

September 11, 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  
86 Voluntown Road, Stonington, Connecticut**

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains a wireless telecommunications facility at the above-referenced address (the “Property”). Cellco’s facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. The tower was approved by the Town of Stonington (“Town”) in July of 1998. Cellco’s shared use of the tower was approved by the Siting Council (“Council”) in July of 2007 (EM-VER-137-070619). A copy of the Town’s tower approval and Cellco’s shared use approval are included in Attachment 1.

Cellco’s proposed modification involves the installation of two (2) interference mitigation filters (“Filters”) on its existing antenna platform and mounting assembly. The Filter specification sheet is included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Stonington’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 modification will not result in an increase in the height of the existing tower. The Filters will be installed on Cellco’s existing antenna platform and mounting

Melanie A. Bachman, Esq.

September 11, 2023

Page 2

assembly.

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

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

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

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

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

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

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

Sincerely,



Kenneth C. Baldwin

Enclosures

Copy to:

Danielle Chesebrough, First Selectman  
Keith Brynes, Town Planner  
Blackrock Properties II, LLC, Property Owner  
Alex Tyurin, Verizon Wireless

# ATTACHMENT 1

SITE ID #8~~77~~ 0595

SITE NAME: Stonington East / CT00595-5  
Zoning

JOB COST #000595

## ZONING/PERMITTING COMPLETION FORM

Zoning Classification for Site: HI

Special Relief (setback, height variance, special use permit, wetlands permit etc.):

Special Use Permit

\* Date of Zoning Decision: 7/2/98

Summary of zoning conditions (Include details of any conditions relative to time restrictions, expiration dates, renewal obligations, monetary obligations, performance obligation, inspection fees).

See attached conditions.

Submitted by: Esther McNany

Title: Territory Manager

Territory Manager Approval:

\* Attach a copy of the Zoning decision and forward to the Regional Compliance Manager as soon as possible, after the decision.

**TOWN OF STONINGTON**  
**The Planning and Zoning Commission**  
**152 Elm Street, P.O. Box 352**  
**Stonington, Connecticut 06378**  
**(860) 535-5095**

July 8, 1998

Scott Thomae  
SBA, Inc.  
125 Shaw Street #116  
New London, CT 06320

Dear Sir:

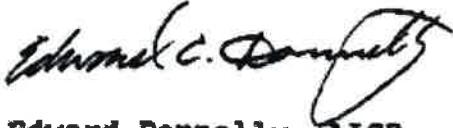
The Planning and Zoning Commission at their meeting of July 2, 1998 voted to APPROVE your application - #PZ9823SPA SBA, Inc. / SCOTT THOMAE - Application for Site Plan Approval for a multi-tenant monopole telecommunications facility and placement of associated equipment. Property located at 86 Voluntown Road, Stonington. Assessor's Map 18 Block 2 Lot 5 Zone HI. Groundwater Protection Permit Required. Your application was approved with the following stipulations:

1. Show the location of erosion & sedimentation devices on the plan.
2. Provide the geotechnical information to the Town Engineer which includes soil types and bearing capacity of the soils found on this site.
3. Clean up the lot: remove existing Russian Olive and other weedy vegetation, grade and bring in loam, apply an ecology grass seed mixture which will require mowing only once or twice a year. In addition to the planting around the tower enclosure, plant three deciduous trees in the front portion of the site in the locations indicated in the attached sketch plan and as follows: 1- Honey Locust (*Gleditsia triacanthos* var. *inermis* "Moraine or Shade Master") and 2 Winter King Hawthorn (*Crataegus viridis* 'Winter King'), 2 inch caliper minimum at time of planting.

Please schedule an appointment with the Planning Office to review the final plans which have incorporated all the above stipulations and/or changes. Please bring to the Planning and Zoning Office for the Chairman's signature one (1) set of blueprints and one (1) set of mylars and one

If you have any questions, please feel free to contact the Planning Office.

Sincerely,



Edward Donnelly, AICP  
Planning Director

Enclosure

Stonington case / CT00595  
Verizon Shelter Stacking

OFFICE OF THE BUILDING OFFICIAL



Town Of Stonington  
152 Elm Street  
Stonington, Connecticut 06378  
(860) 535-5075 • Fax (860) 535 - 1023

Zoning

Date of Final Inspection: July 2, 2008

CERTIFICATE OF USE AND OCCUPANCY

This is to certify that the building located on:

86 Voluntown Road, Pawcatuck

constructed as install antennas on existing tower and place equipment shelter on raised steel platform within compound

for Blackrock Properties LLC, property owner;  
Verizon-Celco Partnership - applicant

under Building Permit No. B-2007-448 dated 9/13/2007

conforms substantially to the requirements of the 1996 edition of the BOCA National Building Code, and the 1999 Connecticut Supplement, the State of Connecticut Public Health Code and is hereby approved for use and/or occupancy as indicated below:

Temporary Occupancy in accordance with Section 118.2

Permanent Occupancy in accordance with Section 118.0  X

Use Group (Article 3)  U /Construction Type 5B

Any additional work, structural, plumbing, heating or electrical will require new permits and a new certificate of occupancy. The above captioned structure may not be occupied for a period of more than thirty days from time of completion of such new work without a new certificate of occupancy.

Wanne J. ...  
Building Official

7/10/08  
Date



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: [siting.council@ct.gov](mailto:siting.council@ct.gov)

Internet: [ct.gov/csc](http://ct.gov/csc)

Daniel F. Caruso  
Chairman

July 11, 2007

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

RE: **EM-VER-137-070619** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 86 Voluntown Road, Stonington, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on July 3, 2007, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated June 19, 2007, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,

Daniel F. Caruso  
Chairman

DFC/MP/laf

c: The Honorable William S. Brown, First Selectman, Town of Stonington  
Jason Vincent, Town Planner, Town of Stonington  
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP  
Christopher B. Fisher, Esq., Cuddy & Feder LLP  
Christine Farrell, T-Mobile Inc.



# **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



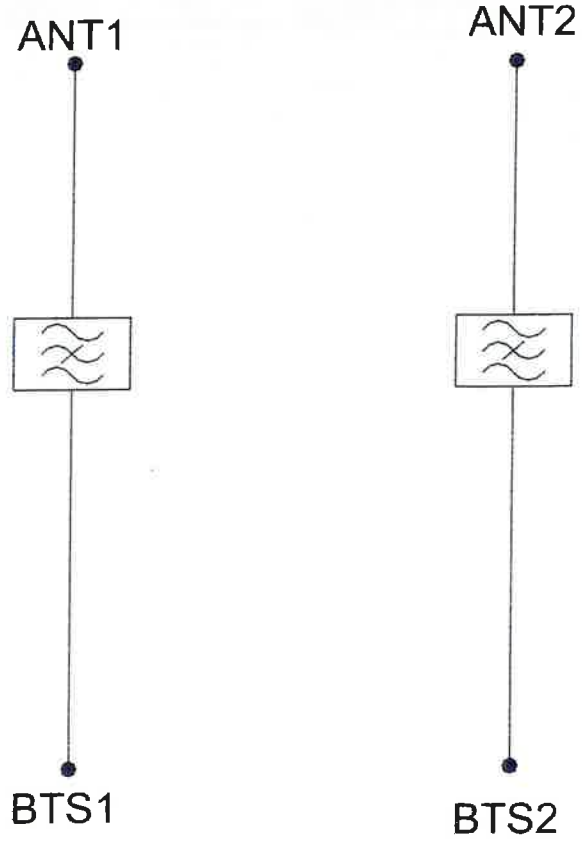
### TECHNICAL SPECIFICATIONS

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.	

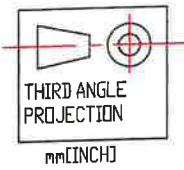
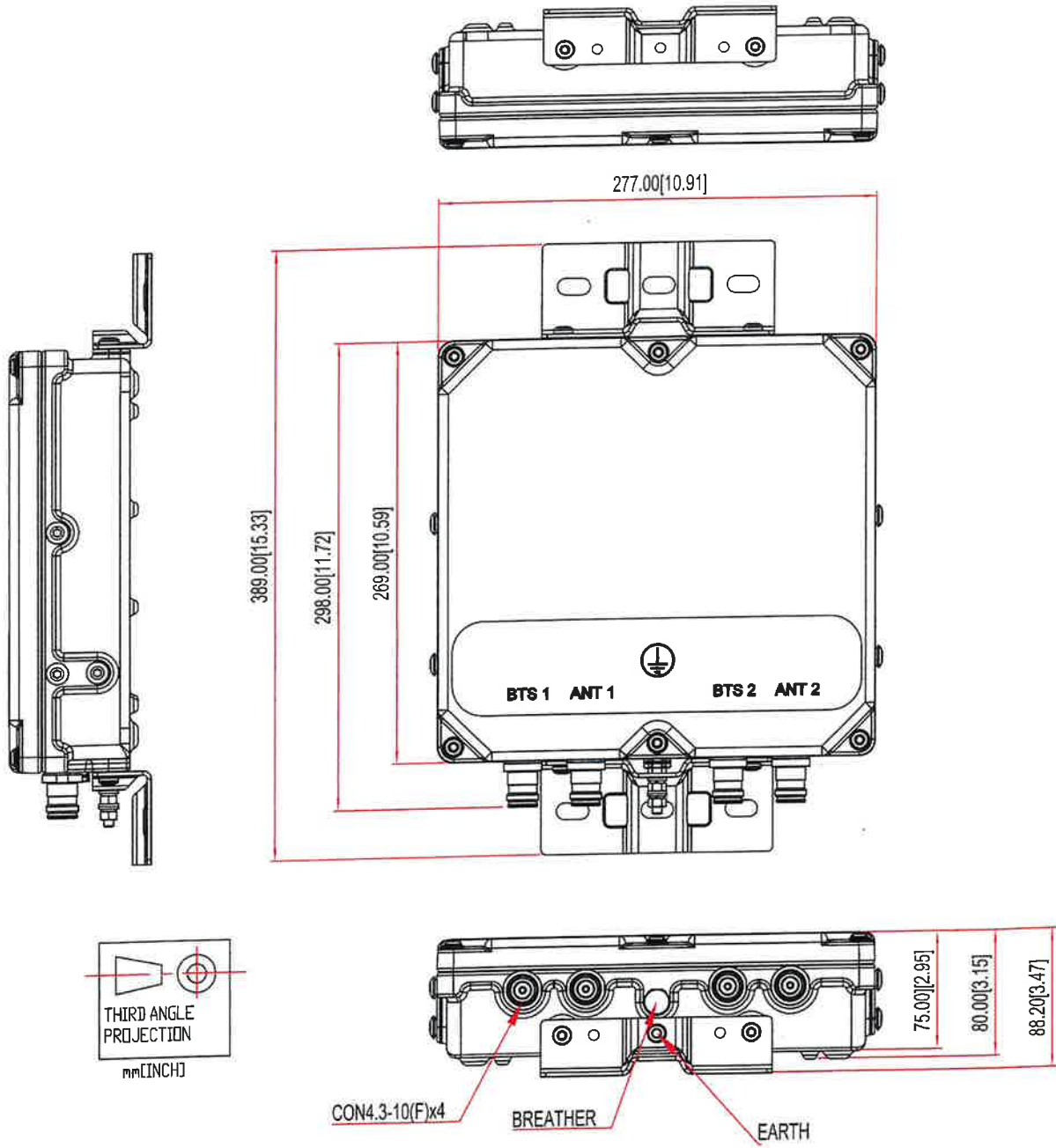
## ORDERING INFORMATION

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: 5000245961 / Stonington East CT  
Application #: 232539, v2

SBA Site ID / Name: CT00595-S / Stonington East

196 ft Monopole

86 Voluntown Road  
Stonington, Connecticut 06379  
Lat: 41.405539, Long: -71.845247

Project number: CT00595-VZW-073123

### Analysis Results

Tower	99.9%	Pass
Foundation	80.0%	Pass

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

Prepared by:

Kenneth Williams  
Structural Engineer I  
561-226-9512  
KWilliams@sbsite.com

Reviewed by:

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

August 2, 2023



**Table of Contents**

Introduction..... 3

Analysis Criteria ..... 3

Appurtenance Loading ..... 4

    Existing Loading: ..... 4

    Proposed Loading: ..... 5

Analysis Results ..... 6

    Tower ..... 6

    Foundation ..... 6

Conclusions ..... 7

Installation Requirements ..... 7

Assumptions and Limitations ..... 8

    Assumptions ..... 8

    Limitations ..... 8

Appendix ..... 9

    Tower Geometry ..... 9

    Coax Layout ..... 9

    TESPole Report ..... 9

    Foundation Analysis Report ..... 9





## Introduction

The purpose of this report is to summarize the analysis results on the 196 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>	Valmont, Order # 17507-98, dated 6/23/1998
<b>Foundation drawings</b>	Valmont, Drawing # 17507-S-01 dated 7/9/1998
<b>Geotechnical report</b>	SAGE, Project # G004, dated 6/10/1998
<b>Modification drawings</b>	N/A
<b>Mount Analysis</b>	Colliers, Project # 3777156, 7/20/2023
<b>Latest SA</b>	TES, Project # 138163, dated 1/27/2023

## Analysis Criteria

Table 2 Code Related Data

<b>Jurisdiction (State/County/City)</b>	Connecticut/New London/Stonington
<b>Governing Codes</b>	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 CSBC
<b>Ultimate Wind Speed (3-Sec gust)</b>	128.0 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>	1.00"
<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>	50.95 ft.
<b>Seismic Parameter <math>S_s</math></b>	0.184
<b>Seismic Parameter <math>S_1</math></b>	0.052

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	195.0	3	RFS APXVSP18-C-A20 – Panel	Low Profile Platform	(4) 1 1/4"	T-Mobile Sprint
2		3	RFS APXVTM14-C-120 – Panel			
3		3	Alcatel Lucent 1900MHz RRH			
4		3	Alcatel Lucent TD-RRH8x20-25			
5		3	Alcatel Lucent 800MHz RRH			
6		3	Alcatel Lucent 800MHz Filter			
7		4	RFS ACU-A20-N			
8	167.0	3	Commscope VV-65A-R1 – Panel	Low profile platform w/ Handrails & Reinforcement Kit (Sitepro PRK-1245; Commscope VSR.M5-B; Sitepro1 HRK-12-U; Sitepro1 PRK-SFS-L + (3) Pipe 2.5STD x 8' mount pipes; New Sitepro1 SCX x -43 cross-over plate assemblies	(8) 1 5/8" (3) 1 5/8" Fiber (1) 1.9" Fiber	T-Mobile
9		3	RFS APXVAALL24-43-U-NA20 – Panel			
10		3	Ericsson AIR6449 B41 – Panel			
11		3	Ericsson 4449 B71 + B85 – RRU			
12		3	Ericsson 4460 B25 + B66 – RRU			
13	3	Ericsson - KRY 112 144/1 – TMA				
14	150.0	2	Kathrein 800 10966 – Panel	(1) Low Profile Platform (2) 2-1/2" std. Pipe Mast (1) SitePro1 HRK14 (Handrail Kit)	(12) 1 5/8" (1) 1/2" Fiber (1) 2" Conduit* (2) 3/4" DC	AT&T
15		1	Kathrein 80010964 – Panel			
16		3	Cci HPA65R-BU4A – Panel			
17		3	Powerwave 7770 – Panel			
18		3	Ericsson 4449 B5/B12			
19		3	Ericsson B2 B66A 8843			
20		6	Powerwave LGP21401 – TMA			
21		6	Powerwave LGP13519 – Diplexer			
22		2	Raycap DC6-48-60-18-8F			
23		6	JMA Wireless MX06FRO660-03 – Panel			
24	3	Samsung MT6407-77A – Panel	Low Profile Platform w/ (3) JMA 91900314-02	(12) 1 5/8" ** (2) 1 5/8" Hybrid **	Verizon	
25	3	Samsung XXDWMM-12.5-65-8TCBRS – Panel				
26	3	Samsung RF4439d 25A				
27	3	Samsung RF4440d 13a				
28	1	Raycap RVZDC-6627-PF-48				
29	3	JMA Wireless MX08FRO665-21 - Panel				
30	125.0	3	JMA Wireless MX08FRO665-21 - Panel	(1) Commscope MC-PK8- DSH Low-profile platform w/HRK	(1) 1.6" Hybrid	Dish Wireless
31		3	Fujitsu TA08025-B605			
32		3	Fujitsu TA08025-B604			
33		1	Raycap RDIDC-9181-PF-48			

\*(1) 2" conduit to house (2) 3/4" DC and (1) 1/2" Fiber. \*\*(12) 1 5/8" and (2) 1 5/8" Hybrid outside tower.

*Note: AT&T loading includes FirstNET equipment*



**Proposed Loading:**

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 232539, 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
23	141.5	3	Samsung MT6407-77A – Panel	Platform w/ Handrail w/ (3) Dual Mount Antenna Bracket (JMA 91900314-02)	(12) 1 5/8" ** (2) 1 5/8" Hybrid **	Verizon
24	140.0	6	JMA Wireless MX06FRO660-03 – Panel			
25		3	Samsung RF4439d 25A			
26		3	Samsung RF4440d 13a			
27		1	Raycap RVZDC-6627-PF-48			
28		2	Kaelus KA-6030			
29	138.0	3	Samsung XXDWMM-12.5-65-8TCBRS – Panel			

\*(1) 2" conduit to house (2) 3/4" DC and (1) 1/2" Fiber. \*\*(12) 1 5/8" and (2) 1 5/8" Hybrid outside tower.



