	M128	Z	-1.249	-1.249	0	%100
115	MP2C	X	-.31	-.31	0	%100
116	MP2C	Z	-.537	-.537	0	%100
117	MP3C	X	-.375	-.375	0	%100
118	MP3C	Z	-.65	-.65	0	%100
119	MP2B	X	-.31	-.31	0	%100
120	MP2B	Z	-.537	-.537	0	%100
121	MP3B	X	-.375	-.375	0	%100
122	MP3B	Z	-.65	-.65	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M40	Y	-1.879	-4.428	0	.832
2	M40	Y	-4.428	-7.042	.832	1.665
3	M40	Y	-7.042	-8.256	1.665	2.497
4	M40	Y	-8.256	-6.578	2.497	3.329
5	M40	Y	-6.578	-3.47	3.329	4.162
6	M41	Y	-3.463	-6.545	0	.832
7	M41	Y	-6.545	-8.189	.832	1.665
8	M41	Y	-8.189	-6.9	1.665	2.497
9	M41	Y	-6.9	-4.227	2.497	3.329
10	M41	Y	-4.227	-1.665	3.329	4.162
11	M51B	Y	-1.884	-4.426	0	.832
12	M51B	Y	-4.426	-7.044	.832	1.665
13	M51B	Y	-7.044	-8.26	1.665	2.497
14	M51B	Y	-8.26	-6.573	2.497	3.329
15	M51B	Y	-6.573	-3.462	3.329	4.162
16	M52B	Y	-3.463	-6.545	0	.832
17	M52B	Y	-6.545	-8.189	.832	1.665
18	M52B	Y	-8.189	-6.902	1.665	2.497
19	M52B	Y	-6.902	-4.228	2.497	3.329
20	M52B	Y	-4.228	-1.661	3.329	4.162
21	M64	Y	-1.664	-4.227	0	.832



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**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.%]
22	M64	Y	-4.227	-6.899	.832	1.665
23	M64	Y	-6.899	-8.187	1.665	2.497
24	M64	Y	-8.187	-6.544	2.497	3.329
25	M64	Y	-6.544	-3.463	3.329	4.162
26	M65	Y	-3.462	-6.572	0	.832
27	M65	Y	-6.572	-8.261	.832	1.665
28	M65	Y	-8.261	-7.048	1.665	2.497
29	M65	Y	-7.048	-4.428	2.497	3.329
30	M65	Y	-4.428	-1.883	3.329	4.162

**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	M40	Y	-4.577	-10.785	0	.832
2	M40	Y	-10.785	-17.15	.832	1.665
3	M40	Y	-17.15	-20.109	1.665	2.497
4	M40	Y	-20.109	-16.021	2.497	3.329
5	M40	Y	-16.021	-8.451	3.329	4.162
6	M41	Y	-8.434	-15.94	0	.832
7	M41	Y	-15.94	-19.944	.832	1.665
8	M41	Y	-19.944	-16.805	1.665	2.497
9	M41	Y	-16.805	-10.295	2.497	3.329
10	M41	Y	-10.295	-4.056	3.329	4.162
11	M51B	Y	-4.59	-10.78	0	.832
12	M51B	Y	-10.78	-17.157	.832	1.665
13	M51B	Y	-17.157	-20.119	1.665	2.497
14	M51B	Y	-20.119	-16.01	2.497	3.329
15	M51B	Y	-16.01	-8.431	3.329	4.162
16	M52B	Y	-8.435	-15.94	0	.832
17	M52B	Y	-15.94	-19.944	.832	1.665
18	M52B	Y	-19.944	-16.81	1.665	2.497
19	M52B	Y	-16.81	-10.298	2.497	3.329
20	M52B	Y	-10.298	-4.046	3.329	4.162
21	M64	Y	-4.052	-10.296	0	.832
22	M64	Y	-10.296	-16.804	.832	1.665
23	M64	Y	-16.804	-19.941	1.665	2.497
24	M64	Y	-19.941	-15.939	2.497	3.329
25	M64	Y	-15.939	-8.434	3.329	4.162
26	M65	Y	-8.433	-16.007	0	.832
27	M65	Y	-16.007	-20.12	.832	1.665
28	M65	Y	-20.12	-17.165	1.665	2.497
29	M65	Y	-17.165	-10.784	2.497	3.329
30	M65	Y	-10.784	-4.586	3.329	4.162