## 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>	99.9%	82.3%	82.0%
<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>	80.0%	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 99.92% at 0.0ft**

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)

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

8/2/2023



Page: 1

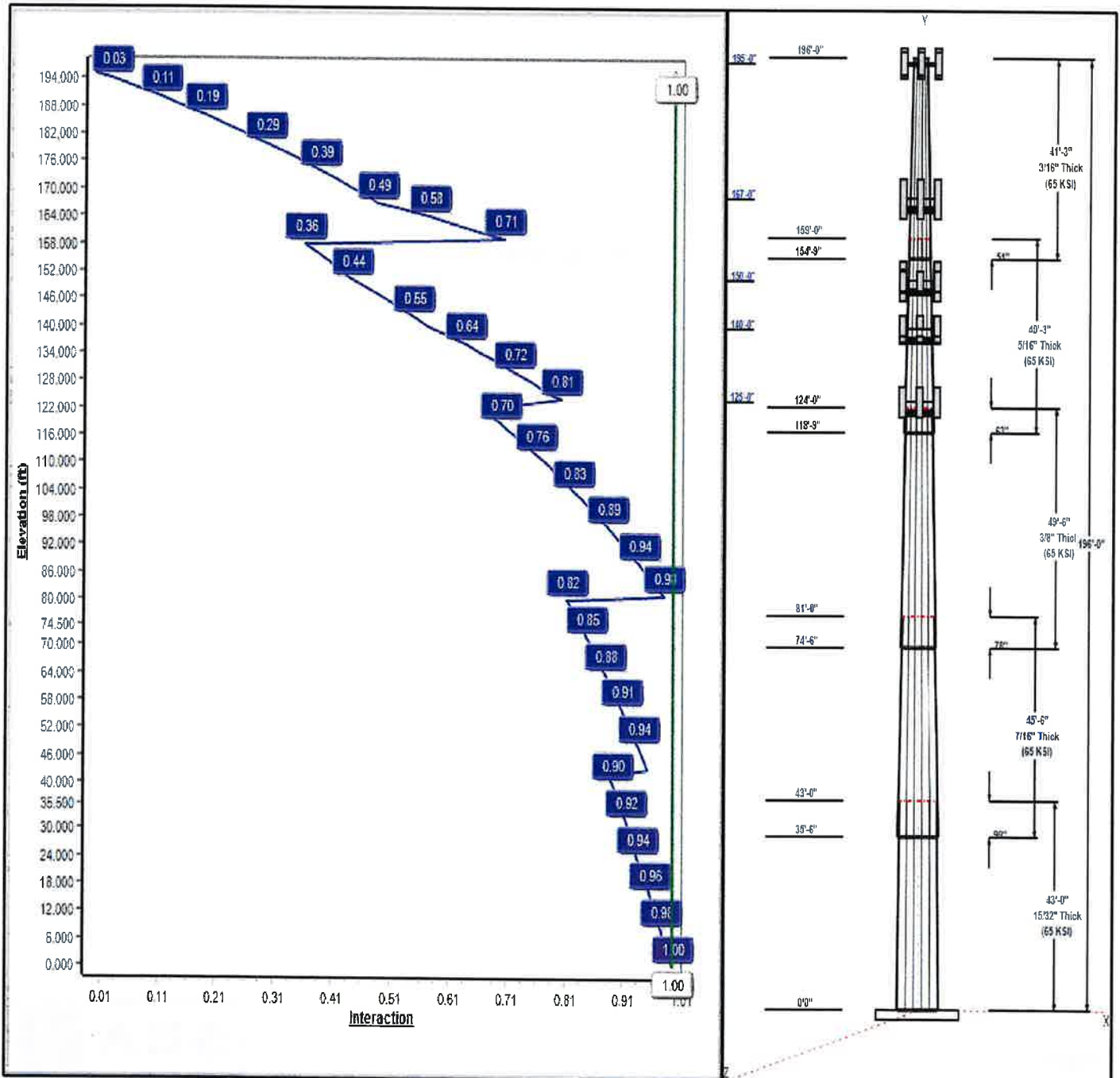
Dead Load Factor: 1.20  
 Wind Load Factor: 1.00

Iterations: 32

**Load Case : 1.2D + 1.0W 128 mph Wind**



Copyright © 2023 by Tower Engineering Solutions, LLC. All rights reserved.





**Structure: CT00595-S**

**Type:** Tapered  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.00 (ft)

**Base Shape:** 12 Sided  
**Taper:** 0.25120

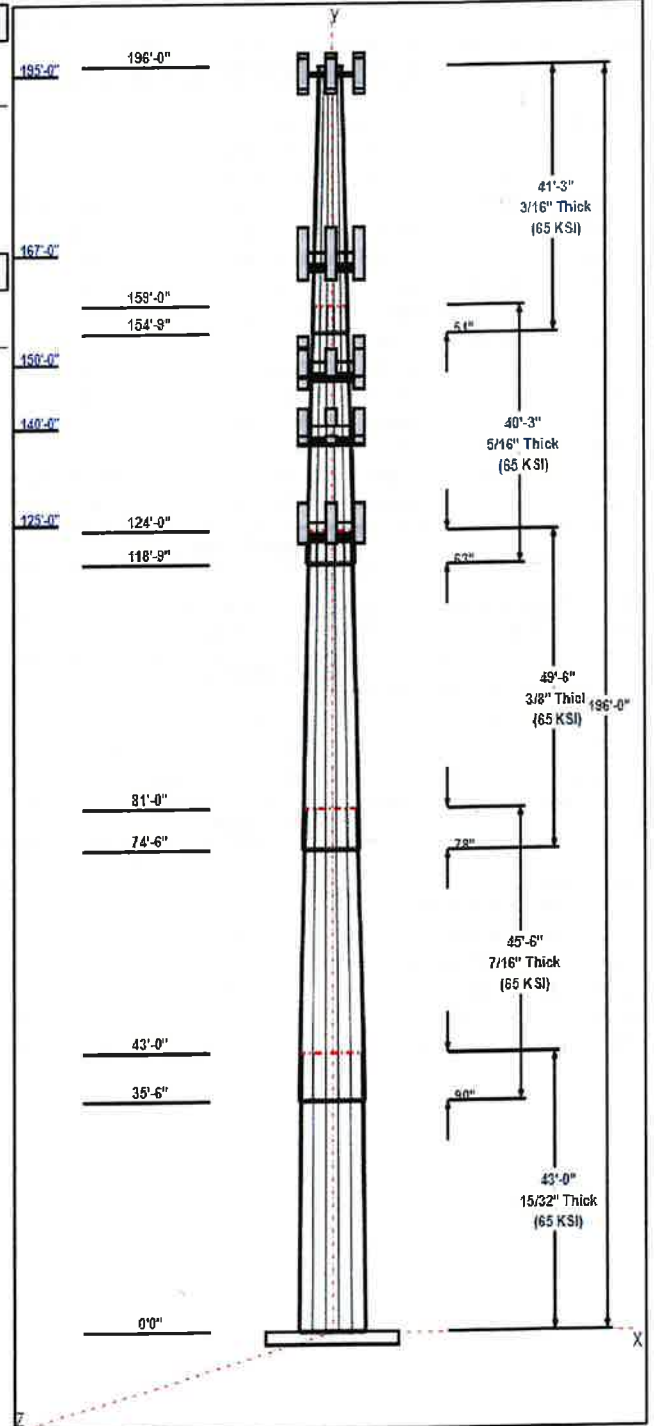
8/2/2023

Page: 2



Shaft Properties							
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	43.00	53.20	64.00	0.469		0.25120	65
2	45.50	44.53	55.96	0.438	Slip	0.25120	65
3	49.50	34.48	46.91	0.375	Slip	0.25120	65
4	40.25	26.31	36.42	0.313	Slip	0.25120	65
5	41.25	17.39	27.75	0.188	Slip	0.25120	65

Discrete Appurtenances				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
196.00	196.00	1	6' Lightning rod	
195.00	195.00	3	800MHz Filter	T-Mobile Sprint
195.00	195.00	4	ACU-A20-N	T-Mobile Sprint
195.00	195.00	3	APXVSP18-C-A20	T-Mobile Sprint
195.00	195.00	3	APXVTM14-C-120	T-Mobile Sprint
195.00	195.00	3	1900MHz RRH	T-Mobile Sprint
195.00	195.00	3	TD-RRH8x20-25	T-Mobile Sprint
195.00	195.00	3	800MHz RRH	T-Mobile Sprint
195.00	195.00	1	Low Profile Platform	T-Mobile Sprint
195.00	195.00	12	Mount Pipes	T-Mobile Sprint
167.00	167.00	1	Low Profile Platform	T-Mobile
167.00	167.00	12	Mount Pipes	T-Mobile
167.00	167.00	3	RFS	T-Mobile
167.00	167.00	3	Ericsson AIR6449 B41	T-Mobile
167.00	167.00	3	Ericsson 4449 B71 + B85	T-Mobile
167.00	167.00	3	Ericsson 4460 B25 + B66	T-Mobile
167.00	167.00	3	Commscope VV-65A-R1	T-Mobile
167.00	167.00	3	KRY 112 144/1	T-Mobile
150.00	150.00	1	Low Profile Platform	AT&T
150.00	150.00	1	Handrail Kit	AT&T
150.00	150.00	12	Mount Pipes	AT&T
150.00	150.00	2	800 10966	AT&T
150.00	150.00	1	80010964	AT&T
150.00	150.00	3	HPA65R-BU4A	AT&T
150.00	150.00	3	4449 B5/B12	AT&T
150.00	150.00	3	B2 B66A 8843	AT&T
150.00	150.00	3	7700.00	AT&T
150.00	150.00	6	LGP21401	AT&T
150.00	150.00	6	LGP13519	AT&T
150.00	150.00	2	DC6-48-60-18-8F	AT&T
140.00	140.00	6	MX06FRO660-03	Verizon
140.00	141.50	3	MT6407-77A	Verizon
140.00	138.00	3	XXDWMM-12.5-65-8TCBR	Verizon
140.00	140.00	3	RF4439d 25A	Verizon
140.00	140.00	3	RF4440d 13a	Verizon
140.00	140.00	1	RVZDC-6627-PF-48	Verizon
140.00	140.00	2	KA-6030	Verizon
140.00	140.00	1	Platform w/Handrail	Verizon
140.00	140.00	12	Mount Pipes	Verizon
125.00	125.00	3	JMA Wireless	Dish Wireless
125.00	125.00	3	Fujitsu TA08025-B605	Dish Wireless
125.00	125.00	3	Fujitsu TA08025-B604	Dish Wireless
125.00	125.00	1	Raycap	Dish Wireless
125.00	125.00	1	Commscope MC-PK8-DSH	Dish Wireless



**Structure: CT00595-S**

**Type:** Tapered      **Base Shape:** 12 Sided      8/2/2023  
**Site Name:** Stonington East      **Taper:** 0.25120  
**Height:** 196.00 (ft)  
**Base Elev:** 0.00 (ft)      Page: 3



30.00    30.00    1    GPS      T-Mobile Sprint

**Linear Appurtenances**

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	196.00	Outside	Safety Cable	
0.00	196.00	Outside	Step bolts (ladder)	
0.00	195.00	Inside	1 1/4" Coax	T-Mobile Sprint
0.00	167.00	Inside	1 5/8" Coax	T-Mobile
0.00	167.00	Inside	1 5/8" Fiber	T-Mobile
0.00	167.00	Inside	1.9" Fiber	T-Mobile
0.00	150.00	Inside	1 5/8" Coax	AT&T
0.00	150.00	Inside	1/2" Fiber	AT&T
0.00	150.00	Inside	2" Conduit	AT&T
0.00	150.00	Inside	3/4" DC	AT&T
0.00	140.00	Outside	1 5/8" Coax	Verizon
0.00	140.00	Outside	1 5/8" Hybrid	Verizon
100.00	125.00	Outside	1.6" Hybrid	Dish Wireless
0.00	100.00	Inside	1.6" Hybrid	Dish Wireless

**Anchor Bolts**

Qty	Specifications	Grade (ksi)	Arrangement
24	2.25" 18J	75.0	Radial

**Base Plate**

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.5000	78.8	60.0	Polygon

**Reactions**

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 128 mph Wind	7402.3	59.2	71.8
0.9D + 1.0W 128 mph Wind	7307.7	59.2	53.8
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1471.9	11.9	74.1
1.2D + 1.0Ev + 1.0Eh	130.0	0.8	74.3
0.9D + 1.0Ev + 1.0Eh	128.4	0.8	56.2
1.0D + 1.0W 60 mph Wind	1447.0	11.6	59.9

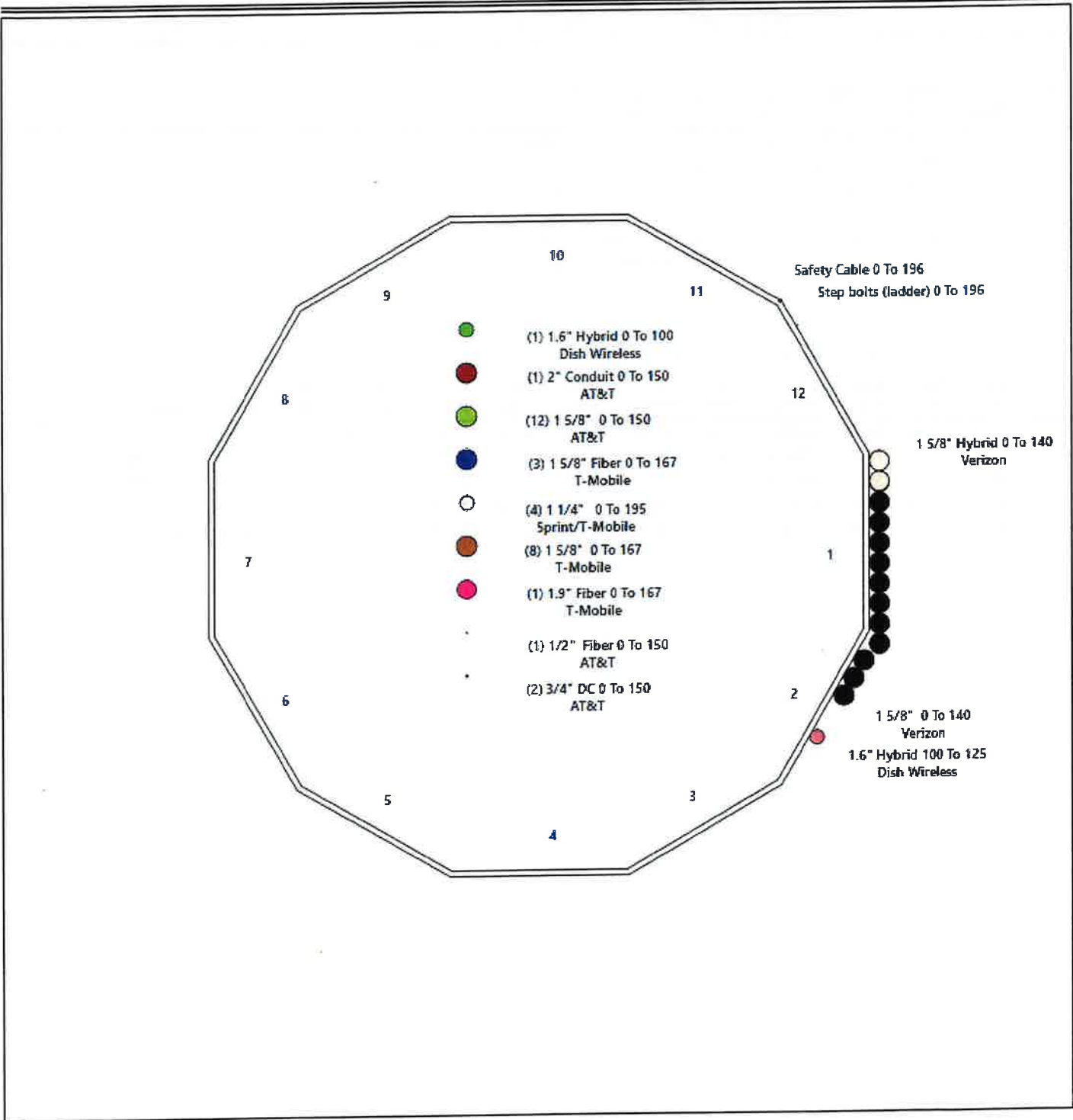
**Structure: CT00595-S - Coax Line Placement**

**Type:** Monopole  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)

8/2/2023



Page: 4



## Shaft Properties

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		<b>Page:</b> 5



Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	12	43.000	0.4688	65		0.00	12,838
2	12	45.500	0.4375	65	Slip	90.00	10,863
3	12	49.500	0.3750	65	Slip	78.00	8,200
4	12	40.250	0.3125	65	Slip	63.00	4,280
5	12	41.250	0.1875	65	Slip	51.00	1,897
<b>Total Shaft Weight:</b>							<b>38,078</b>

Bottom

Top

Sec. No.	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper
1	64.00	0.00	95.89	49402.09	34.44	136.53	53.20	43.00	79.59	28245.4	28.27	113.4	0.251199
2	55.96	35.50	78.21	30772.78	32.13	127.90	44.53	81.00	62.11	15411.7	25.13	101.7	0.251199
3	46.91	74.50	56.19	15532.14	31.38	125.10	34.48	124.00	41.18	6112.05	22.49	91.94	0.251199
4	36.42	118.7	36.33	6046.28	29.08	116.54	26.31	159.00	26.16	2256.60	20.42	84.19	0.251199
5	27.75	154.7	16.64	1613.96	37.52	148.01	17.39	196.00	10.39	392.30	22.71	92.75	0.251199

## Load Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



### 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	196.00	6' Lightning rod	1	6.50	0.38	1.00	31.36	1.125	1.00	0.00	0.00
2	195.00	800MHz Filter	3	8.80	0.78	0.50	20.87	1.223	0.50	0.00	0.00
3	195.00	ACU-A20-N	4	1.00	0.14	0.50	3.94	0.343	0.50	0.00	0.00
4	195.00	APXVSP18-C-A20	3	57.00	8.02	0.83	175.30	9.932	0.83	0.00	0.00
5	195.00	APXVTM14-C-120	3	56.00	6.34	0.79	158.87	7.086	0.79	0.00	0.00
6	195.00	1900MHz RRH	3	44.00	3.80	0.50	118.71	4.751	0.50	0.00	0.00
7	195.00	TD-RRH8x20-25	3	70.00	4.05	0.50	140.71	4.592	0.50	0.00	0.00
8	195.00	800MHz RRH	3	59.50	2.64	0.50	112.89	3.432	0.50	0.00	0.00
9	195.00	Low Profile Platform	1	1122.00	28.50	1.00	1926.07	42.116	1.00	0.00	0.00
10	195.00	Mount Pipes	12	38.32	1.55	1.00	65.78	2.291	1.00	0.00	0.00
11	167.00	Low Profile Platform w/Handrail	1	1343.30	31.07	1.00	2291.16	45.686	1.00	0.00	0.00
12	167.00	Mount Pipes	12	38.32	1.43	1.00	65.36	2.103	1.00	0.00	0.00
13	167.00	RFS APXVAALL24-43-U-NA20	3	122.80	20.24	0.73	399.36	21.505	0.73	0.00	0.00
14	167.00	Ericsson AIR6449 B41	3	103.00	5.65	0.71	195.40	6.290	0.71	0.00	0.00
15	167.00	Ericsson 4449 B71 + B85	3	73.20	1.97	0.50	112.11	2.354	0.50	0.00	0.00
16	167.00	Ericsson 4460 B25 + B66	3	104.00	2.14	0.50	192.06	2.845	0.50	0.00	0.00
17	167.00	Commscope VV-65A-R1	3	23.81	5.92	0.73	191.82	7.173	0.77	0.00	0.00
18	167.00	KRY 112 144/1	3	11.00	0.41	0.50	18.27	0.730	0.50	0.00	0.00
19	150.00	Low Profile Platform	1	1335.00	24.56	1.00	2266.94	35.990	1.00	0.00	0.00
20	150.00	Handrail Kit	1	245.00	4.56	1.00	416.03	6.682	1.00	0.00	0.00
21	150.00	Mount Pipes	12	38.32	1.46	1.00	65.07	2.139	1.00	0.00	0.00
22	150.00	800 10966	2	125.70	17.36	0.72	352.82	18.548	0.72	0.00	0.00
23	150.00	80010964	1	94.80	10.00	0.71	240.37	10.850	0.71	0.00	0.00
24	150.00	HPA65R-BU4A	3	28.70	4.96	0.85	117.48	5.594	0.85	0.00	0.00
25	150.00	4449 B5/B12	3	71.00	1.97	0.50	106.59	2.335	0.50	0.00	0.00
26	150.00	B2 B66A 8843	3	70.00	1.64	0.50	100.66	1.984	0.50	0.00	0.00
27	150.00	7700.00	3	16.00	1.73	0.79	48.59	2.111	0.79	0.00	0.00
28	150.00	LGP21401	6	14.10	1.29	0.50	30.77	1.847	0.50	0.00	0.00
29	150.00	LGP13519	6	5.30	0.34	0.50	11.63	0.643	0.50	0.00	0.00
30	150.00	DC6-48-60-18-8F	2	31.80	1.47	0.50	73.02	1.937	0.50	0.00	0.00
31	140.00	MX06FRO660-03	6	60.00	9.87	0.87	225.67	10.755	0.88	0.00	0.00
32	140.00	MT6407-77A	3	79.40	4.67	0.70	153.16	5.266	0.71	0.00	1.50
33	140.00	XXDWMM-12.5-65-8TCBRS	3	23.14	0.89	0.82	39.48	1.148	0.84	0.00	-2.00
34	140.00	RF4439d 25A	3	74.70	4.59	0.50	157.04	5.195	0.50	0.00	0.00
35	140.00	RF4440d 13a	3	70.33	4.14	0.50	142.53	4.705	0.50	0.00	0.00
36	140.00	RVZDC-6627-PF-48	1	32.00	4.06	0.50	107.52	4.600	0.50	0.00	0.00
37	140.00	KA-6030	2	17.60	0.96	0.50	33.06	1.223	0.50	0.00	0.00
38	140.00	Platform w/Handrail	1	1500.00	25.00	1.00	2539.93	36.555	1.00	0.00	0.00
39	140.00	Mount Pipes	12	38.32	1.40	1.00	64.89	2.047	1.00	0.00	0.00
40	125.00	JMA Wireless MX08FRO665-21	3	64.50	12.49	0.74	254.91	13.449	0.74	0.00	0.00
41	125.00	Fujitsu TA08025-B605	3	75.00	1.96	0.50	109.24	2.327	0.50	0.00	0.00
42	125.00	Fujitsu TA08025-B604	3	63.90	1.96	0.50	97.04	2.327	0.50	0.00	0.00
43	125.00	Raycap RDIDC-9181-PF-48	1	21.90	2.01	0.50	56.76	2.382	0.50	0.00	0.00
44	125.00	Commscope MC-PK8-DSH	1	1736.00	34.23	1.00	2925.98	49.873	1.00	0.00	0.00
45	30.00	GPS	1	10.00	1.00	1.00	26.64	1.404	1.00	0.00	0.00
<b>Totals:</b>			<b>156</b>	<b>14,225.80</b>			<b>27,993.20</b>				

**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		

**Linear Appurtenances**

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	196.00	(1) Safety Cable	0.00	Outside
0.00	196.00	(1) Step bolts (ladder)	0.00	Outside
0.00	195.00	(4) 1 1/4" Coax	0.00	Inside
0.00	167.00	(8) 1 5/8" Coax	0.00	Inside
0.00	167.00	(3) 1 5/8" Fiber	0.00	Inside
0.00	167.00	(1) 1.9" Fiber	0.00	Inside
0.00	150.00	(12) 1 5/8" Coax	0.00	Inside
0.00	150.00	(1) 1/2" Fiber	0.00	Inside
0.00	150.00	(1) 2" Conduit	0.00	Inside
0.00	150.00	(2) 3/4" DC	0.00	Inside
0.00	140.00	(12) 1 5/8" Coax	0.00	Outside
0.00	140.00	(2) 1 5/8" Hybrid	2.00	Outside
100.0	125.00	(1) 1.6" Hybrid	1.60	Outside
0.00	100.00	(1) 1.6" Hybrid	0.00	Inside

## Shaft Section Properties

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)  
**Gh:** 1.1

**Topography:** 1

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

8/2/2023

Page: 8



**Increment Length:** 2 (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		0.4688	64.000	95.892	49402.1	34.44	136.53	67.2	1491.	0.0
2.00		0.4688	63.498	95.134	48239.3	34.15	135.46	67.5	1467.	650.0
4.00		0.4688	62.995	94.376	47095.0	33.87	134.39	67.8	1444.	644.9
6.00		0.4688	62.493	93.618	45968.8	33.58	133.32	68.1	1421.	639.7
8.00		0.4688	61.990	92.859	44860.8	33.29	132.25	68.4	1398.	634.5
10.00		0.4688	61.488	92.101	43770.7	33.00	131.17	68.7	1375.	629.4
12.00		0.4688	60.986	91.343	42698.5	32.72	130.10	69.0	1352.	624.2
14.00		0.4688	60.483	90.584	41643.9	32.43	129.03	69.3	1330.	619.1
16.00		0.4688	59.981	89.826	40606.7	32.14	127.96	69.7	1307.	613.9
18.00		0.4688	59.478	89.068	39587.0	31.86	126.89	70.0	1285.	608.7
20.00		0.4688	58.976	88.309	38584.5	31.57	125.82	70.3	1263.	603.6
22.00		0.4688	58.474	87.551	37599.0	31.28	124.74	70.6	1242.	598.4
24.00		0.4688	57.971	86.793	36630.5	30.99	123.67	70.9	1220.	593.3
26.00		0.4688	57.469	86.034	35678.7	30.71	122.60	71.2	1199.	588.1
28.00		0.4688	56.966	85.276	34743.6	30.42	121.53	71.5	1178.	582.9
30.00		0.4688	56.464	84.518	33825.0	30.13	120.46	71.9	1157.	577.8
32.00		0.4688	55.962	83.760	32922.7	29.85	119.38	72.2	1136.	572.6
34.00		0.4688	55.459	83.001	32036.6	29.56	118.31	72.5	1116.	567.5
35.50	Bot - Section 2	0.4688	55.082	82.433	31382.5	29.34	117.51	72.7	1100.	422.2
36.00		0.4688	54.957	82.243	31166.5	29.27	117.24	72.8	1095.	273.0
38.00		0.4688	54.454	81.485	30312.3	28.98	116.17	73.1	1075.	1085.8
40.00		0.4688	53.952	80.726	29473.9	28.70	115.10	73.4	1055.	1075.8
42.00		0.4688	53.450	79.968	28651.1	28.41	114.03	73.7	1035.	1065.8
43.00	Top - Section 1	0.4375	54.073	75.560	27745.2	30.97	123.60	0.0	0.0	529.2
44.00		0.4375	53.822	75.206	27357.2	30.82	123.02	71.1	981.9	256.5
46.00		0.4375	53.320	74.498	26592.1	30.51	121.87	71.4	963.5	509.4
48.00		0.4375	52.817	73.790	25841.3	30.20	120.73	71.8	945.2	504.6
50.00		0.4375	52.315	73.082	25104.9	29.90	119.58	72.1	927.1	499.8
52.00		0.4375	51.813	72.375	24382.6	29.59	118.43	72.4	909.1	495.0
54.00		0.4375	51.310	71.667	23674.2	29.28	117.28	72.8	891.3	490.1
56.00		0.4375	50.808	70.959	22979.7	28.97	116.13	73.1	873.8	485.3
58.00		0.4375	50.305	70.251	22299.0	28.67	114.98	73.4	856.3	480.5
60.00		0.4375	49.803	69.544	21631.8	28.36	113.84	73.8	839.1	475.7
62.00		0.4375	49.301	68.836	20978.0	28.05	112.69	74.1	822.0	470.9
64.00		0.4375	48.798	68.128	20337.6	27.74	111.54	74.5	805.1	466.1
66.00		0.4375	48.296	67.420	19710.3	27.44	110.39	74.8	788.4	461.2
68.00		0.4375	47.793	66.713	19096.1	27.13	109.24	75.1	771.9	456.4
70.00		0.4375	47.291	66.005	18494.7	26.82	108.09	75.5	755.5	451.6
72.00		0.4375	46.789	65.297	17906.1	26.51	106.95	75.8	739.3	446.8
74.00		0.4375	46.286	64.589	17330.2	26.20	105.80	76.1	723.3	442.0
74.50	Bot - Section 3	0.4375	46.161	64.413	17188.1	26.13	105.51	76.2	719.3	109.7
76.00		0.4375	45.784	63.882	16766.7	25.90	104.65	76.5	707.5	613.1
78.00		0.4375	45.281	63.174	16215.6	25.59	103.50	76.8	691.8	809.6
80.00		0.4375	44.779	62.466	15676.7	25.28	102.35	77.1	676.3	800.7
81.00	Top - Section 2	0.3750	45.278	54.220	13953.9	30.21	120.74	0.0	0.0	397.0
82.00		0.3750	45.027	53.917	13721.0	30.03	120.07	72.0	588.7	184.0
84.00		0.3750	44.524	53.310	13263.1	29.67	118.73	72.4	575.5	364.9
86.00		0.3750	44.022	52.704	12815.4	29.31	117.39	72.7	562.4	360.7
88.00		0.3750	43.519	52.097	12378.0	28.95	116.05	73.1	549.5	356.6
90.00		0.3750	43.017	51.490	11950.6	28.59	114.71	73.5	536.7	352.5

Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in <sup>2</sup> )	Ix (in <sup>4</sup> )	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in <sup>3</sup> )	Weight (lb)
92.00		0.3750	42.515	50.884	11533.1	28.23	113.37	73.9	524.1	348.4
94.00		0.3750	42.012	50.277	11125.5	27.88	112.03	74.3	511.6	344.2
96.00		0.3750	41.510	49.670	10727.6	27.52	110.69	74.7	499.3	340.1
98.00		0.3750	41.007	49.064	10339.4	27.16	109.35	75.1	487.1	336.0
100.00		0.3750	40.505	48.457	9960.6	26.80	108.01	75.5	475.1	331.8
102.00		0.3750	40.003	47.850	9591.1	26.44	106.67	75.9	463.2	327.7
104.00		0.3750	39.500	47.244	9230.9	26.08	105.33	76.3	451.5	323.6
106.00		0.3750	38.998	46.637	8879.9	25.72	103.99	76.7	439.9	319.5
108.00		0.3750	38.496	46.031	8537.9	25.36	102.65	77.1	428.5	315.3
110.00		0.3750	37.993	45.424	8204.7	25.00	101.31	77.4	417.2	311.2
112.00		0.3750	37.491	44.817	7880.4	24.64	99.98	77.8	406.1	307.1
114.00		0.3750	36.988	44.211	7564.7	24.29	98.64	78.2	395.1	302.9
116.00		0.3750	36.486	43.604	7257.5	23.93	97.30	78.6	384.3	298.8
118.00		0.3750	35.984	42.997	6958.8	23.57	95.96	79.0	373.6	294.7
118.75	Bot - Section 4	0.3750	35.795	42.770	6848.9	23.43	95.45	79.2	369.6	109.4
120.00		0.3750	35.481	42.391	6668.4	23.21	94.62	79.4	363.1	335.0
122.00		0.3750	34.979	41.784	6386.2	22.85	93.28	79.8	352.7	529.8
124.00	Top - Section 3	0.3125	35.101	35.006	5407.7	27.95	112.32	0.0	0.0	522.3
125.00		0.3125	34.850	34.753	5291.4	27.74	111.52	74.5	293.3	118.7
126.00		0.3125	34.599	34.501	5176.8	27.52	110.72	74.7	289.0	117.8
128.00		0.3125	34.097	33.995	4952.5	27.09	109.11	75.2	280.6	233.1
130.00		0.3125	33.594	33.490	4734.8	26.66	107.50	75.6	272.3	229.6
132.00		0.3125	33.092	32.984	4523.6	26.23	105.89	76.1	264.1	226.2
134.00		0.3125	32.589	32.479	4318.8	25.80	104.29	76.6	256.0	222.8
136.00		0.3125	32.087	31.973	4120.3	25.37	102.68	77.0	248.1	219.3
138.00		0.3125	31.585	31.467	3927.9	24.94	101.07	77.5	240.2	215.9
140.00		0.3125	31.082	30.962	3741.6	24.51	99.46	78.0	232.6	212.4
142.00		0.3125	30.580	30.456	3561.3	24.08	97.86	78.5	225.0	209.0
144.00		0.3125	30.077	29.951	3386.9	23.65	96.25	78.9	217.5	205.6
146.00		0.3125	29.575	29.445	3218.3	23.22	94.64	79.4	210.2	202.1
148.00		0.3125	29.073	28.940	3055.3	22.78	93.03	79.9	203.0	198.7
150.00		0.3125	28.570	28.434	2898.0	22.35	91.42	80.3	196.0	195.2
152.00		0.3125	28.068	27.929	2746.2	21.92	89.82	80.8	189.0	191.8
154.00		0.3125	27.565	27.423	2599.7	21.49	88.21	81.3	182.2	188.4
154.75	Bot - Section 5	0.3125	27.377	27.234	2546.2	21.33	87.61	81.5	179.7	69.7
156.00		0.3125	27.063	26.918	2458.6	21.06	86.60	81.7	175.5	185.5
158.00		0.3125	26.561	26.412	2322.6	20.63	84.99	81.9	168.9	292.4
159.00	Top - Section 4	0.1875	26.684	15.997	1433.6	35.99	142.32	0.0	0.0	144.1
160.00		0.1875	26.433	15.846	1393.2	35.63	140.98	65.9	101.8	54.2
162.00		0.1875	25.931	15.542	1314.7	34.91	138.30	66.6	97.9	106.8
164.00		0.1875	25.428	15.239	1239.2	34.20	135.62	67.4	94.1	104.7
166.00		0.1875	24.926	14.936	1166.7	33.48	132.94	68.2	90.4	102.7
167.00		0.1875	24.675	14.784	1131.5	33.12	131.60	68.6	88.6	50.6
168.00		0.1875	24.424	14.633	1097.1	32.76	130.26	69.0	86.8	50.0
170.00		0.1875	23.921	14.329	1030.2	32.04	127.58	69.8	83.2	98.6
172.00		0.1875	23.419	14.026	966.2	31.32	124.90	70.6	79.7	96.5
174.00		0.1875	22.916	13.723	904.9	30.61	122.22	71.3	76.3	94.4
176.00		0.1875	22.414	13.419	846.2	29.89	119.54	72.1	72.9	92.4
178.00		0.1875	21.912	13.116	790.1	29.17	116.86	72.9	69.7	90.3
180.00		0.1875	21.409	12.813	736.5	28.45	114.18	73.7	66.5	88.2
182.00		0.1875	20.907	12.509	685.4	27.73	111.50	74.5	63.3	86.2
184.00		0.1875	20.404	12.206	636.8	27.02	108.82	75.3	60.3	84.1
186.00		0.1875	19.902	11.903	590.5	26.30	106.14	76.0	57.3	82.0
188.00		0.1875	19.400	11.599	546.5	25.58	103.46	76.8	54.4	80.0
190.00		0.1875	18.897	11.296	504.7	24.86	100.79	77.6	51.6	77.9
192.00		0.1875	18.395	10.993	465.1	24.14	98.11	78.4	48.8	75.8
194.00		0.1875	17.892	10.689	427.7	23.43	95.43	79.2	46.2	73.8
195.00		0.1875	17.641	10.538	409.7	23.07	94.09	79.6	44.9	36.1
196.00		0.1875	17.390	10.386	392.3	22.71	92.75	79.9	43.6	35.6



Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in <sup>2</sup> )	Ix (in <sup>4</sup> )	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in <sup>3</sup> )	Weight (lb)
										38078.0

## Wind Loading - Shaft

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)  
**Gh:** 1.1

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

8/2/2023  
 Page: 11



**Load Case:** 1.2D + 1.0W 128 mph Wind

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



**Iterations** 32

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	33.807	37.19	650.99	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	33.807	37.19	645.88	0.950	0.000	2.00	11.000	10.45	388.6	0.0	780.0
4.00		1.00	0.85	33.807	37.19	640.77	0.950	0.000	2.00	10.913	10.37	385.5	0.0	773.8
6.00		1.00	0.85	33.807	37.19	635.66	0.950	0.000	2.00	10.826	10.28	382.5	0.0	767.6
8.00		1.00	0.85	33.807	37.19	630.55	0.950	0.000	2.00	10.740	10.20	379.4	0.0	761.4
10.00		1.00	0.85	33.807	37.19	625.44	0.950	0.000	2.00	10.653	10.12	376.3	0.0	755.3
12.00		1.00	0.85	33.807	37.19	620.33	0.950	0.000	2.00	10.566	10.04	373.3	0.0	749.1
14.00		1.00	0.85	33.807	37.19	615.22	0.950	0.000	2.00	10.479	9.96	370.2	0.0	742.9
16.00		1.00	0.86	34.224	37.65	613.86	0.950	0.000	2.00	10.393	9.87	371.7	0.0	736.7
18.00		1.00	0.88	35.083	38.59	616.32	0.950	0.000	2.00	10.306	9.79	377.8	0.0	730.5
20.00		1.00	0.90	35.870	39.46	617.92	0.950	0.000	2.00	10.219	9.71	383.1	0.0	724.3
22.00		1.00	0.92	36.597	40.26	618.84	0.950	0.000	2.00	10.133	9.63	387.5	0.0	718.1
24.00		1.00	0.94	37.274	41.00	619.17	0.950	0.000	2.00	10.046	9.54	391.3	0.0	711.9
26.00		1.00	0.95	37.907	41.70	618.99	0.950	0.000	2.00	9.959	9.46	394.5	0.0	705.7
28.00		1.00	0.97	38.503	42.35	618.39	0.950	0.000	2.00	9.873	9.38	397.2	0.0	699.5
30.00	Appurtenance(s)	1.00	0.98	39.067	42.97	617.40	0.950	0.000	2.00	9.786	9.30	399.5	0.0	693.3
32.00		1.00	1.00	39.601	43.56	616.08	0.950	0.000	2.00	9.699	9.21	401.4	0.0	687.1
34.00		1.00	1.01	40.110	44.12	614.46	0.950	0.000	2.00	9.613	9.13	402.9	0.0	680.9
35.50	Bot - Section 2	1.00	1.02	40.476	44.52	613.06	0.950	0.000	1.50	7.153	6.79	302.5	0.0	506.6
36.00		1.00	1.02	40.595	44.65	612.57	0.950	0.000	0.50	2.411	2.29	102.3	0.0	327.6
38.00		1.00	1.03	41.060	45.17	610.43	0.950	0.000	2.00	9.590	9.11	411.5	0.0	1303.0
40.00		1.00	1.04	41.506	45.66	608.07	0.950	0.000	2.00	9.504	9.03	412.2	0.0	1291.0
42.00		1.00	1.05	41.934	46.13	605.51	0.950	0.000	2.00	9.417	8.95	412.7	0.0	1279.0
43.00	Top - Section 1	1.00	1.06	42.143	46.36	604.16	0.950	0.000	1.00	4.676	4.44	205.9	0.0	635.0
44.00		1.00	1.06	42.347	46.58	612.73	0.950	0.000	1.00	4.654	4.42	206.0	0.0	307.8
46.00		1.00	1.07	42.745	47.02	609.85	0.950	0.000	2.00	9.243	8.78	412.9	0.0	611.3
48.00		1.00	1.08	43.130	47.44	606.82	0.950	0.000	2.00	9.157	8.70	412.7	0.0	605.5
50.00		1.00	1.09	43.502	47.85	603.64	0.950	0.000	2.00	9.070	8.62	412.3	0.0	599.7
52.00		1.00	1.10	43.863	48.25	600.31	0.950	0.000	2.00	8.983	8.53	411.8	0.0	594.0
54.00		1.00	1.11	44.213	48.63	596.86	0.950	0.000	2.00	8.897	8.45	411.0	0.0	588.2
56.00		1.00	1.12	44.553	49.01	593.28	0.950	0.000	2.00	8.810	8.37	410.2	0.0	582.4
58.00		1.00	1.13	44.883	49.37	589.59	0.950	0.000	2.00	8.723	8.29	409.1	0.0	576.6
60.00		1.00	1.14	45.204	49.72	585.79	0.950	0.000	2.00	8.637	8.20	408.0	0.0	570.8
62.00		1.00	1.14	45.518	50.07	581.88	0.950	0.000	2.00	8.550	8.12	406.7	0.0	565.1
64.00		1.00	1.15	45.823	50.41	577.88	0.950	0.000	2.00	8.463	8.04	405.3	0.0	559.3
66.00		1.00	1.16	46.121	50.73	573.79	0.950	0.000	2.00	8.377	7.96	403.7	0.0	553.5
68.00		1.00	1.17	46.411	51.05	569.61	0.950	0.000	2.00	8.290	7.88	402.1	0.0	547.7
70.00		1.00	1.17	46.695	51.36	565.34	0.950	0.000	2.00	8.203	7.79	400.3	0.0	541.9
72.00		1.00	1.18	46.973	51.67	561.00	0.950	0.000	2.00	8.117	7.71	398.4	0.0	536.2
74.00		1.00	1.19	47.245	51.97	556.57	0.950	0.000	2.00	8.030	7.63	396.4	0.0	530.4
74.50	Bot - Section 3	1.00	1.19	47.312	52.04	555.46	0.950	0.000	0.50	1.994	1.89	98.6	0.0	131.7
76.00		1.00	1.19	47.511	52.26	552.08	0.950	0.000	1.50	6.046	5.74	300.2	0.0	735.7
78.00		1.00	1.20	47.771	52.55	547.52	0.950	0.000	2.00	7.986	7.59	398.7	0.0	971.5
80.00		1.00	1.21	48.027	52.83	542.89	0.950	0.000	2.00	7.899	7.50	396.4	0.0	960.8
81.00	Top - Section 2	1.00	1.21	48.153	52.97	540.55	0.950	0.000	1.00	3.917	3.72	197.1	0.0	476.4
82.00		1.00	1.21	48.277	53.10	547.31	0.950	0.000	1.00	3.895	3.70	196.5	0.0	220.8
84.00		1.00	1.22	48.523	53.37	542.58	0.950	0.000	2.00	7.726	7.34	391.7	0.0	437.8