**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	M40	Z	-.056	-.133	0	.832
2	M40	Z	-.133	-.211	.832	1.665
3	M40	Z	-.211	-.248	1.665	2.497
4	M40	Z	-.248	-.197	2.497	3.329
5	M40	Z	-.197	-.104	3.329	4.162
6	M41	Z	-.104	-.196	0	.832
7	M41	Z	-.196	-.246	.832	1.665
8	M41	Z	-.246	-.207	1.665	2.497
9	M41	Z	-.207	-.127	2.497	3.329
10	M41	Z	-.127	-.05	3.329	4.162
11	M51B	Z	-.057	-.133	0	.832



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**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.%]
12	M51B	Z	-.133	-.211	.832	1.665
13	M51B	Z	-.211	-.248	1.665	2.497
14	M51B	Z	-.248	-.197	2.497	3.329
15	M51B	Z	-.197	-.104	3.329	4.162
16	M52B	Z	-.104	-.196	0	.832
17	M52B	Z	-.196	-.246	.832	1.665
18	M52B	Z	-.246	-.207	1.665	2.497
19	M52B	Z	-.207	-.127	2.497	3.329
20	M52B	Z	-.127	-.05	3.329	4.162
21	M64	Z	-.05	-.127	0	.832
22	M64	Z	-.127	-.207	.832	1.665
23	M64	Z	-.207	-.246	1.665	2.497
24	M64	Z	-.246	-.196	2.497	3.329
25	M64	Z	-.196	-.104	3.329	4.162
26	M65	Z	-.104	-.197	0	.832
27	M65	Z	-.197	-.248	.832	1.665
28	M65	Z	-.248	-.211	1.665	2.497
29	M65	Z	-.211	-.133	2.497	3.329
30	M65	Z	-.133	-.056	3.329	4.162

**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	M40	X	.056	.133	0	.832
2	M40	X	.133	.211	.832	1.665
3	M40	X	.211	.248	1.665	2.497
4	M40	X	.248	.197	2.497	3.329
5	M40	X	.197	.104	3.329	4.162
6	M41	X	.104	.196	0	.832
7	M41	X	.196	.246	.832	1.665
8	M41	X	.246	.207	1.665	2.497
9	M41	X	.207	.127	2.497	3.329
10	M41	X	.127	.05	3.329	4.162
11	M51B	X	.057	.133	0	.832
12	M51B	X	.133	.211	.832	1.665
13	M51B	X	.211	.248	1.665	2.497
14	M51B	X	.248	.197	2.497	3.329
15	M51B	X	.197	.104	3.329	4.162
16	M52B	X	.104	.196	0	.832
17	M52B	X	.196	.246	.832	1.665
18	M52B	X	.246	.207	1.665	2.497
19	M52B	X	.207	.127	2.497	3.329
20	M52B	X	.127	.05	3.329	4.162
21	M64	X	.05	.127	0	.832
22	M64	X	.127	.207	.832	1.665
23	M64	X	.207	.246	1.665	2.497
24	M64	X	.246	.196	2.497	3.329
25	M64	X	.196	.104	3.329	4.162
26	M65	X	.104	.197	0	.832
27	M65	X	.197	.248	.832	1.665
28	M65	X	.248	.211	1.665	2.497
29	M65	X	.211	.133	2.497	3.329
30	M65	X	.133	.056	3.329	4.162





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**Member Area Loads (BLC 39 : Structure D)**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57	N81	N79	N56	Y	Two Way	- .005
2	N7	N6	N87C	N87B	Y	Two Way	- .005
3	N86	N110	N108	N85	Y	Two Way	- .005

**Member Area Loads (BLC 40 : Structure Di)**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57	N81	N79	N56	Y	Two Way	- .013
2	N7	N6	N87C	N87B	Y	Two Way	- .013
3	N86	N110	N108	N85	Y	Two Way	- .013

**Member Area Loads (BLC 84 : Structure Ey)**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57	N81	N79	N56	Y	Two Way	0
2	N7	N6	N87C	N87B	Y	Two Way	0
3	N86	N110	N108	N85	Y	Two Way	0