## Wind Loading - Shaft

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)  
**Gh:** 1.1

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

8/2/2023



Page: 12

86.00	1.00	1.23	48.764	53.64	537.79	0.950	0.000	2.00	7.639	7.26	389.3	0.0	432.9
88.00	1.00	1.23	49.000	53.90	532.94	0.950	0.000	2.00	7.552	7.17	386.7	0.0	427.9
90.00	1.00	1.24	49.233	54.16	528.03	0.950	0.000	2.00	7.466	7.09	384.1	0.0	423.0
92.00	1.00	1.24	49.461	54.41	523.07	0.950	0.000	2.00	7.379	7.01	381.4	0.0	418.0
94.00	1.00	1.25	49.685	54.65	518.06	0.950	0.000	2.00	7.292	6.93	378.6	0.0	413.1
96.00	1.00	1.25	49.906	54.90	513.00	0.950	0.000	2.00	7.206	6.85	375.8	0.0	408.1
98.00	1.00	1.26	50.123	55.14	507.90	0.950	0.000	2.00	7.119	6.76	372.9	0.0	403.2
100.00	1.00	1.27	50.337	55.37	502.74	0.950	0.000	2.00	7.032	6.68	369.9	0.0	398.2
102.00	1.00	1.27	50.547	55.60	497.54	0.950	0.000	2.00	6.946	6.60	366.9	0.0	393.3
104.00	1.00	1.28	50.754	55.83	492.30	0.950	0.000	2.00	6.859	6.52	363.8	0.0	388.3
106.00	1.00	1.28	50.958	56.05	487.01	0.950	0.000	2.00	6.772	6.43	360.6	0.0	383.3
108.00	1.00	1.29	51.159	56.27	481.69	0.950	0.000	2.00	6.686	6.35	357.4	0.0	378.4
110.00	1.00	1.29	51.357	56.49	476.32	0.950	0.000	2.00	6.599	6.27	354.2	0.0	373.4
112.00	1.00	1.30	51.552	56.71	470.91	0.950	0.000	2.00	6.512	6.19	350.8	0.0	368.5
114.00	1.00	1.30	51.745	56.92	465.47	0.950	0.000	2.00	6.426	6.10	347.4	0.0	363.5
116.00	1.00	1.31	51.934	57.13	459.99	0.950	0.000	2.00	6.339	6.02	344.0	0.0	358.6
118.00	1.00	1.31	52.122	57.33	454.47	0.950	0.000	2.00	6.252	5.94	340.5	0.0	353.6
118.75 Bot - Section 4	1.00	1.31	52.191	57.41	452.39	0.950	0.000	0.75	2.322	2.21	126.7	0.0	131.3
120.00	1.00	1.32	52.306	57.54	448.92	0.950	0.000	1.25	3.911	3.72	213.8	0.0	402.0
122.00	1.00	1.32	52.489	57.74	443.33	0.950	0.000	2.00	6.187	5.88	339.3	0.0	635.8
124.00 Top - Section 3	1.00	1.32	52.669	57.94	437.71	0.950	0.000	2.00	6.100	5.79	335.7	0.0	626.7
125.00 Appurtenance(s)	1.00	1.33	52.758	58.03	442.83	0.950	0.000	1.00	3.017	2.87	166.4	0.0	142.4
126.00	1.00	1.33	52.846	58.13	440.01	0.950	0.000	1.00	2.996	2.85	165.4	0.0	141.4
128.00	1.00	1.33	53.022	58.32	434.34	0.950	0.000	2.00	5.927	5.63	328.4	0.0	279.7
130.00	1.00	1.34	53.195	58.51	428.64	0.950	0.000	2.00	5.840	5.55	324.6	0.0	275.6
132.00	1.00	1.34	53.367	58.70	422.91	0.950	0.000	2.00	5.753	5.47	320.8	0.0	271.4
134.00	1.00	1.35	53.536	58.89	417.15	0.950	0.000	2.00	5.667	5.38	317.0	0.0	267.3
136.00	1.00	1.35	53.703	59.07	411.36	0.950	0.000	2.00	5.580	5.30	313.1	0.0	263.2
138.00	1.00	1.35	53.868	59.26	405.54	0.950	0.000	2.00	5.493	5.22	309.2	0.0	259.0
140.00 Appurtenance(s)	1.00	1.36	54.032	59.43	399.70	0.950	0.000	2.00	5.406	5.14	305.3	0.0	254.9
142.00	1.00	1.36	54.193	59.61	393.82	0.950	0.000	2.00	5.320	5.05	301.3	0.0	250.8
144.00	1.00	1.37	54.353	59.79	387.92	0.950	0.000	2.00	5.233	4.97	297.2	0.0	246.7
146.00	1.00	1.37	54.511	59.96	382.00	0.950	0.000	2.00	5.146	4.89	293.2	0.0	242.5
148.00	1.00	1.37	54.668	60.13	376.05	0.950	0.000	2.00	5.060	4.81	289.0	0.0	238.4
150.00 Appurtenance(s)	1.00	1.38	54.822	60.30	370.07	0.950	0.000	2.00	4.973	4.72	284.9	0.0	234.3
152.00	1.00	1.38	54.975	60.47	364.07	0.950	0.000	2.00	4.886	4.64	280.7	0.0	230.1
154.00	1.00	1.39	55.127	60.64	358.05	0.950	0.000	2.00	4.800	4.56	276.5	0.0	226.0
154.75 Bot - Section 5	1.00	1.39	55.183	60.70	355.78	0.950	0.000	0.75	1.778	1.69	102.5	0.0	83.7
156.00	1.00	1.39	55.277	60.80	352.00	0.950	0.000	1.25	2.976	2.83	171.9	0.0	222.7
158.00	1.00	1.39	55.425	60.97	345.93	0.950	0.000	2.00	4.691	4.46	271.7	0.0	350.9
159.00 Top - Section 4	1.00	1.40	55.499	61.05	342.88	0.950	0.000	1.00	2.313	2.20	134.1	0.0	173.0
160.00	1.00	1.40	55.572	61.13	344.72	0.950	0.000	1.00	2.291	2.18	133.1	0.0	65.0
162.00	1.00	1.40	55.718	61.29	338.61	0.950	0.000	2.00	4.518	4.29	263.0	0.0	128.2
164.00	1.00	1.40	55.862	61.45	332.48	0.950	0.000	2.00	4.431	4.21	258.7	0.0	125.7
166.00	1.00	1.41	56.005	61.61	326.33	0.950	0.000	2.00	4.344	4.13	254.2	0.0	123.2
167.00 Appurtenance(s)	1.00	1.41	56.076	61.68	323.25	0.950	0.000	1.00	2.140	2.03	125.4	0.0	60.7
168.00	1.00	1.41	56.146	61.76	320.16	0.950	0.000	1.00	2.118	2.01	124.3	0.0	60.1
170.00	1.00	1.42	56.286	61.91	313.96	0.950	0.000	2.00	4.171	3.96	245.3	0.0	118.3
172.00	1.00	1.42	56.425	62.07	307.75	0.950	0.000	2.00	4.084	3.88	240.8	0.0	115.8
174.00	1.00	1.42	56.562	62.22	301.51	0.950	0.000	2.00	3.997	3.80	236.3	0.0	113.3
176.00	1.00	1.43	56.699	62.37	295.26	0.950	0.000	2.00	3.911	3.72	231.7	0.0	110.8
178.00	1.00	1.43	56.834	62.52	288.98	0.950	0.000	2.00	3.824	3.63	227.1	0.0	108.4
180.00	1.00	1.43	56.967	62.66	282.69	0.950	0.000	2.00	3.737	3.55	222.5	0.0	105.9
182.00	1.00	1.44	57.100	62.81	276.38	0.950	0.000	2.00	3.651	3.47	217.8	0.0	103.4
184.00	1.00	1.44	57.232	62.95	270.04	0.950	0.000	2.00	3.564	3.39	213.2	0.0	100.9
186.00	1.00	1.44	57.362	63.10	263.70	0.950	0.000	2.00	3.477	3.30	208.4	0.0	98.4
188.00	1.00	1.45	57.491	63.24	257.33	0.950	0.000	2.00	3.391	3.22	203.7	0.0	96.0

## Wind Loading - Shaft

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 13



190.00	1.00	1.45	57.620	63.38	250.94	0.950	0.000	2.00	3.304	3.14	198.9	0.0	93.5
192.00	1.00	1.45	57.747	63.52	244.54	0.950	0.000	2.00	3.217	3.06	194.1	0.0	91.0
194.00	1.00	1.46	57.873	63.66	238.12	0.950	0.000	2.00	3.131	2.97	189.3	0.0	88.5
195.00 Appurtenance(s)	1.00	1.46	57.936	63.73	234.91	0.950	0.000	1.00	1.533	1.46	92.8	0.0	43.3
196.00 Appurtenance(s)	1.00	1.46	57.998	63.80	231.69	0.950	0.000	1.00	1.511	1.44	91.6	0.0	42.7
<b>Totals:</b>								<b>196.00</b>			<b>33,361.7</b>		<b>45,693.6</b>

## Discrete Appurtenance Forces

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)  
**Gh:** 1.1

**Topography:** 1

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

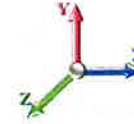
8/2/2023

Page: 14



**Load Case:** 1.2D + 1.0W 128 mph Wind

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



**Iterations** 32

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	196.00	6' Lightning rod	1	57.998	63.798	1.00	1.00	0.38	7.80	0.000	0.000	24.24	0.00	0.00
2	195.00	800MHz Filter	3	57.936	63.729	0.40	0.80	0.94	31.68	0.000	0.000	59.65	0.00	0.00
3	195.00	ACU-A20-N	4	57.936	63.729	0.40	0.80	0.22	4.80	0.000	0.000	14.28	0.00	0.00
4	195.00	APXVSP18-C-A20	3	57.936	63.729	0.71	0.85	16.97	205.20	0.000	0.000	1081.76	0.00	0.00
5	195.00	APXVTM14-C-120	3	57.936	63.729	0.67	0.85	12.77	201.60	0.000	0.000	813.94	0.00	0.00
6	195.00	1900MHz RRH	3	57.936	63.729	0.40	0.80	4.56	158.40	0.000	0.000	290.60	0.00	0.00
7	195.00	TD-RRH8x20-25	3	57.936	63.729	0.40	0.80	4.86	252.00	0.000	0.000	309.72	0.00	0.00
8	195.00	800MHz RRH	3	57.936	63.729	0.40	0.80	3.17	214.20	0.000	0.000	201.89	0.00	0.00
9	195.00	Low Profile Platform	1	57.936	63.729	1.00	1.00	28.50	1346.40	0.000	0.000	1816.28	0.00	0.00
10	195.00	Mount Pipes	12	57.936	63.729	0.90	0.90	16.74	551.81	0.000	0.000	1066.83	0.00	0.00
11	167.00	RFS	3	56.076	61.683	0.55	0.75	33.24	442.08	0.000	0.000	2050.60	0.00	0.00
12	167.00	Mount Pipes	12	56.076	61.683	0.75	0.75	12.87	551.81	0.000	0.000	793.86	0.00	0.00
13	167.00	Ericsson AIR6449 B41	3	56.076	61.683	0.53	0.75	9.03	370.80	0.000	0.000	556.74	0.00	0.00
14	167.00	Low Profile Platform	1	56.076	61.683	1.00	1.00	31.07	1611.96	0.000	0.000	1916.49	0.00	0.00
15	167.00	KRY 112 144/1	3	56.076	61.683	0.38	0.75	0.46	39.60	0.000	0.000	28.45	0.00	0.00
16	167.00	Ericsson 4449 B71 + B85	3	56.076	61.683	0.38	0.75	2.22	263.52	0.000	0.000	136.71	0.00	0.00
17	167.00	Ericsson 4460 B25 + B66	3	56.076	61.683	0.38	0.75	2.41	374.40	0.000	0.000	148.50	0.00	0.00
18	167.00	Commscope VV-65A-R1	3	56.076	61.683	0.55	0.75	9.75	85.72	0.000	0.000	601.42	0.00	0.00
19	150.00	DC6-48-60-18-8F	2	54.822	60.305	0.38	0.75	1.10	76.32	0.000	0.000	66.49	0.00	0.00
20	150.00	LGP13519	6	54.822	60.305	0.38	0.75	0.77	38.16	0.000	0.000	46.13	0.00	0.00
21	150.00	LGP21401	6	54.822	60.305	0.38	0.75	2.90	101.52	0.000	0.000	175.03	0.00	0.00
22	150.00	7700.00	3	54.822	60.305	0.59	0.75	3.08	57.60	0.000	0.000	185.44	0.00	0.00
23	150.00	B2 B66A 8843	3	54.822	60.305	0.38	0.75	1.84	252.00	0.000	0.000	111.26	0.00	0.00
24	150.00	Mount Pipes	12	54.822	60.305	0.75	0.75	13.14	551.81	0.000	0.000	792.40	0.00	0.00
25	150.00	Low Profile Platform	1	54.822	60.305	1.00	1.00	24.56	1602.00	0.000	0.000	1481.08	0.00	0.00
26	150.00	Handrail Kit	1	54.822	60.305	0.75	0.75	3.42	294.00	0.000	0.000	206.24	0.00	0.00
27	150.00	4449 B5/B12	3	54.822	60.305	0.38	0.75	2.22	255.60	0.000	0.000	133.65	0.00	0.00
28	150.00	800 10966	2	54.822	60.305	0.54	0.75	18.75	301.68	0.000	0.000	1130.64	0.00	0.00
29	150.00	80010964	1	54.822	60.305	0.53	0.75	5.32	113.76	0.000	0.000	321.12	0.00	0.00
30	150.00	HPA65R-BU4A	3	54.822	60.305	0.64	0.75	9.49	103.32	0.000	0.000	572.05	0.00	0.00
31	140.00	MX06FRO660-03	6	54.032	59.435	0.65	0.75	38.64	432.00	0.000	0.000	2296.63	0.00	0.00
32	140.00	MT6407-77A	3	54.153	59.568	0.52	0.75	7.36	285.84	0.000	1.500	438.14	0.00	657.21
33	140.00	XXDWMM-12.5-65-8TCBR	3	53.868	59.255	0.61	0.75	1.64	83.30	0.000	-2.000	97.30	0.00	-194.60
34	140.00	RF4439d 25A	3	54.032	59.435	0.38	0.75	5.16	268.92	0.000	0.000	306.91	0.00	0.00
35	140.00	RVZDC-6627-PF-48	1	54.032	59.435	0.38	0.75	1.52	38.40	0.000	0.000	90.49	0.00	0.00
36	140.00	RF4440d 13a	3	54.032	59.435	0.38	0.75	4.66	253.19	0.000	0.000	276.82	0.00	0.00
37	140.00	KA-6030	2	54.032	59.435	0.38	0.75	0.72	42.24	0.000	0.000	42.79	0.00	0.00
38	140.00	Platform w/Handrail	1	54.032	59.435	1.00	1.00	25.00	1800.00	0.000	0.000	1485.87	0.00	0.00
39	140.00	Mount Pipes	12	54.032	59.435	0.75	0.75	12.60	551.81	0.000	0.000	748.88	0.00	0.00
40	125.00	Commscope	1	52.758	58.034	0.67	0.67	22.93	2083.20	0.000	0.000	1330.95	0.00	0.00
41	125.00	Raycap	1	52.758	58.034	0.38	0.75	0.75	26.28	0.000	0.000	43.74	0.00	0.00
42	125.00	Fujitsu TA08025-B604	3	52.758	58.034	0.38	0.75	2.21	230.04	0.000	0.000	127.96	0.00	0.00
43	125.00	Fujitsu TA08025-B605	3	52.758	58.034	0.38	0.75	2.21	270.00	0.000	0.000	127.96	0.00	0.00
44	125.00	JMA Wireless	3	52.758	58.034	0.55	0.75	20.80	232.20	0.000	0.000	1206.86	0.00	0.00
45	30.00	GPS	1	39.067	42.973	1.00	1.00	1.00	12.00	0.000	0.000	42.97	0.00	0.00
<b>Totals:</b>									<b>17,070.96</b>			<b>25,797.81</b>		