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57	N81	N79	N56	Z	Two Way	- .000156
2	N7	N6	N87C	N87B	Z	Two Way	- .000156
3	N86	N110	N108	N85	Z	Two Way	- .000156

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57	N81	N79	N56	X	Two Way	.000156
2	N7	N6	N87C	N87B	X	Two Way	.000156
3	N86	N110	N108	N85	X	Two Way	.000156

**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	N3	max	812.986	10	605.574	7	3625.024	1	.574	19	.995	4	.208	10
2		min	-778.712	4	-323.543	1	-2647.356	7	-.175	1	-1.021	10	-.3	16
3	N54	max	2991.335	9	532.933	3	1383.826	3	.259	7	.953	12	.212	10
4		min	-2183.211	3	-343.351	9	-1839.873	9	-.739	37	-.918	6	-.436	4
5	N83	max	2123.668	11	499.785	11	1138.044	12	.27	7	.982	8	.518	22
6		min	-3024.357	5	-330.009	5	-1660.775	6	-.463	37	-.963	2	-.341	28
7	N224	max	54.969	10	3105.03	13	141.33	7	0	75	0	4	0	10
8		min	-54.973	4	-304.164	7	-1899.248	13	0	1	0	10	0	4
9	N225	max	135.737	3	3100.387	21	948.158	21	0	6	0	12	0	12
10		min	-1642.256	21	-328.535	3	-78.339	3	0	12	0	6	0	6
11	N226A	max	1665.486	17	3142.806	17	961.519	17	0	8	0	8	0	8
12		min	-71.311	11	-210.783	11	-41.199	11	0	2	0	2	0	2
13	Totals:	max	4620.957	10	8932.214	14	4568.847	1						
14		min	-4620.963	4	2346.291	71	-4568.851	7						

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

Member	Shape	Code Check	Loc[ft]	LC	Shear	Loc[ft]	Dir	LC	phi*Pnc	phi*Pnt	phi*Mn y	phi*Mn z	Cb	Eqn	
1	LV	PIPE 3.0	.107	4.948	10	.071	4.427	8	28250.5...	65205	5.749	5.749	3...	H1-1b	
2	M4	HSS4X4X4	.135	2.972	13	.058	2.972	y	15	124657...	139518	16.181	16.181	1...	H1-1b
3	M10	HSS4X4X4	.155	2.375	13	.051	2.375	y	24	136263...	139518	16.181	16.181	1...	H1-1b
4	MP1A	PIPE 2.0	.250	4.563	4	.108	4.5	2	20866.7...	32130	1.872	1.872	1...	H1-1b	



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

Member	Shape	Code Check	Loc[ft]	LC Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...]	phi*Mn y ...	phi*Mn z ...	Cb	Eqn
5	M43	HSS4X4X4	.161	0	13 .058	0	y	14	136263....	139518	16.181	16.181	1... H1-1b
6	M46	PL3/8x6	.166	.516	1 .106	.516	y	15	36639.4...	72900	.57	9.113	1... H1-1b
7	M51B	L2x2x2	.177	0	2 .016	4.162	y	18	6739.676	15908.4	.403	.698	1... H2-1
8	M52B	L2x2x2	.190	4.162	12 .016	0	y	21	6739.676	15908.4	.403	.704	1... H2-1
9	M76	PL3/8x6	.226	0	7 .138	0	y	19	70677.9...	72900	.57	9.113	1... H1-1b
10	M77	PL3/8x6	.255	.167	7 .285	0	y	13	71601.7...	72900	.57	9.113	1... H1-1b
11	M80	PL3/8x6	.068	.112	1 .184	0	y	12	72311.05	72900	.57	9.113	1... H1-1b
12	M84	PL3/8x6	.225	0	3 .167	0	y	8	70677.9...	72900	.57	9.113	1... H1-1b
13	M85	PL3/8x6	.247	.167	7 .303	0	y	13	71601.7...	72900	.57	9.113	1... H1-1b
14	M91	PL3/8x6	.059	.112	2 .199	0	y	14	72311.05	72900	.57	9.113	1... H1-1b
15	M34	HSS4X4X4	.138	2.972	21 .058	2.972	y	23	124657....	139518	16.181	16.181	1... H1-1b
16	M35	HSS4X4X4	.154	2.375	21 .051	2.375	y	20	136263....	139518	16.181	16.181	1... H1-1b
17	M36	HSS4X4X4	.158	0	21 .057	0	y	22	136263....	139518	16.181	16.181	1... H1-1b
18	M37	PL3/8x6	.172	.516	9 .106	.516	y	23	36639.4...	72900	.57	9.113	1... H1-1b
19	M40	L2x2x2	.178	0	10 .016	4.162	y	13	6739.676	15908.4	.403	.698	1... H2-1
20	M41	L2x2x2	.189	4.162	8 .016	0	y	17	6739.676	15908.4	.403	.704	1... H2-1
21	M45	PL3/8x6	.226	0	9 .126	0	y	14	70677.9...	72900	.57	9.113	1... H1-1b
22	M46A	PL3/8x6	.252	.167	3 .279	0	y	21	71601.7...	72900	.57	9.113	1... H1-1b
23	M48	PL3/8x6	.068	.112	3 .192	0	y	8	72311.05	72900	.57	9.113	2... H1-1b
24	M50A	PL3/8x6	.224	0	5 .167	0	y	4	70677.9...	72900	.57	9.113	1... H1-1b
25	M51C	PL3/8x6	.260	.167	3 .297	0	y	21	71601.7...	72900	.57	9.113	1... H1-1b
26	M53	PL3/8x6	.061	.112	9 .202	0	y	22	72311.05	72900	.57	9.113	1... H1-1b
27	M58A	HSS4X4X4	.139	2.972	17 .071	2.972	y	27	124657....	139518	16.181	16.181	1... H1-1b
28	M59A	HSS4X4X4	.155	2.375	17 .051	2.375	y	16	136263....	139518	16.181	16.181	1... H1-1b
29	M60	HSS4X4X4	.164	0	16 .059	0	y	18	136263....	139518	16.181	16.181	1... H1-1b
30	M61	PL3/8x6	.167	.516	5 .127	.516	y	27	36639.4...	72900	.57	9.113	1... H1-1b
31	M64	L2x2x2	.172	0	6 .016	4.162	y	21	6739.676	15908.4	.403	.704	1... H2-1
32	M65	L2x2x2	.192	4.162	4 .016	0	y	13	6739.676	15908.4	.403	.698	1... H2-1
33	M69	PL3/8x6	.225	0	11 .127	0	y	22	70677.9...	72900	.57	9.113	1... H1-1b
34	M70	PL3/8x6	.240	.167	11 .281	0	y	17	71601.7...	72900	.57	9.113	1... H1-1b
35	M72	PL3/8x6	.066	.112	5 .319	0	y	28	72311.05	72900	.57	9.113	1... H1-1b
36	M74	PL3/8x6	.227	0	7 .161	0	y	12	70677.9...	72900	.57	9.113	1... H1-1b
37	M75	PL3/8x6	.242	.167	11 .309	0	y	17	71601.7...	72900	.57	9.113	1... H1-1b
38	M77A	PL3/8x6	.058	.112	5 .208	0	y	18	72311.05	72900	.57	9.113	1... H1-1b
39	MP2A	PIPE 2.0	.302	4.563	4 .067	2.75	6	20866.7...	32130	1.872	1.872	1... H1-1b	
40	MP3A	PIPE 2.5	.275	4.563	4 .056	4.563	3	37773.8...	50715	3.596	3.596	1... H1-1b	
41	MP4A	PIPE 2.0	.226	4.563	4 .102	1.125	7	20866.7...	32130	1.872	1.872	1... H1-1b	
42	M81A	PIPE 3.0	.105	7.552	6 .074	8.073	3	28250.5...	65205	5.749	5.749	3... H1-1b	
43	MP1C	PIPE 2.0	.235	4.563	12 .111	3.875	3	20866.7...	32130	1.872	1.872	1... H1-1b	
44	MP4C	PIPE 2.0	.233	4.563	6 .112	1.125	3	20866.7...	32130	1.872	1.872	1... H1-1b	
45	M90	PIPE 3.0	.110	7.552	2 .068	8.073	11	28250.5...	65205	5.749	5.749	3... H1-1b	
46	MP1B	PIPE 2.0	.248	4.563	8 .100	4.563	12	20866.7...	32130	1.872	1.872	1... H1-1b	
47	MP4B	PIPE 2.0	.236	4.563	2 .104	1.125	5	20866.7...	32130	1.872	1.872	1... H1-1b	
48	M100	PIPE 2.0	.079	2	10 .015	2	10	28843.4...	32130	1.872	1.872	2... H1-1b	
49	M102	PIPE 2.5	.151	1.042	4 .069	1.042	8	14558.7...	50715	3.596	3.596	2... H1-1b	
50	M107	PIPE 2.5	.150	11.458	6 .076	1.042	2	14558.7...	50715	3.596	3.596	2... H1-1b	
51	M112	PIPE 2.5	.162	11.458	2 .065	1.042	4	14558.7...	50715	3.596	3.596	2... H1-1b	
52	M123	L3X3X4	.206	.998	8 .065	.863	z	6	45638.1...	46656	1.688	3.756	1... H2-1
53	M124	L3X3X4	.226	.998	3 .068	0	z	2	45638.1...	46656	1.688	3.756	1... H2-1
54	M125	L3X3X4	.199	0	2 .063	0	z	10	45638.1...	46656	1.688	3.756	1... H2-1
55	M126	LL3x3x3x3	.077	5.618	13 .004	5.618	z	10	47413.3...	70632	5.543	3.751	1 H1-1b*
56	M127	LL3x3x3x3	.077	5.618	21 .004	5.618	z	6	47413.3...	70632	5.543	3.751	1 H1-1b*
57	M128	LL3x3x3x3	.078	5.618	17 .004	5.618	z	2	47413.3...	70632	5.543	3.751	1 H1-1b*
58	MP2C	PIPE 2.0	.296	4.563	6 .073	2.75	2	20866.7...	32130	1.872	1.872	1... H1-1b	
59	MP3C	PIPE 2.5	.259	4.563	6 .053	4.625	4	37773.8...	50715	3.596	3.596	1... H1-1b	
60	MP2B	PIPE 2.0	.310	4.563	2 .071	4.563	3	20866.7...	32130	1.872	1.872	1... H1-1b	
61	MP3B	PIPE 2.5	.271	4.563	8 .053	4.625	11	37773.8...	50715	3.596	3.596	1... H1-1b	