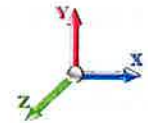
## Total Applied Force Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (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 128 mph Wind

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



**Iterations** 32

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
2.00		388.59	897.10	0.00	0.00
4.00		385.53	890.91	0.00	0.00
6.00		382.47	884.72	0.00	0.00
8.00		379.41	878.53	0.00	0.00
10.00		376.34	872.33	0.00	0.00
12.00		373.28	866.14	0.00	0.00
14.00		370.22	859.95	0.00	0.00
16.00		371.69	853.75	0.00	0.00
18.00		377.84	847.56	0.00	0.00
20.00		383.07	841.37	0.00	0.00
22.00		387.52	835.18	0.00	0.00
24.00		391.30	828.98	0.00	0.00
26.00		394.52	822.79	0.00	0.00
28.00		397.24	816.60	0.00	0.00
30.00	(1) attachments	442.48	822.40	0.00	0.00
32.00		401.39	804.21	0.00	0.00
34.00		402.91	798.02	0.00	0.00
35.50		302.53	594.45	0.00	0.00
36.00		102.28	356.88	0.00	0.00
38.00		411.49	1420.04	0.00	0.00
40.00		412.20	1408.07	0.00	0.00
42.00		412.66	1396.10	0.00	0.00
43.00		205.92	693.56	0.00	0.00
44.00		205.96	366.35	0.00	0.00
46.00		412.89	728.37	0.00	0.00
48.00		412.70	722.59	0.00	0.00
50.00		412.32	716.81	0.00	0.00
52.00		411.77	711.03	0.00	0.00
54.00		411.05	705.25	0.00	0.00
56.00		410.17	699.47	0.00	0.00
58.00		409.15	693.69	0.00	0.00
60.00		407.98	687.91	0.00	0.00
62.00		406.69	682.13	0.00	0.00
64.00		405.26	676.35	0.00	0.00
66.00		403.72	670.57	0.00	0.00
68.00		402.06	664.79	0.00	0.00
70.00		400.29	659.01	0.00	0.00
72.00		398.42	653.23	0.00	0.00
74.00		396.44	647.45	0.00	0.00
74.50		98.58	160.96	0.00	0.00
76.00		300.19	823.49	0.00	0.00
78.00		398.67	1088.60	0.00	0.00
80.00		396.45	1077.86	0.00	0.00
81.00		197.11	534.91	0.00	0.00
82.00		196.52	279.32	0.00	0.00
84.00		391.75	554.92	0.00	0.00

## Total Applied Force Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	Page: 16
<b>Struct Class:</b> II		



86.00		389.28	549.97	0.00	0.00
88.00		386.73	545.01	0.00	0.00
90.00		384.10	540.06	0.00	0.00
92.00		381.40	535.11	0.00	0.00
94.00		378.63	530.15	0.00	0.00
96.00		375.79	525.20	0.00	0.00
98.00		372.89	520.24	0.00	0.00
100.00		369.91	515.29	0.00	0.00
102.00		366.88	510.34	0.00	0.00
104.00		363.79	505.38	0.00	0.00
106.00		360.63	500.43	0.00	0.00
108.00		357.42	495.47	0.00	0.00
110.00		354.15	490.52	0.00	0.00
112.00		350.83	485.56	0.00	0.00
114.00		347.45	480.61	0.00	0.00
116.00		344.02	475.66	0.00	0.00
118.00		340.54	470.70	0.00	0.00
118.75		126.65	175.24	0.00	0.00
120.00		213.76	475.16	0.00	0.00
122.00		339.34	752.87	0.00	0.00
124.00		335.73	743.79	0.00	0.00
125.00	(11) attachments	3003.84	3042.69	0.00	0.00
126.00		165.44	198.73	0.00	0.00
128.00		328.38	394.37	0.00	0.00
130.00		324.63	390.24	0.00	0.00
132.00		320.84	386.11	0.00	0.00
134.00		317.01	381.99	0.00	0.00
136.00		313.14	377.86	0.00	0.00
138.00		309.22	373.73	0.00	0.00
140.00	(34) attachments	6089.10	4125.30	0.00	462.61
142.00		301.27	330.24	0.00	0.00
144.00		297.23	326.11	0.00	0.00
146.00		293.16	321.98	0.00	0.00
148.00		289.05	317.85	0.00	0.00
150.00	(43) attachments	5506.44	4061.49	0.00	0.00
152.00		280.72	273.48	0.00	0.00
154.00		276.50	269.35	0.00	0.00
154.75		102.50	99.94	0.00	0.00
156.00		171.90	249.74	0.00	0.00
158.00		271.70	394.21	0.00	0.00
159.00		134.14	194.63	0.00	0.00
160.00		133.06	86.68	0.00	0.00
162.00		263.04	171.50	0.00	0.00
164.00		258.66	169.02	0.00	0.00
166.00		254.24	166.54	0.00	0.00
167.00	(31) attachments	6358.16	3822.23	0.00	0.00
168.00		124.26	64.80	0.00	0.00
170.00		245.32	127.75	0.00	0.00
172.00		240.82	125.27	0.00	0.00
174.00		236.28	122.79	0.00	0.00
176.00		231.71	120.32	0.00	0.00
178.00		227.12	117.84	0.00	0.00
180.00		222.49	115.36	0.00	0.00
182.00		217.84	112.88	0.00	0.00
184.00		213.15	110.41	0.00	0.00
186.00		208.44	107.93	0.00	0.00
188.00		203.71	105.45	0.00	0.00

## Total Applied Force Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 17



190.00		198.94	102.98	0.00	0.00
192.00		194.15	100.50	0.00	0.00
194.00		189.33	98.02	0.00	0.00
195.00	(35) attachments	5747.76	3014.17	0.00	0.00
196.00	(1) attachments	115.83	52.09	0.00	0.00
	<b>Totals:</b>	<b>59,159.48</b>	<b>71,842.03</b>	<b>0.00</b>	<b>462.61</b>



## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (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:** 1.2D + 1.0W 128 mph Wind

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



**Iterations** 32

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)
2.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.030	0.000	33.807	0.00	0.66
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.030	0.000	33.807	0.00	2.50
2.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.030	0.000	33.807	0.00	29.95
2.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.030	0.000	33.807	0.00	5.28
4.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	0.66
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	2.50
4.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	29.95
4.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.031	0.000	33.807	0.00	5.28
6.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	0.66
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	2.50
6.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	29.95
6.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.031	0.000	33.807	0.00	5.28
8.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	0.66
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	2.50
8.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	29.95
8.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.031	0.000	33.807	0.00	5.28
10.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	0.66
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	2.50
10.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	29.95
10.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.031	0.000	33.807	0.00	5.28
12.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	33.807	0.00	0.66
12.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	33.807	0.00	2.50
12.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	33.807	0.00	29.95
12.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.032	0.000	33.807	0.00	5.28
14.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	33.807	0.00	0.66
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	33.807	0.00	2.50
14.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	33.807	0.00	29.95
14.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.032	0.000	33.807	0.00	5.28
16.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	34.224	0.00	0.66
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	34.224	0.00	2.50
16.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	34.224	0.00	29.95
16.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.032	0.000	34.224	0.00	5.28
18.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	35.083	0.00	0.66
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	35.083	0.00	2.50
18.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	35.083	0.00	29.95
18.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.032	0.000	35.083	0.00	5.28
20.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	35.870	0.00	0.66
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	35.870	0.00	2.50
20.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	35.870	0.00	29.95
20.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.033	0.000	35.870	0.00	5.28
22.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	36.597	0.00	0.66
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	36.597	0.00	2.50
22.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	36.597	0.00	29.95
22.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.033	0.000	36.597	0.00	5.28
24.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	37.274	0.00	0.66
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	37.274	0.00	2.50
24.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	37.274	0.00	29.95

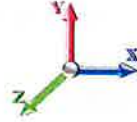
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		<b>Page:</b> 19



**Load Case:** 1.2D + 1.0W 128 mph Wind

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



**Iterations** 32

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)
24.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.033	0.000	37.274	0.00	5.28
26.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	37.907	0.00	0.66
26.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	37.907	0.00	2.50
26.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	37.907	0.00	29.95
26.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.033	0.000	37.907	0.00	5.28
28.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	38.503	0.00	0.66
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	38.503	0.00	2.50
28.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	38.503	0.00	29.95
28.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.034	0.000	38.503	0.00	5.28
30.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	39.067	0.00	0.66
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	39.067	0.00	2.50
30.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	39.067	0.00	29.95
30.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.034	0.000	39.067	0.00	5.28
32.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	39.601	0.00	0.66
32.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	39.601	0.00	2.50
32.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	39.601	0.00	29.95
32.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.034	0.000	39.601	0.00	5.28
34.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	40.110	0.00	0.66
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	40.110	0.00	2.50
34.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	40.110	0.00	29.95
34.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.035	0.000	40.110	0.00	5.28
35.50	Safety Cable	Yes	1.50	0.000	0.00	0.00	0.00	0.035	0.000	40.476	0.00	0.49
35.50	Step bolts (ladder)	Yes	1.50	0.000	0.00	0.00	0.00	0.035	0.000	40.476	0.00	1.87
35.50	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.035	0.000	40.476	0.00	22.46
35.50	1 5/8" Hybrid	Yes	1.50	0.000	2.00	0.25	0.00	0.035	0.000	40.476	0.00	3.96
36.00	Safety Cable	Yes	0.50	0.000	0.00	0.00	0.00	0.035	0.000	40.595	0.00	0.16
36.00	Step bolts (ladder)	Yes	0.50	0.000	0.00	0.00	0.00	0.035	0.000	40.595	0.00	0.62
36.00	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.035	0.000	40.595	0.00	7.49
36.00	1 5/8" Hybrid	Yes	0.50	0.000	2.00	0.08	0.00	0.035	0.000	40.595	0.00	1.32
38.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	41.060	0.00	0.66
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	41.060	0.00	2.50
38.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	41.060	0.00	29.95
38.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.035	0.000	41.060	0.00	5.28
40.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	41.506	0.00	0.66
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	41.506	0.00	2.50
40.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	41.506	0.00	29.95
40.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.036	0.000	41.506	0.00	5.28
42.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	41.934	0.00	0.66
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	41.934	0.00	2.50
42.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	41.934	0.00	29.95
42.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.036	0.000	41.934	0.00	5.28
43.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	42.143	0.00	0.33
43.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	42.143	0.00	1.25
43.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	42.143	0.00	14.98
43.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.036	0.000	42.143	0.00	2.64
44.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	42.347	0.00	0.33
44.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	42.347	0.00	1.25

## Linear Appurtenance Segment Forces (Factored)

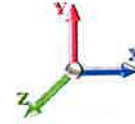
<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 20



**Load Case:** 1.2D + 1.0W 128 mph Wind

**Iterations** 32

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



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)
44.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	42.347	0.00	14.98
44.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.036	0.000	42.347	0.00	2.64
46.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	42.745	0.00	0.66
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	42.745	0.00	2.50
46.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	42.745	0.00	29.95
46.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.036	0.000	42.745	0.00	5.28
48.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	43.130	0.00	0.66
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	43.130	0.00	2.50
48.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	43.130	0.00	29.95
48.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.036	0.000	43.130	0.00	5.28
50.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	43.502	0.00	0.66
50.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	43.502	0.00	2.50
50.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	43.502	0.00	29.95
50.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.037	0.000	43.502	0.00	5.28
52.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	43.863	0.00	0.66
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	43.863	0.00	2.50
52.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	43.863	0.00	29.95
52.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.037	0.000	43.863	0.00	5.28
54.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	44.213	0.00	0.66
54.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	44.213	0.00	2.50
54.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	44.213	0.00	29.95
54.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.037	0.000	44.213	0.00	5.28
56.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	44.553	0.00	0.66
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	44.553	0.00	2.50
56.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	44.553	0.00	29.95
56.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.038	0.000	44.553	0.00	5.28
58.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	44.883	0.00	0.66
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	44.883	0.00	2.50
58.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	44.883	0.00	29.95
58.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.038	0.000	44.883	0.00	5.28
60.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.204	0.00	0.66
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.204	0.00	2.50
60.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.204	0.00	29.95
60.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.039	0.000	45.204	0.00	5.28
62.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.518	0.00	0.66
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.518	0.00	2.50
62.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.518	0.00	29.95
62.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.039	0.000	45.518	0.00	5.28
64.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.823	0.00	0.66
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.823	0.00	2.50
64.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.823	0.00	29.95
64.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.039	0.000	45.823	0.00	5.28
66.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	46.121	0.00	0.66
66.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	46.121	0.00	2.50
66.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	46.121	0.00	29.95
66.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.040	0.000	46.121	0.00	5.28
68.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	46.411	0.00	0.66

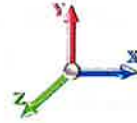
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (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 + 1.0W 128 mph Wind

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



**Iterations** 32

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)
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	46.411	0.00	2.50
68.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	46.411	0.00	29.95
68.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.040	0.000	46.411	0.00	5.28
70.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	46.695	0.00	0.66
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	46.695	0.00	2.50
70.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	46.695	0.00	29.95
70.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.041	0.000	46.695	0.00	5.28
72.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	46.973	0.00	0.66
72.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	46.973	0.00	2.50
72.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	46.973	0.00	29.95
72.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.041	0.000	46.973	0.00	5.28
74.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	47.245	0.00	0.66
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	47.245	0.00	2.50
74.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	47.245	0.00	29.95
74.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.042	0.000	47.245	0.00	5.28
74.50	Safety Cable	Yes	0.50	0.000	0.00	0.00	0.00	0.042	0.000	47.312	0.00	0.16
74.50	Step bolts (ladder)	Yes	0.50	0.000	0.00	0.00	0.00	0.042	0.000	47.312	0.00	0.62
74.50	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.042	0.000	47.312	0.00	7.49
74.50	1 5/8" Hybrid	Yes	0.50	0.000	2.00	0.08	0.00	0.042	0.000	47.312	0.00	1.32
76.00	Safety Cable	Yes	1.50	0.000	0.00	0.00	0.00	0.042	0.000	47.511	0.00	0.49
76.00	Step bolts (ladder)	Yes	1.50	0.000	0.00	0.00	0.00	0.042	0.000	47.511	0.00	1.87
76.00	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.042	0.000	47.511	0.00	22.46
76.00	1 5/8" Hybrid	Yes	1.50	0.000	2.00	0.25	0.00	0.042	0.000	47.511	0.00	3.96
78.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	47.771	0.00	0.66
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	47.771	0.00	2.50
78.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	47.771	0.00	29.95
78.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.042	0.000	47.771	0.00	5.28
80.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	48.027	0.00	0.66
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	48.027	0.00	2.50
80.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	48.027	0.00	29.95
80.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.043	0.000	48.027	0.00	5.28
81.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	48.153	0.00	0.33
81.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	48.153	0.00	1.25
81.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	48.153	0.00	14.98
81.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.043	0.000	48.153	0.00	2.64
82.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	48.277	0.00	0.33
82.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	48.277	0.00	1.25
82.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	48.277	0.00	14.98
82.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.043	0.000	48.277	0.00	2.64
84.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	48.523	0.00	0.66
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	48.523	0.00	2.50
84.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	48.523	0.00	29.95
84.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.043	0.000	48.523	0.00	5.28
86.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	48.764	0.00	0.66
86.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	48.764	0.00	2.50
86.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	48.764	0.00	29.95
86.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.044	0.000	48.764	0.00	5.28

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



Page: 22

**Load Case:** 1.2D + 1.0W 128 mph Wind

**Iterations** 32

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



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)
88.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	49.000	0.00	0.66
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	49.000	0.00	2.50
88.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	49.000	0.00	29.95
88.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.044	0.000	49.000	0.00	5.28
90.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	49.233	0.00	0.66
90.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	49.233	0.00	2.50
90.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	49.233	0.00	29.95
90.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.045	0.000	49.233	0.00	5.28
92.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	49.461	0.00	0.66
92.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	49.461	0.00	2.50
92.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	49.461	0.00	29.95
92.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.045	0.000	49.461	0.00	5.28
94.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	49.685	0.00	0.66
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	49.685	0.00	2.50
94.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	49.685	0.00	29.95
94.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.046	0.000	49.685	0.00	5.28
94.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	49.906	0.00	0.66
96.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	49.906	0.00	2.50
96.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	49.906	0.00	29.95
96.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	49.906	0.00	5.28
96.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.046	0.000	49.906	0.00	29.95
96.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.123	0.00	0.66
98.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.123	0.00	2.50
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.123	0.00	29.95
98.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.123	0.00	5.28
98.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	50.123	0.00	29.95
98.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.337	0.00	0.66
100.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.337	0.00	2.50
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.337	0.00	29.95
100.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.337	0.00	5.28
100.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	50.337	0.00	29.95
100.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	50.547	0.00	0.66
102.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	50.547	0.00	2.50
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	50.547	0.00	29.95
102.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	50.547	0.00	5.28
102.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.086	0.000	50.547	0.00	29.95
102.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.086	0.000	50.547	0.00	2.40
102.00	1.6" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	50.754	0.00	0.66
104.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	50.754	0.00	2.50
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	50.754	0.00	29.95
104.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	50.754	0.00	5.28
104.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.087	0.000	50.754	0.00	29.95
104.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.087	0.000	50.754	0.00	2.40
104.00	1.6" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	50.958	0.00	0.66
106.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	50.958	0.00	2.50
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	50.958	0.00	29.95
106.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	50.958	0.00	5.28
106.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.089	0.000	50.958	0.00	29.95
106.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.089	0.000	50.958	0.00	2.40
106.00	1.6" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	51.159	0.00	0.66
108.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	51.159	0.00	2.50
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	51.159	0.00	29.95
108.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	51.159	0.00	5.28
108.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.090	0.000	51.159	0.00	29.95

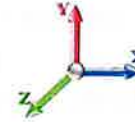
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 23