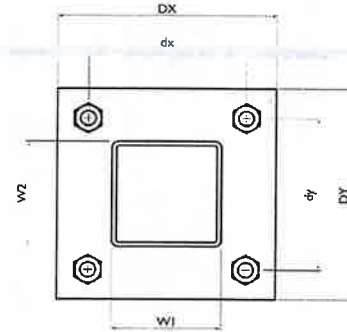
**I. Mount-to-Tower Connection Check**

Custom Orientation Required

Tower Connection Bolt Checks

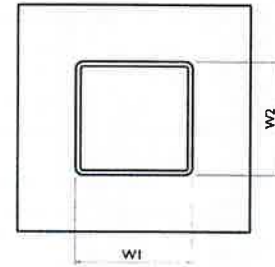
Bolt Orientation

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):	1.3
Required Shear Strength / bolt (kips):	0.3
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	6.3%



Tower Connection Baseplate Checks

Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, $D_x$ (in):	10
Plate Height, $D_y$ (in):	10
$W_1$ (in):	4
$W_2$ (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):	0.75
Length of Yield Line, $L_y$ (in):	7.75
Bolt Eccentricity, $e$ (in):	2.35
$M_u$ (kip-in):	2.98
$\Phi * M_n$ (kip-in):	35.31
Plate Bending Utilization:	8.4%



**VzW**  
**SMART Tool**<sup>®</sup>  
**Vendor**

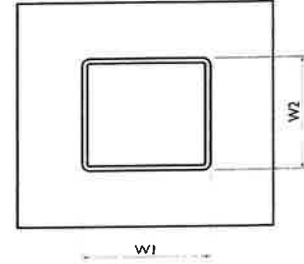
Client:	Verizon Wireless	Date:	7/3/2023
Site Name:	ASHFORD WEST 2 CT		
MDG #:	5000247929		
Fuze ID #:	17123746	Page:	2

Version 1.01

Tower Connection Weld Checks

Weld Shape:  
Weld Stiffener Configuration:  
Stiffener Notch Length, n (in):  
Weld Size (1/16 in):  
W1 (in):  
W2 (in):  
Weld Total Length (in):  
 $Z_x$  (in<sup>3</sup>/in):  
 $Z_y$  (in<sup>3</sup>/in):  
 $J_p$  (in<sup>4</sup>/in):  
 $c_x$  (in)  
 $c_y$  (in)  
Required combined strength (kip/in):  
Weld Capacity (kip/in):  
Weld Utilization:

<b>Yes</b>
<b>Rectangle</b>
<b>None</b>
4
4
4
16.00
21.33
21.33
85.33
2.25
2.25
0.49
5.57
<b>8.8%</b>



# **ATTACHMENT 4**



← Parcels (1)  
 ☆ CT-003-43-E-4+  
 🏠 House Image  
 📄 Image  
**Parcel Report**   **Abutters Report**  
**Owner:** KNOWLTON THOMAS E  
**Address:** 92 KNOWLTON HILL RD  
**Town:** Ashford  
**Appraised Value:** 295943

[View Additional Details](#)   
 [Run a Report](#)   
 [Add to Results](#)

Knowlton Hill

WINDHAM TOLLAND

063 fl

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2016.



# Ashford, Connecticut

Information on the Property Records for the Municipality of Ashford was last updated on 8/18/2021.



## Parcel Information

Location:	92 KNOWLTON HILL RD	Property Use:	Vacant Land	Primary Use:	Residential Vacant Land
Unique ID:	00107200	Map Block Lot:	43 E 4 +	Acres:	99.30
490 Acres:	97.30	Zone:	RA	Volume / Page:	0175/0539
Developers Map / Lot:	8.1,4	Census:	8301000		

## Value Information

	Appraised Value	Assessed Value
Land	204,600	79,560
Buildings	0	0
Detached Outbuildings	182,300	127,600
Total	386,900	207,160

## Owner's Information


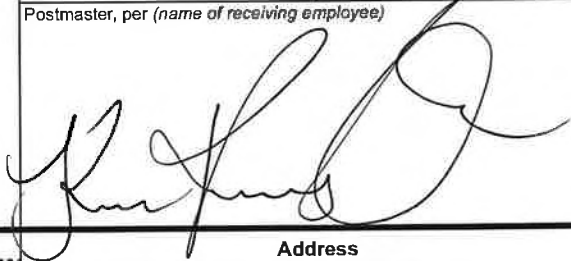
**Owner's Data**  
 KNOWLTON THOMAS E  
 317 SQUAW HOLLOW RD  
 ASHFORD, CT 06278

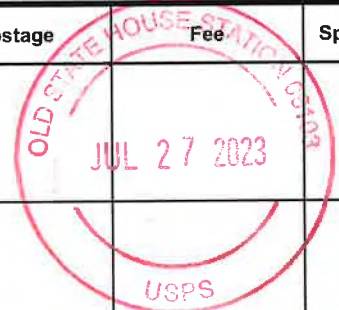
# **ATTACHMENT 5**



**Certificate of Mailing — Firm**



Name and Address of Sender  Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	TOTAL NO. of Pieces Listed by Sender  <p style="text-align: center; font-size: 2em;">3</p>	TOTAL NO. of Pieces Received at Post Office™  <p style="text-align: center; font-size: 2em;">3</p>	Affix Stamp Here Postmark with Date of Receipt.  <div style="text-align: right;">                     neopost<sup>®</sup>                      07/27/2023  <b>US POSTAGE \$003.19<sup>0</sup></b>                         ZIP 06103                      041L12203937                 </div>
	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.	William Falletti, First Selectman City of Ashford 5 Town Hall Road Ashford, CT 06278				
2.	Michael D'Amato, ACIP, Zoning Officer City of Ashford 5 Town Hall Road Ashford, CT 06278				
3.	Thomas Knowlton 317 Squaw Hallow Road Ashford, CT 06278				
4.					
5.					
6.					