**Load Case:** 1.2D + 1.0W 128 mph Wind

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



**Iterations** 32

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)
108.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.090	0.000	51.159	0.00	2.40
110.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	51.357	0.00	0.66
110.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	51.357	0.00	2.50
110.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	51.357	0.00	29.95
110.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.091	0.000	51.357	0.00	5.28
110.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.091	0.000	51.357	0.00	2.40
112.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	51.552	0.00	0.66
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	51.552	0.00	2.50
112.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	51.552	0.00	29.95
112.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.092	0.000	51.552	0.00	5.28
112.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.092	0.000	51.552	0.00	2.40
114.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	51.745	0.00	0.66
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	51.745	0.00	2.50
114.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	51.745	0.00	29.95
114.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.093	0.000	51.745	0.00	5.28
114.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.093	0.000	51.745	0.00	2.40
116.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	51.934	0.00	0.66
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	51.934	0.00	2.50
116.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	51.934	0.00	29.95
116.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.095	0.000	51.934	0.00	5.28
116.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.095	0.000	51.934	0.00	2.40
118.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	52.122	0.00	0.66
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	52.122	0.00	2.50
118.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	52.122	0.00	29.95
118.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.096	0.000	52.122	0.00	5.28
118.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.096	0.000	52.122	0.00	2.40
118.75	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.097	0.000	52.191	0.00	0.25
118.75	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.097	0.000	52.191	0.00	0.94
118.75	1 5/8" Coax	Yes	0.75	0.000	0.00	0.00	0.00	0.097	0.000	52.191	0.00	11.23
118.75	1 5/8" Hybrid	Yes	0.75	0.000	2.00	0.13	0.00	0.097	0.000	52.191	0.00	1.98
118.75	1.6" Hybrid	Yes	0.75	0.000	1.60	0.10	0.00	0.097	0.000	52.191	0.00	0.90
120.00	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.098	0.000	52.306	0.00	0.41
120.00	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.098	0.000	52.306	0.00	1.56
120.00	1 5/8" Coax	Yes	1.25	0.000	0.00	0.00	0.00	0.098	0.000	52.306	0.00	18.72
120.00	1 5/8" Hybrid	Yes	1.25	0.000	2.00	0.21	0.00	0.098	0.000	52.306	0.00	3.30
120.00	1.6" Hybrid	Yes	1.25	0.000	1.60	0.17	0.00	0.098	0.000	52.306	0.00	1.50
122.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	52.489	0.00	0.66
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	52.489	0.00	2.50
122.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	52.489	0.00	29.95
122.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.099	0.000	52.489	0.00	5.28
122.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.099	0.000	52.489	0.00	2.40
124.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	52.669	0.00	0.66
124.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	52.669	0.00	2.50
124.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	52.669	0.00	29.95
124.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.100	0.000	52.669	0.00	5.28
124.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.100	0.000	52.669	0.00	2.40
125.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.099	0.000	52.758	0.00	0.33

## Linear Appurtenance Segment Forces (Factored)

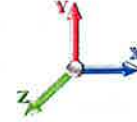
<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 24



**Load Case:** 1.2D + 1.0W 128 mph Wind

**Iterations** 32

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



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)
125.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.099	0.000	52.758	0.00	1.25
125.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.099	0.000	52.758	0.00	14.98
125.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.099	0.000	52.758	0.00	2.64
125.00	1.6" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.099	0.000	52.758	0.00	1.20
126.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.056	0.000	52.846	0.00	0.33
126.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.056	0.000	52.846	0.00	1.25
126.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.056	0.000	52.846	0.00	14.98
126.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.056	0.000	52.846	0.00	2.64
128.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.056	0.000	53.022	0.00	0.66
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.056	0.000	53.022	0.00	2.50
128.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.056	0.000	53.022	0.00	29.95
128.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.056	0.000	53.022	0.00	5.28
130.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.057	0.000	53.195	0.00	0.66
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.057	0.000	53.195	0.00	2.50
130.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.057	0.000	53.195	0.00	29.95
130.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.057	0.000	53.195	0.00	5.28
132.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.058	0.000	53.367	0.00	0.66
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.058	0.000	53.367	0.00	2.50
132.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.058	0.000	53.367	0.00	29.95
132.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.058	0.000	53.367	0.00	5.28
134.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.059	0.000	53.536	0.00	0.66
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.059	0.000	53.536	0.00	2.50
134.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.059	0.000	53.536	0.00	29.95
134.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.059	0.000	53.536	0.00	5.28
136.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.060	0.000	53.703	0.00	0.66
136.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.060	0.000	53.703	0.00	2.50
136.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.060	0.000	53.703	0.00	29.95
136.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.060	0.000	53.703	0.00	5.28
138.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	53.868	0.00	0.66
138.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	53.868	0.00	2.50
138.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	53.868	0.00	29.95
138.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.061	0.000	53.868	0.00	5.28
140.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.062	0.000	54.032	0.00	0.66
140.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.062	0.000	54.032	0.00	2.50
140.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.062	0.000	54.032	0.00	29.95
140.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.062	0.000	54.032	0.00	5.28
142.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	54.193	0.00	0.66
142.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	54.193	0.00	2.50
144.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	54.353	0.00	0.66
144.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	54.353	0.00	2.50
146.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	54.511	0.00	0.66
146.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	54.511	0.00	2.50
148.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	54.668	0.00	0.66
148.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	54.668	0.00	2.50
150.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	54.822	0.00	0.66
150.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	54.822	0.00	2.50
152.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	54.975	0.00	0.66

## Linear Appurtenance Segment Forces (Factored)

**Structure:** CT00595-S

**Code:** TIA-222-H

8/2/2023

**Site Name:** Stonington East

**Exposure:** C

**Height:** 196.00 (ft)

**Crest Height:** 0.00

**Base Elev:** 0.000 (ft)

**Site Class:** D - Stiff Soil

**Gh:** 1.1

**Topography:** 1

**Struct Class:** II

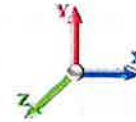
Page: 25



**Load Case:** 1.2D + 1.0W 128 mph Wind

**Dead Load Factor** 1.20

**Wind Load Factor** 1.00



**Iterations** 32

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)
152.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	54.975	0.00	2.50
154.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.127	0.00	0.66
154.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.127	0.00	2.50
154.75	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	55.183	0.00	0.25
154.75	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	55.183	0.00	0.94
156.00	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	55.277	0.00	0.41
156.00	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	55.277	0.00	1.56
158.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.425	0.00	0.66
158.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.425	0.00	2.50
159.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	55.499	0.00	0.33
159.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	55.499	0.00	1.25
160.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	55.572	0.00	0.33
160.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	55.572	0.00	1.25
162.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.718	0.00	0.66
162.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.718	0.00	2.50
164.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.862	0.00	0.66
164.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.862	0.00	2.50
166.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.005	0.00	0.66
166.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.005	0.00	2.50
167.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	56.076	0.00	0.33
167.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	56.076	0.00	1.25
168.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	56.146	0.00	0.33
168.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	56.146	0.00	1.25
170.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.286	0.00	0.66
170.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.286	0.00	2.50
172.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.425	0.00	0.66
172.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.425	0.00	2.50
174.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.562	0.00	0.66
174.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.562	0.00	2.50
176.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.699	0.00	0.66
176.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.699	0.00	2.50
178.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.834	0.00	0.66
178.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.834	0.00	2.50
180.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.967	0.00	0.66
180.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.967	0.00	2.50
182.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.100	0.00	0.66
182.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.100	0.00	2.50
184.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.232	0.00	0.66
184.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.232	0.00	2.50
186.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.362	0.00	0.66
186.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.362	0.00	2.50
188.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.491	0.00	0.66
188.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.491	0.00	2.50
190.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.620	0.00	0.66
190.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.620	0.00	2.50
192.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.747	0.00	0.66
192.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.747	0.00	2.50



## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



Page: 26

**Load Case:** 1.2D + 1.0W 128 mph Wind

**Iterations** 32

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



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)
194.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.873	0.00	0.66
194.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.873	0.00	2.50
195.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	57.936	0.00	0.33
195.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	57.936	0.00	1.25
196.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	57.998	0.00	0.33
196.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	57.998	0.00	1.25
<b>Totals:</b>											<b>0.0</b>	<b>2,805.1</b>





## Calculated Forces

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		<b>Page:</b> 29



192.00	-2.05	-6.51	0.00	-19.46	0.00	19.46	775.47	192.92	292.71	287.17	202.70	-10.096	0.000	0.072
194.00	-1.99	-6.31	0.00	-6.43	0.00	6.43	761.60	187.60	276.78	274.17	206.91	-10.112	0.000	0.027
195.00	-0.03	-0.12	0.00	-0.12	0.00	0.12	754.51	184.94	268.98	267.73	209.02	-10.114	0.000	0.001
196.00	0.00	-0.12	0.00	0.00	0.00	0.00	747.31	182.27	261.30	261.31	211.13	-10.114	0.000	0.000

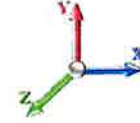
## Wind Loading - Shaft

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 30



**Load Case:** 0.9D + 1.0W 128 mph Wind

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



**Iterations** 31

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	33.807	37.19	650.99	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	33.807	37.19	645.88	0.950	0.000	2.00	11.000	10.45	388.6	0.0	585.0
4.00		1.00	0.85	33.807	37.19	640.77	0.950	0.000	2.00	10.913	10.37	385.5	0.0	580.4
6.00		1.00	0.85	33.807	37.19	635.66	0.950	0.000	2.00	10.826	10.28	382.5	0.0	575.7
8.00		1.00	0.85	33.807	37.19	630.55	0.950	0.000	2.00	10.740	10.20	379.4	0.0	571.1
10.00		1.00	0.85	33.807	37.19	625.44	0.950	0.000	2.00	10.653	10.12	376.3	0.0	566.4
12.00		1.00	0.85	33.807	37.19	620.33	0.950	0.000	2.00	10.566	10.04	373.3	0.0	561.8
14.00		1.00	0.85	33.807	37.19	615.22	0.950	0.000	2.00	10.479	9.96	370.2	0.0	557.2
16.00		1.00	0.86	34.224	37.65	613.86	0.950	0.000	2.00	10.393	9.87	371.7	0.0	552.5
18.00		1.00	0.88	35.083	38.59	616.32	0.950	0.000	2.00	10.306	9.79	377.8	0.0	547.9
20.00		1.00	0.90	35.870	39.46	617.92	0.950	0.000	2.00	10.219	9.71	383.1	0.0	543.2
22.00		1.00	0.92	36.597	40.26	618.84	0.950	0.000	2.00	10.133	9.63	387.5	0.0	538.6
24.00		1.00	0.94	37.274	41.00	619.17	0.950	0.000	2.00	10.046	9.54	391.3	0.0	533.9
26.00		1.00	0.95	37.907	41.70	618.99	0.950	0.000	2.00	9.959	9.46	394.5	0.0	529.3
28.00		1.00	0.97	38.503	42.35	618.39	0.950	0.000	2.00	9.873	9.38	397.2	0.0	524.6
30.00	Appurtenance(s)	1.00	0.98	39.067	42.97	617.40	0.950	0.000	2.00	9.786	9.30	399.5	0.0	520.0
32.00		1.00	1.00	39.601	43.56	616.08	0.950	0.000	2.00	9.699	9.21	401.4	0.0	515.3
34.00		1.00	1.01	40.110	44.12	614.46	0.950	0.000	2.00	9.613	9.13	402.9	0.0	510.7
35.50	Bot - Section 2	1.00	1.02	40.476	44.52	613.06	0.950	0.000	1.50	7.153	6.79	302.5	0.0	380.0
36.00		1.00	1.02	40.595	44.65	612.57	0.950	0.000	0.50	2.411	2.29	102.3	0.0	245.7
38.00		1.00	1.03	41.060	45.17	610.43	0.950	0.000	2.00	9.590	9.11	411.5	0.0	977.2
40.00		1.00	1.04	41.506	45.66	608.07	0.950	0.000	2.00	9.504	9.03	412.2	0.0	968.2
42.00		1.00	1.05	41.934	46.13	605.51	0.950	0.000	2.00	9.417	8.95	412.7	0.0	959.3
43.00	Top - Section 1	1.00	1.06	42.143	46.36	604.16	0.950	0.000	1.00	4.676	4.44	205.9	0.0	476.3
44.00		1.00	1.06	42.347	46.58	612.73	0.950	0.000	1.00	4.654	4.42	206.0	0.0	230.9
46.00		1.00	1.07	42.745	47.02	609.85	0.950	0.000	2.00	9.243	8.78	412.9	0.0	458.5
48.00		1.00	1.08	43.130	47.44	606.82	0.950	0.000	2.00	9.157	8.70	412.7	0.0	454.1
50.00		1.00	1.09	43.502	47.85	603.64	0.950	0.000	2.00	9.070	8.62	412.3	0.0	449.8
52.00		1.00	1.10	43.863	48.25	600.31	0.950	0.000	2.00	8.983	8.53	411.8	0.0	445.5
54.00		1.00	1.11	44.213	48.63	596.86	0.950	0.000	2.00	8.897	8.45	411.0	0.0	441.1
56.00		1.00	1.12	44.553	49.01	593.28	0.950	0.000	2.00	8.810	8.37	410.2	0.0	436.8
58.00		1.00	1.13	44.883	49.37	589.59	0.950	0.000	2.00	8.723	8.29	409.1	0.0	432.5
60.00		1.00	1.14	45.204	49.72	585.79	0.950	0.000	2.00	8.637	8.20	408.0	0.0	428.1
62.00		1.00	1.14	45.518	50.07	581.88	0.950	0.000	2.00	8.550	8.12	406.7	0.0	423.8
64.00		1.00	1.15	45.823	50.41	577.88	0.950	0.000	2.00	8.463	8.04	405.3	0.0	419.5
66.00		1.00	1.16	46.121	50.73	573.79	0.950	0.000	2.00	8.377	7.96	403.7	0.0	415.1
68.00		1.00	1.17	46.411	51.05	569.61	0.950	0.000	2.00	8.290	7.88	402.1	0.0	410.8
70.00		1.00	1.17	46.695	51.36	565.34	0.950	0.000	2.00	8.203	7.79	400.3	0.0	406.4
72.00		1.00	1.18	46.973	51.67	561.00	0.950	0.000	2.00	8.117	7.71	398.4	0.0	402.1
74.00		1.00	1.19	47.245	51.97	556.57	0.950	0.000	2.00	8.030	7.63	396.4	0.0	397.8
74.50	Bot - Section 3	1.00	1.19	47.312	52.04	555.46	0.950	0.000	0.50	1.994	1.89	98.6	0.0	98.8
76.00		1.00	1.19	47.511	52.26	552.08	0.950	0.000	1.50	6.046	5.74	300.2	0.0	551.8
78.00		1.00	1.20	47.771	52.55	547.52	0.950	0.000	2.00	7.986	7.59	398.7	0.0	728.6
80.00		1.00	1.21	48.027	52.83	542.89	0.950	0.000	2.00	7.899	7.50	396.4	0.0	720.6
81.00	Top - Section 2	1.00	1.21	48.153	52.97	540.55	0.950	0.000	1.00	3.917	3.72	197.1	0.0	357.3
82.00		1.00	1.21	48.277	53.10	547.31	0.950	0.000	1.00	3.895	3.70	196.5	0.0	165.6
84.00		1.00	1.22	48.523	53.37	542.58	0.950	0.000	2.00	7.726	7.34	391.7	0.0	328.4

## Wind Loading - Shaft

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)  
**Gh:** 1.1

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

8/2/2023  
 Page: 31



86.00	1.00	1.23	48.764	53.64	537.79	0.950	0.000	2.00	7.639	7.26	389.3	0.0	324.7
88.00	1.00	1.23	49.000	53.90	532.94	0.950	0.000	2.00	7.552	7.17	386.7	0.0	321.0
90.00	1.00	1.24	49.233	54.16	528.03	0.950	0.000	2.00	7.466	7.09	384.1	0.0	317.2
92.00	1.00	1.24	49.461	54.41	523.07	0.950	0.000	2.00	7.379	7.01	381.4	0.0	313.5
94.00	1.00	1.25	49.685	54.65	518.06	0.950	0.000	2.00	7.292	6.93	378.6	0.0	309.8
96.00	1.00	1.25	49.906	54.90	513.00	0.950	0.000	2.00	7.206	6.85	375.8	0.0	306.1
98.00	1.00	1.26	50.123	55.14	507.90	0.950	0.000	2.00	7.119	6.76	372.9	0.0	302.4
100.00	1.00	1.27	50.337	55.37	502.74	0.950	0.000	2.00	7.032	6.68	369.9	0.0	298.7
102.00	1.00	1.27	50.547	55.60	497.54	0.950	0.000	2.00	6.946	6.60	366.9	0.0	294.9
104.00	1.00	1.28	50.754	55.83	492.30	0.950	0.000	2.00	6.859	6.52	363.8	0.0	291.2
106.00	1.00	1.28	50.958	56.05	487.01	0.950	0.000	2.00	6.772	6.43	360.6	0.0	287.5
108.00	1.00	1.29	51.159	56.27	481.69	0.950	0.000	2.00	6.686	6.35	357.4	0.0	283.8
110.00	1.00	1.29	51.357	56.49	476.32	0.950	0.000	2.00	6.599	6.27	354.2	0.0	280.1
112.00	1.00	1.30	51.552	56.71	470.91	0.950	0.000	2.00	6.512	6.19	351.0	0.0	276.4
114.00	1.00	1.30	51.745	56.92	465.47	0.950	0.000	2.00	6.426	6.10	347.4	0.0	272.6
116.00	1.00	1.31	51.934	57.13	459.99	0.950	0.000	2.00	6.339	6.02	344.0	0.0	268.9
118.00	1.00	1.31	52.122	57.33	454.47	0.950	0.000	2.00	6.252	5.94	340.5	0.0	265.2
118.75 Bot - Section 4	1.00	1.31	52.191	57.41	452.39	0.950	0.000	0.75	2.322	2.21	126.7	0.0	98.5
120.00	1.00	1.32	52.306	57.54	448.92	0.950	0.000	1.25	3.911	3.72	213.8	0.0	301.5
122.00	1.00	1.32	52.489	57.74	443.33	0.950	0.000	2.00	6.187	5.88	339.3	0.0	476.8
124.00 Top - Section 3	1.00	1.32	52.669	57.94	437.71	0.950	0.000	2.00	6.100	5.79	335.7	0.0	470.0
125.00 Appurtenance(s)	1.00	1.33	52.758	58.03	442.83	0.950	0.000	1.00	3.017	2.87	166.4	0.0	106.8
126.00	1.00	1.33	52.846	58.13	440.01	0.950	0.000	1.00	2.996	2.85	165.4	0.0	106.0
128.00	1.00	1.33	53.022	58.32	434.34	0.950	0.000	2.00	5.927	5.63	328.4	0.0	209.8
130.00	1.00	1.34	53.195	58.51	428.64	0.950	0.000	2.00	5.840	5.55	324.6	0.0	206.7
132.00	1.00	1.34	53.367	58.70	422.91	0.950	0.000	2.00	5.753	5.47	320.8	0.0	203.6
134.00	1.00	1.35	53.536	58.89	417.15	0.950	0.000	2.00	5.667	5.38	317.0	0.0	200.5
136.00	1.00	1.35	53.703	59.07	411.36	0.950	0.000	2.00	5.580	5.30	313.1	0.0	197.4
138.00	1.00	1.35	53.868	59.26	405.54	0.950	0.000	2.00	5.493	5.22	309.2	0.0	194.3
140.00 Appurtenance(s)	1.00	1.36	54.032	59.43	399.70	0.950	0.000	2.00	5.406	5.14	305.3	0.0	191.2
142.00	1.00	1.36	54.193	59.61	393.82	0.950	0.000	2.00	5.320	5.05	301.3	0.0	188.1
144.00	1.00	1.37	54.353	59.79	387.92	0.950	0.000	2.00	5.233	4.97	297.2	0.0	185.0
146.00	1.00	1.37	54.511	59.96	382.00	0.950	0.000	2.00	5.146	4.89	293.2	0.0	181.9
148.00	1.00	1.37	54.668	60.13	376.05	0.950	0.000	2.00	5.060	4.81	289.0	0.0	178.8
150.00 Appurtenance(s)	1.00	1.38	54.822	60.30	370.07	0.950	0.000	2.00	4.973	4.72	284.9	0.0	175.7
152.00	1.00	1.38	54.975	60.47	364.07	0.950	0.000	2.00	4.886	4.64	280.7	0.0	172.6
154.00	1.00	1.39	55.127	60.64	358.05	0.950	0.000	2.00	4.800	4.56	276.5	0.0	169.5
154.75 Bot - Section 5	1.00	1.39	55.183	60.70	355.78	0.950	0.000	0.75	1.778	1.69	102.5	0.0	62.8
156.00	1.00	1.39	55.277	60.80	352.00	0.950	0.000	1.25	2.976	2.83	171.9	0.0	167.0
158.00	1.00	1.39	55.425	60.97	345.93	0.950	0.000	2.00	4.691	4.46	271.7	0.0	263.2
159.00 Top - Section 4	1.00	1.40	55.499	61.05	342.88	0.950	0.000	1.00	2.313	2.20	134.1	0.0	129.7
160.00	1.00	1.40	55.572	61.13	344.72	0.950	0.000	1.00	2.291	2.18	133.1	0.0	48.8
162.00	1.00	1.40	55.718	61.29	338.61	0.950	0.000	2.00	4.518	4.29	263.0	0.0	96.1
164.00	1.00	1.40	55.862	61.45	332.48	0.950	0.000	2.00	4.431	4.21	258.7	0.0	94.3
166.00	1.00	1.41	56.005	61.61	326.33	0.950	0.000	2.00	4.344	4.13	254.2	0.0	92.4
167.00 Appurtenance(s)	1.00	1.41	56.076	61.68	323.25	0.950	0.000	1.00	2.140	2.03	125.4	0.0	45.5
168.00	1.00	1.41	56.146	61.76	320.16	0.950	0.000	1.00	2.118	2.01	124.3	0.0	45.0
170.00	1.00	1.42	56.286	61.91	313.96	0.950	0.000	2.00	4.171	3.96	245.3	0.0	88.7
172.00	1.00	1.42	56.425	62.07	307.75	0.950	0.000	2.00	4.084	3.88	240.8	0.0	86.8
174.00	1.00	1.42	56.562	62.22	301.51	0.950	0.000	2.00	3.997	3.80	236.3	0.0	85.0
176.00	1.00	1.43	56.699	62.37	295.26	0.950	0.000	2.00	3.911	3.72	231.7	0.0	83.1
178.00	1.00	1.43	56.834	62.52	288.98	0.950	0.000	2.00	3.824	3.63	227.1	0.0	81.3
180.00	1.00	1.43	56.967	62.66	282.69	0.950	0.000	2.00	3.737	3.55	222.5	0.0	79.4
182.00	1.00	1.44	57.100	62.81	276.38	0.950	0.000	2.00	3.651	3.47	217.8	0.0	77.5
184.00	1.00	1.44	57.232	62.95	270.04	0.950	0.000	2.00	3.564	3.39	213.2	0.0	75.7
186.00	1.00	1.44	57.362	63.10	263.70	0.950	0.000	2.00	3.477	3.30	208.4	0.0	73.8
188.00	1.00	1.45	57.491	63.24	257.33	0.950	0.000	2.00	3.391	3.22	203.7	0.0	72.0

## Wind Loading - Shaft

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)  
**Gh:** 1.1

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

8/2/2023

Page: 32



190.00	1.00	1.45	57.620	63.38	250.94	0.950	0.000	2.00	3.304	3.14	198.9	0.0	70.1
192.00	1.00	1.45	57.747	63.52	244.54	0.950	0.000	2.00	3.217	3.06	194.1	0.0	68.3
194.00	1.00	1.46	57.873	63.66	238.12	0.950	0.000	2.00	3.131	2.97	189.3	0.0	66.4
195.00 Appurtenance(s)	1.00	1.46	57.936	63.73	234.91	0.950	0.000	1.00	1.533	1.46	92.8	0.0	32.5
196.00 Appurtenance(s)	1.00	1.46	57.998	63.80	231.69	0.950	0.000	1.00	1.511	1.44	91.6	0.0	32.0
<b>Totals:</b>								<b>196.00</b>			<b>33,361.7</b>		<b>34,270.2</b>

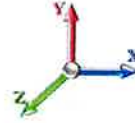
## Discrete Appurtenance Forces

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 33



**Load Case:** 0.9D + 1.0W 128 mph Wind

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



**Iterations** 31

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	196.00	6' Lightning rod	1	57.998	63.798	1.00	1.00	0.38	5.85	0.000	0.000	24.24	0.00	0.00
2	195.00	800MHz Filter	3	57.936	63.729	0.40	0.80	0.94	23.76	0.000	0.000	59.65	0.00	0.00
3	195.00	ACU-A20-N	4	57.936	63.729	0.40	0.80	0.22	3.60	0.000	0.000	14.28	0.00	0.00
4	195.00	APXVSP18-C-A20	3	57.936	63.729	0.71	0.85	16.97	153.90	0.000	0.000	1081.76	0.00	0.00
5	195.00	APXVTM14-C-120	3	57.936	63.729	0.67	0.85	12.77	151.20	0.000	0.000	813.94	0.00	0.00
6	195.00	1900MHz RRH	3	57.936	63.729	0.40	0.80	4.56	118.80	0.000	0.000	290.60	0.00	0.00
7	195.00	TD-RRH8x20-25	3	57.936	63.729	0.40	0.80	4.86	189.00	0.000	0.000	309.72	0.00	0.00
8	195.00	800MHz RRH	3	57.936	63.729	0.40	0.80	3.17	160.65	0.000	0.000	201.89	0.00	0.00
9	195.00	Low Profile Platform	1	57.936	63.729	1.00	1.00	28.50	1009.80	0.000	0.000	1816.28	0.00	0.00
10	195.00	Mount Pipes	12	57.936	63.729	0.90	0.90	16.74	413.86	0.000	0.000	1066.83	0.00	0.00
11	167.00	RFS	3	56.076	61.683	0.55	0.75	33.24	331.56	0.000	0.000	2050.60	0.00	0.00
12	167.00	Mount Pipes	12	56.076	61.683	0.75	0.75	12.87	413.86	0.000	0.000	793.86	0.00	0.00
13	167.00	Ericsson AIR6449 B41	3	56.076	61.683	0.53	0.75	9.03	278.10	0.000	0.000	556.74	0.00	0.00
14	167.00	Low Profile Platform	1	56.076	61.683	1.00	1.00	31.07	1208.97	0.000	0.000	1916.49	0.00	0.00
15	167.00	KRY 112 144/1	3	56.076	61.683	0.38	0.75	0.46	29.70	0.000	0.000	28.45	0.00	0.00
16	167.00	Ericsson 4449 B71 + B85	3	56.076	61.683	0.38	0.75	2.22	197.64	0.000	0.000	136.71	0.00	0.00
17	167.00	Ericsson 4460 B25 + B66	3	56.076	61.683	0.38	0.75	2.41	280.80	0.000	0.000	148.50	0.00	0.00
18	167.00	Commscope VV-65A-R1	3	56.076	61.683	0.55	0.75	9.75	64.29	0.000	0.000	601.42	0.00	0.00
19	150.00	DC6-48-60-18-8F	2	54.822	60.305	0.38	0.75	1.10	57.24	0.000	0.000	66.49	0.00	0.00
20	150.00	LGP13519	6	54.822	60.305	0.38	0.75	0.77	28.62	0.000	0.000	46.13	0.00	0.00
21	150.00	LGP21401	6	54.822	60.305	0.38	0.75	2.90	76.14	0.000	0.000	175.03	0.00	0.00
22	150.00	7700.00	3	54.822	60.305	0.59	0.75	3.08	43.20	0.000	0.000	185.44	0.00	0.00
23	150.00	B2 B66A 8843	3	54.822	60.305	0.38	0.75	1.84	189.00	0.000	0.000	111.26	0.00	0.00
24	150.00	Mount Pipes	12	54.822	60.305	0.75	0.75	13.14	413.86	0.000	0.000	792.40	0.00	0.00
25	150.00	Low Profile Platform	1	54.822	60.305	1.00	1.00	24.56	1201.50	0.000	0.000	1481.08	0.00	0.00
26	150.00	Handrail Kit	1	54.822	60.305	0.75	0.75	3.42	220.50	0.000	0.000	206.24	0.00	0.00
27	150.00	4449 B5/B12	3	54.822	60.305	0.38	0.75	2.22	191.70	0.000	0.000	133.65	0.00	0.00
28	150.00	800 10966	2	54.822	60.305	0.54	0.75	18.75	226.26	0.000	0.000	1130.64	0.00	0.00
29	150.00	80010964	1	54.822	60.305	0.53	0.75	5.32	85.32	0.000	0.000	321.12	0.00	0.00
30	150.00	HPA65R-BU4A	3	54.822	60.305	0.64	0.75	9.49	77.49	0.000	0.000	572.05	0.00	0.00
31	140.00	MX06FRO660-03	6	54.032	59.435	0.65	0.75	38.64	324.00	0.000	0.000	2296.63	0.00	0.00
32	140.00	MT6407-77A	3	54.153	59.568	0.52	0.75	7.36	214.38	0.000	1.500	438.14	0.00	657.21
33	140.00	XXDWM-12.5-65-8TCBR	3	53.868	59.255	0.61	0.75	1.64	62.48	0.000	-2.000	97.30	0.00	-194.60
34	140.00	RF4439d 25A	3	54.032	59.435	0.38	0.75	5.16	201.69	0.000	0.000	306.91	0.00	0.00
35	140.00	RVZDC-6627-PF-48	1	54.032	59.435	0.38	0.75	1.52	28.80	0.000	0.000	90.49	0.00	0.00
36	140.00	RF4440d 13a	3	54.032	59.435	0.38	0.75	4.66	189.89	0.000	0.000	276.82	0.00	0.00
37	140.00	KA-6030	2	54.032	59.435	0.38	0.75	0.72	31.68	0.000	0.000	42.79	0.00	0.00
38	140.00	Platform w/Handrail	1	54.032	59.435	1.00	1.00	25.00	1350.00	0.000	0.000	1485.87	0.00	0.00
39	140.00	Mount Pipes	12	54.032	59.435	0.75	0.75	12.60	413.86	0.000	0.000	748.88	0.00	0.00
40	125.00	Commscope	1	52.758	58.034	0.67	0.67	22.93	1562.40	0.000	0.000	1330.95	0.00	0.00
41	125.00	Raycap	1	52.758	58.034	0.38	0.75	0.75	19.71	0.000	0.000	43.74	0.00	0.00
42	125.00	Fujitsu TA08025-B604	3	52.758	58.034	0.38	0.75	2.21	172.53	0.000	0.000	127.96	0.00	0.00
43	125.00	Fujitsu TA08025-B605	3	52.758	58.034	0.38	0.75	2.21	202.50	0.000	0.000	127.96	0.00	0.00
44	125.00	JMA Wireless	3	52.758	58.034	0.55	0.75	20.80	174.15	0.000	0.000	1206.86	0.00	0.00
45	30.00	GPS	1	39.067	42.973	1.00	1.00	1.00	9.00	0.000	0.000	42.97	0.00	0.00
<b>Totals:</b>								<b>12,803.22</b>		<b>25,797.81</b>				



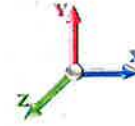
## Total Applied Force Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 34



**Load Case:** 0.9D + 1.0W 128 mph Wind

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



**Iterations** 31

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
2.00		388.59	672.83	0.00	0.00
4.00		385.53	668.18	0.00	0.00
6.00		382.47	663.54	0.00	0.00
8.00		379.41	658.89	0.00	0.00
10.00		376.34	654.25	0.00	0.00
12.00		373.28	649.61	0.00	0.00
14.00		370.22	644.96	0.00	0.00
16.00		371.69	640.32	0.00	0.00
18.00		377.84	635.67	0.00	0.00
20.00		383.07	631.03	0.00	0.00
22.00		387.52	626.38	0.00	0.00
24.00		391.30	621.74	0.00	0.00
26.00		394.52	617.09	0.00	0.00
28.00		397.24	612.45	0.00	0.00
30.00	(1) attachments	442.48	616.80	0.00	0.00
32.00		401.39	603.16	0.00	0.00
34.00		402.91	598.51	0.00	0.00
35.50		302.53	445.84	0.00	0.00
36.00		102.28	267.66	0.00	0.00
38.00		411.49	1065.03	0.00	0.00
40.00		412.20	1056.05	0.00	0.00
42.00		412.66	1047.07	0.00	0.00
43.00		205.92	520.17	0.00	0.00
44.00		205.96	274.76	0.00	0.00
46.00		412.89	546.28	0.00	0.00
48.00		412.70	541.94	0.00	0.00
50.00		412.32	537.61	0.00	0.00
52.00		411.77	533.27	0.00	0.00
54.00		411.05	528.94	0.00	0.00
56.00		410.17	524.60	0.00	0.00
58.00		409.15	520.27	0.00	0.00
60.00		407.98	515.93	0.00	0.00
62.00		406.69	511.60	0.00	0.00
64.00		405.26	507.26	0.00	0.00
66.00		403.72	502.93	0.00	0.00
68.00		402.06	498.59	0.00	0.00
70.00		400.29	494.26	0.00	0.00
72.00		398.42	489.92	0.00	0.00
74.00		396.44	485.59	0.00	0.00
74.50		98.58	120.72	0.00	0.00
76.00		300.19	617.62	0.00	0.00
78.00		398.67	816.45	0.00	0.00
80.00		396.45	808.40	0.00	0.00
81.00		197.11	401.18	0.00	0.00
82.00		196.52	209.49	0.00	0.00
84.00		391.75	416.19	0.00	0.00

## Total Applied Force Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



86.00		389.28	412.48	0.00	0.00
88.00		386.73	408.76	0.00	0.00
90.00		384.10	405.05	0.00	0.00
92.00		381.40	401.33	0.00	0.00
94.00		378.63	397.61	0.00	0.00
96.00		375.79	393.90	0.00	0.00
98.00		372.89	390.18	0.00	0.00
100.00		369.91	386.47	0.00	0.00
102.00		366.88	382.75	0.00	0.00
104.00		363.79	379.04	0.00	0.00
106.00		360.63	375.32	0.00	0.00
108.00		357.42	371.60	0.00	0.00
110.00		354.15	367.89	0.00	0.00
112.00		350.83	364.17	0.00	0.00
114.00		347.45	360.46	0.00	0.00
116.00		344.02	356.74	0.00	0.00
118.00		340.54	353.03	0.00	0.00
118.75		126.65	131.43	0.00	0.00
120.00		213.76	356.37	0.00	0.00
122.00		339.34	564.65	0.00	0.00
124.00		335.73	557.84	0.00	0.00
125.00	(11) attachments	3003.84	2282.01	0.00	0.00
126.00		165.44	149.05	0.00	0.00
128.00		328.38	295.78	0.00	0.00
130.00		324.63	292.68	0.00	0.00
132.00		320.84	289.59	0.00	0.00
134.00		317.01	286.49	0.00	0.00
136.00		313.14	283.39	0.00	0.00
138.00		309.22	280.30	0.00	0.00
140.00	(34) attachments	6089.10	3093.97	0.00	462.61
142.00		301.27	247.68	0.00	0.00
144.00		297.23	244.58	0.00	0.00
146.00		293.16	241.49	0.00	0.00
148.00		289.05	238.39	0.00	0.00
150.00	(43) attachments	5506.44	3046.12	0.00	0.00
152.00		280.72	205.11	0.00	0.00
154.00		276.50	202.01	0.00	0.00
154.75		102.50	74.96	0.00	0.00
156.00		171.90	187.30	0.00	0.00
158.00		271.70	295.66	0.00	0.00
159.00		134.14	145.97	0.00	0.00
160.00		133.06	65.01	0.00	0.00
162.00		263.04	128.62	0.00	0.00
164.00		258.66	126.76	0.00	0.00
166.00		254.24	124.91	0.00	0.00
167.00	(31) attachments	6358.16	2866.67	0.00	0.00
168.00		124.26	48.60	0.00	0.00
170.00		245.32	95.81	0.00	0.00
172.00		240.82	93.95	0.00	0.00
174.00		236.28	92.10	0.00	0.00
176.00		231.71	90.24	0.00	0.00
178.00		227.12	88.38	0.00	0.00
180.00		222.49	86.52	0.00	0.00
182.00		217.84	84.66	0.00	0.00
184.00		213.15	82.81	0.00	0.00
186.00		208.44	80.95	0.00	0.00
188.00		203.71	79.09	0.00	0.00

## Total Applied Force Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023	
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C		
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00		
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil		
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II	Page: 36



190.00		198.94	77.23	0.00	0.00
192.00		194.15	75.37	0.00	0.00
194.00		189.33	73.52	0.00	0.00
195.00	(35) attachments	5747.76	2260.63	0.00	0.00
196.00	(1) attachments	115.83	39.07	0.00	0.00
	<b>Totals:</b>	<b>59,159.48</b>	<b>53,881.52</b>	<b>0.00</b>	<b>462.61</b>

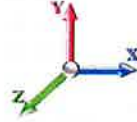
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 37



**Load Case:** 0.9D + 1.0W 128 mph Wind

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



**Iterations** 31

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)
2.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.030	0.000	33.807	0.00	0.49
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.030	0.000	33.807	0.00	1.87
2.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.030	0.000	33.807	0.00	22.46
2.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.030	0.000	33.807	0.00	3.96
4.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	0.49
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	1.87
4.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	22.46
4.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.031	0.000	33.807	0.00	3.96
6.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	0.49
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	1.87
6.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	22.46
6.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.031	0.000	33.807	0.00	3.96
8.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	0.49
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	1.87
8.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	22.46
8.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.031	0.000	33.807	0.00	3.96
10.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	0.49
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	1.87
10.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	33.807	0.00	22.46
10.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.031	0.000	33.807	0.00	3.96
12.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	33.807	0.00	0.49
12.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	33.807	0.00	1.87
12.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	33.807	0.00	22.46
12.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.032	0.000	33.807	0.00	3.96
14.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	33.807	0.00	0.49
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	33.807	0.00	1.87
14.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	33.807	0.00	22.46
14.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.032	0.000	33.807	0.00	3.96
16.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	34.224	0.00	0.49
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	34.224	0.00	1.87
16.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	34.224	0.00	22.46
16.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.032	0.000	34.224	0.00	3.96
18.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	35.083	0.00	0.49
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	35.083	0.00	1.87
18.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	35.083	0.00	22.46
18.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.032	0.000	35.083	0.00	3.96
20.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	35.870	0.00	0.49
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	35.870	0.00	1.87
20.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	35.870	0.00	22.46
20.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.033	0.000	35.870	0.00	3.96
22.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	36.597	0.00	0.49
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	36.597	0.00	1.87
22.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	36.597	0.00	22.46
22.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.033	0.000	36.597	0.00	3.96
24.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	37.274	0.00	0.49
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	37.274	0.00	1.87
24.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	37.274	0.00	22.46

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 38



**Load Case:** 0.9D + 1.0W 128 mph Wind

**Iterations** 31

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



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)
24.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.033	0.000	37.274	0.00	3.96
26.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	37.907	0.00	0.49
26.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	37.907	0.00	1.87
26.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	37.907	0.00	22.46
26.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.033	0.000	37.907	0.00	3.96
28.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	38.503	0.00	0.49
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	38.503	0.00	1.87
28.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	38.503	0.00	22.46
28.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.034	0.000	38.503	0.00	3.96
30.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	39.067	0.00	0.49
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	39.067	0.00	1.87
30.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	39.067	0.00	22.46
30.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.034	0.000	39.067	0.00	3.96
32.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	39.601	0.00	0.49
32.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	39.601	0.00	1.87
32.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	39.601	0.00	22.46
32.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.034	0.000	39.601	0.00	3.96
34.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	40.110	0.00	0.49
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	40.110	0.00	1.87
34.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	40.110	0.00	22.46
34.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.035	0.000	40.110	0.00	3.96
35.50	Safety Cable	Yes	1.50	0.000	0.00	0.00	0.00	0.035	0.000	40.476	0.00	0.37
35.50	Step bolts (ladder)	Yes	1.50	0.000	0.00	0.00	0.00	0.035	0.000	40.476	0.00	1.40
35.50	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.035	0.000	40.476	0.00	16.85
35.50	1 5/8" Hybrid	Yes	1.50	0.000	2.00	0.25	0.00	0.035	0.000	40.476	0.00	2.97
36.00	Safety Cable	Yes	0.50	0.000	0.00	0.00	0.00	0.035	0.000	40.595	0.00	0.12
36.00	Step bolts (ladder)	Yes	0.50	0.000	0.00	0.00	0.00	0.035	0.000	40.595	0.00	0.47
36.00	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.035	0.000	40.595	0.00	5.62
36.00	1 5/8" Hybrid	Yes	0.50	0.000	2.00	0.08	0.00	0.035	0.000	40.595	0.00	0.99
38.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	41.060	0.00	0.49
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	41.060	0.00	1.87
38.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	41.060	0.00	22.46
38.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.035	0.000	41.060	0.00	3.96
40.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	41.506	0.00	0.49
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	41.506	0.00	1.87
40.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	41.506	0.00	22.46
40.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.036	0.000	41.506	0.00	3.96
42.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	41.934	0.00	0.49
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	41.934	0.00	1.87
42.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	41.934	0.00	22.46
42.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.036	0.000	41.934	0.00	3.96
43.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	42.143	0.00	0.25
43.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	42.143	0.00	0.94
43.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	42.143	0.00	11.23
43.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.036	0.000	42.143	0.00	1.98
44.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	42.347	0.00	0.25
44.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	42.347	0.00	0.94

## Linear Appurtenance Segment Forces (Factored)

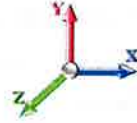
<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



Page: 39

**Load Case:** 0.9D + 1.0W 128 mph Wind

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



**Iterations** 31

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)
44.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	42.347	0.00	11.23
44.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.036	0.000	42.347	0.00	1.98
46.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	42.745	0.00	0.49
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	42.745	0.00	1.87
46.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	42.745	0.00	22.46
46.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.036	0.000	42.745	0.00	3.96
48.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	43.130	0.00	0.49
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	43.130	0.00	1.87
48.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	43.130	0.00	22.46
48.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.036	0.000	43.130	0.00	3.96
50.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	43.502	0.00	0.49
50.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	43.502	0.00	1.87
50.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	43.502	0.00	22.46
50.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.037	0.000	43.502	0.00	3.96
52.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	43.863	0.00	0.49
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	43.863	0.00	1.87
52.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	43.863	0.00	22.46
52.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.037	0.000	43.863	0.00	3.96
54.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	44.213	0.00	0.49
54.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	44.213	0.00	1.87
54.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	44.213	0.00	22.46
54.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.037	0.000	44.213	0.00	3.96
56.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	44.553	0.00	0.49
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	44.553	0.00	1.87
56.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	44.553	0.00	22.46
56.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.038	0.000	44.553	0.00	3.96
58.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	44.883	0.00	0.49
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	44.883	0.00	1.87
58.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	44.883	0.00	22.46
58.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.038	0.000	44.883	0.00	3.96
60.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.204	0.00	0.49
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.204	0.00	1.87
60.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.204	0.00	22.46
60.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.039	0.000	45.204	0.00	3.96
62.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.518	0.00	0.49
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.518	0.00	1.87
62.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.518	0.00	22.46
62.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.039	0.000	45.518	0.00	3.96
64.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.823	0.00	0.49
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.823	0.00	1.87
64.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	45.823	0.00	22.46
64.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.039	0.000	45.823	0.00	3.96
66.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	46.121	0.00	0.49
66.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	46.121	0.00	1.87
66.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	46.121	0.00	22.46
66.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.040	0.000	46.121	0.00	3.96
68.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	46.411	0.00	0.49

## Linear Appurtenance Segment Forces (Factored)

Structure: CT00595-S	Code: TIA-222-H	8/2/2023
Site Name: Stonington East	Exposure: C	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Struct Class: II	Page: 40
Topography: 1		



Load Case: 0.9D + 1.0W 128 mph Wind

Dead Load Factor 0.90  
Wind Load Factor 1.00



Iterations 31

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)
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	46.411	0.00	1.87
68.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	46.411	0.00	22.46
68.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.040	0.000	46.411	0.00	3.96
70.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	46.695	0.00	0.49
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	46.695	0.00	1.87
70.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	46.695	0.00	22.46
70.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.041	0.000	46.695	0.00	3.96
72.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	46.973	0.00	0.49
72.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	46.973	0.00	1.87
72.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	46.973	0.00	22.46
72.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.041	0.000	46.973	0.00	3.96
74.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	47.245	0.00	0.49
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	47.245	0.00	1.87
74.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	47.245	0.00	22.46
74.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.042	0.000	47.245	0.00	3.96
74.50	Safety Cable	Yes	0.50	0.000	0.00	0.00	0.00	0.042	0.000	47.312	0.00	0.12
74.50	Step bolts (ladder)	Yes	0.50	0.000	0.00	0.00	0.00	0.042	0.000	47.312	0.00	0.47
74.50	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.042	0.000	47.312	0.00	5.62
74.50	1 5/8" Hybrid	Yes	0.50	0.000	2.00	0.08	0.00	0.042	0.000	47.312	0.00	0.99
76.00	Safety Cable	Yes	1.50	0.000	0.00	0.00	0.00	0.042	0.000	47.511	0.00	0.37
76.00	Step bolts (ladder)	Yes	1.50	0.000	0.00	0.00	0.00	0.042	0.000	47.511	0.00	1.40
76.00	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.042	0.000	47.511	0.00	16.85
76.00	1 5/8" Hybrid	Yes	1.50	0.000	2.00	0.25	0.00	0.042	0.000	47.511	0.00	2.97
78.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	47.771	0.00	0.49
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	47.771	0.00	1.87
78.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	47.771	0.00	22.46
78.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.042	0.000	47.771	0.00	3.96
80.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	48.027	0.00	0.49
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	48.027	0.00	1.87
80.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	48.027	0.00	22.46
80.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.043	0.000	48.027	0.00	3.96
81.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	48.153	0.00	0.25
81.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	48.153	0.00	0.94
81.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	48.153	0.00	11.23
81.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.043	0.000	48.153	0.00	1.98
82.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	48.277	0.00	0.25
82.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	48.277	0.00	0.94
82.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	48.277	0.00	11.23
82.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.043	0.000	48.277	0.00	1.98
84.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	48.523	0.00	0.49
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	48.523	0.00	1.87
84.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	48.523	0.00	22.46
84.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.043	0.000	48.523	0.00	3.96
86.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	48.764	0.00	0.49
86.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	48.764	0.00	1.87
86.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	48.764	0.00	22.46
86.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.044	0.000	48.764	0.00	3.96

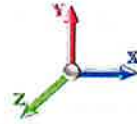
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 41



**Load Case:** 0.9D + 1.0W 128 mph Wind

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



**Iterations** 31

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)
88.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	49.000	0.00	0.49
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	49.000	0.00	1.87
88.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	49.000	0.00	22.46
88.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.044	0.000	49.000	0.00	3.96
90.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	49.233	0.00	0.49
90.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	49.233	0.00	1.87
90.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	49.233	0.00	22.46
90.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.045	0.000	49.233	0.00	3.96
92.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	49.461	0.00	0.49
92.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	49.461	0.00	1.87
92.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	49.461	0.00	22.46
92.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.045	0.000	49.461	0.00	3.96
94.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	49.685	0.00	0.49
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	49.685	0.00	1.87
94.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	49.685	0.00	22.46
94.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.046	0.000	49.685	0.00	3.96
96.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	49.906	0.00	0.49
96.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	49.906	0.00	1.87
96.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	49.906	0.00	22.46
96.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.046	0.000	49.906	0.00	3.96
98.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.123	0.00	0.49
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.123	0.00	1.87
98.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.123	0.00	22.46
98.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	50.123	0.00	3.96
100.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.337	0.00	0.49
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.337	0.00	1.87
100.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	50.337	0.00	22.46
100.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	50.337	0.00	3.96
102.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	50.547	0.00	0.49
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	50.547	0.00	1.87
102.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	50.547	0.00	22.46
102.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.086	0.000	50.547	0.00	3.96
102.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.086	0.000	50.547	0.00	1.80
104.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	50.754	0.00	0.49
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	50.754	0.00	1.87
104.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	50.754	0.00	22.46
104.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.087	0.000	50.754	0.00	3.96
104.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.087	0.000	50.754	0.00	1.80
106.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	50.958	0.00	0.49
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	50.958	0.00	1.87
106.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	50.958	0.00	22.46
106.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.089	0.000	50.958	0.00	3.96
106.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.089	0.000	50.958	0.00	1.80
108.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	51.159	0.00	0.49
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	51.159	0.00	1.87
108.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	51.159	0.00	22.46
108.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.090	0.000	51.159	0.00	3.96



## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



**Load Case:** 0.9D + 1.0W 128 mph Wind

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



**Iterations** 31

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)
108.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.090	0.000	51.159	0.00	1.80
110.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	51.357	0.00	0.49
110.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	51.357	0.00	1.87
110.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	51.357	0.00	22.46
110.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.091	0.000	51.357	0.00	3.96
110.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.091	0.000	51.357	0.00	1.80
112.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	51.552	0.00	0.49
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	51.552	0.00	1.87
112.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	51.552	0.00	22.46
112.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.092	0.000	51.552	0.00	3.96
112.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.092	0.000	51.552	0.00	1.80
114.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	51.745	0.00	0.49
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	51.745	0.00	1.87
114.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	51.745	0.00	22.46
114.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.093	0.000	51.745	0.00	3.96
114.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.093	0.000	51.745	0.00	1.80
116.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	51.934	0.00	0.49
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	51.934	0.00	1.87
116.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	51.934	0.00	22.46
116.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.095	0.000	51.934	0.00	3.96
116.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.095	0.000	51.934	0.00	1.80
118.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	52.122	0.00	0.49
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	52.122	0.00	1.87
118.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	52.122	0.00	22.46
118.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.096	0.000	52.122	0.00	3.96
118.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.096	0.000	52.122	0.00	1.80
118.75	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.097	0.000	52.191	0.00	0.18
118.75	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.097	0.000	52.191	0.00	0.70
118.75	1 5/8" Coax	Yes	0.75	0.000	0.00	0.00	0.00	0.097	0.000	52.191	0.00	8.42
118.75	1 5/8" Hybrid	Yes	0.75	0.000	2.00	0.13	0.00	0.097	0.000	52.191	0.00	1.49
118.75	1.6" Hybrid	Yes	0.75	0.000	1.60	0.10	0.00	0.097	0.000	52.191	0.00	0.68
120.00	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.098	0.000	52.306	0.00	0.31
120.00	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.098	0.000	52.306	0.00	1.17
120.00	1 5/8" Coax	Yes	1.25	0.000	0.00	0.00	0.00	0.098	0.000	52.306	0.00	14.04
120.00	1 5/8" Hybrid	Yes	1.25	0.000	2.00	0.21	0.00	0.098	0.000	52.306	0.00	2.48
120.00	1.6" Hybrid	Yes	1.25	0.000	1.60	0.17	0.00	0.098	0.000	52.306	0.00	1.13
122.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	52.489	0.00	0.49
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	52.489	0.00	1.87
122.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	52.489	0.00	22.46
122.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.099	0.000	52.489	0.00	3.96
122.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.099	0.000	52.489	0.00	1.80
124.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	52.669	0.00	0.49
124.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	52.669	0.00	1.87
124.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	52.669	0.00	22.46
124.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.100	0.000	52.669	0.00	3.96
124.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.100	0.000	52.669	0.00	1.80
125.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.099	0.000	52.758	0.00	0.25

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 43



**Load Case:** 0.9D + 1.0W 128 mph Wind

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



**Iterations** 31

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
125.00	Step bolts (ladder)	Yes	1.00	0.00	0.00	0.00	0.099	0.000	52.758	0.00	0.94
125.00	1 5/8" Coax	Yes	1.00	0.00	0.00	0.00	0.099	0.000	52.758	0.00	11.23
125.00	1 5/8" Hybrid	Yes	1.00	2.00	0.17	0.00	0.099	0.000	52.758	0.00	1.98
125.00	1.6" Hybrid	Yes	1.00	1.60	0.13	0.00	0.099	0.000	52.758	0.00	0.90
126.00	Safety Cable	Yes	1.00	0.00	0.00	0.00	0.056	0.000	52.846	0.00	0.25
126.00	Step bolts (ladder)	Yes	1.00	0.00	0.00	0.00	0.056	0.000	52.846	0.00	0.94
126.00	1 5/8" Coax	Yes	1.00	0.00	0.00	0.00	0.056	0.000	52.846	0.00	11.23
126.00	1 5/8" Hybrid	Yes	1.00	2.00	0.17	0.00	0.056	0.000	52.846	0.00	1.98
128.00	Safety Cable	Yes	2.00	0.00	0.00	0.00	0.056	0.000	53.022	0.00	0.49
128.00	Step bolts (ladder)	Yes	2.00	0.00	0.00	0.00	0.056	0.000	53.022	0.00	1.87
128.00	1 5/8" Coax	Yes	2.00	0.00	0.00	0.00	0.056	0.000	53.022	0.00	22.46
128.00	1 5/8" Hybrid	Yes	2.00	2.00	0.33	0.00	0.056	0.000	53.022	0.00	3.96
130.00	Safety Cable	Yes	2.00	0.00	0.00	0.00	0.057	0.000	53.195	0.00	0.49
130.00	Step bolts (ladder)	Yes	2.00	0.00	0.00	0.00	0.057	0.000	53.195	0.00	1.87
130.00	1 5/8" Coax	Yes	2.00	0.00	0.00	0.00	0.057	0.000	53.195	0.00	22.46
130.00	1 5/8" Hybrid	Yes	2.00	2.00	0.33	0.00	0.057	0.000	53.195	0.00	3.96
132.00	Safety Cable	Yes	2.00	0.00	0.00	0.00	0.058	0.000	53.367	0.00	0.49
132.00	Step bolts (ladder)	Yes	2.00	0.00	0.00	0.00	0.058	0.000	53.367	0.00	1.87
132.00	1 5/8" Coax	Yes	2.00	0.00	0.00	0.00	0.058	0.000	53.367	0.00	22.46
132.00	1 5/8" Hybrid	Yes	2.00	2.00	0.33	0.00	0.058	0.000	53.367	0.00	3.96
134.00	Safety Cable	Yes	2.00	0.00	0.00	0.00	0.059	0.000	53.536	0.00	0.49
134.00	Step bolts (ladder)	Yes	2.00	0.00	0.00	0.00	0.059	0.000	53.536	0.00	1.87
134.00	1 5/8" Coax	Yes	2.00	0.00	0.00	0.00	0.059	0.000	53.536	0.00	22.46
134.00	1 5/8" Hybrid	Yes	2.00	2.00	0.33	0.00	0.059	0.000	53.536	0.00	3.96
136.00	Safety Cable	Yes	2.00	0.00	0.00	0.00	0.060	0.000	53.703	0.00	0.49
136.00	Step bolts (ladder)	Yes	2.00	0.00	0.00	0.00	0.060	0.000	53.703	0.00	1.87
136.00	1 5/8" Coax	Yes	2.00	0.00	0.00	0.00	0.060	0.000	53.703	0.00	22.46
136.00	1 5/8" Hybrid	Yes	2.00	2.00	0.33	0.00	0.060	0.000	53.703	0.00	3.96
138.00	Safety Cable	Yes	2.00	0.00	0.00	0.00	0.061	0.000	53.868	0.00	0.49
138.00	Step bolts (ladder)	Yes	2.00	0.00	0.00	0.00	0.061	0.000	53.868	0.00	1.87
138.00	1 5/8" Coax	Yes	2.00	0.00	0.00	0.00	0.061	0.000	53.868	0.00	22.46
138.00	1 5/8" Hybrid	Yes	2.00	2.00	0.33	0.00	0.061	0.000	53.868	0.00	3.96
140.00	Safety Cable	Yes	2.00	0.00	0.00	0.00	0.062	0.000	54.032	0.00	0.49
140.00	Step bolts (ladder)	Yes	2.00	0.00	0.00	0.00	0.062	0.000	54.032	0.00	1.87
140.00	1 5/8" Coax	Yes	2.00	0.00	0.00	0.00	0.062	0.000	54.032	0.00	22.46
140.00	1 5/8" Hybrid	Yes	2.00	2.00	0.33	0.00	0.062	0.000	54.032	0.00	3.96
142.00	Safety Cable	Yes	2.00	0.00	0.00	0.00	0.000	0.000	54.193	0.00	0.49
142.00	Step bolts (ladder)	Yes	2.00	0.00	0.00	0.00	0.000	0.000	54.193	0.00	1.87
144.00	Safety Cable	Yes	2.00	0.00	0.00	0.00	0.000	0.000	54.353	0.00	0.49
144.00	Step bolts (ladder)	Yes	2.00	0.00	0.00	0.00	0.000	0.000	54.353	0.00	1.87
146.00	Safety Cable	Yes	2.00	0.00	0.00	0.00	0.000	0.000	54.511	0.00	0.49
146.00	Step bolts (ladder)	Yes	2.00	0.00	0.00	0.00	0.000	0.000	54.511	0.00	1.87
148.00	Safety Cable	Yes	2.00	0.00	0.00	0.00	0.000	0.000	54.668	0.00	0.49
148.00	Step bolts (ladder)	Yes	2.00	0.00	0.00	0.00	0.000	0.000	54.668	0.00	1.87
150.00	Safety Cable	Yes	2.00	0.00	0.00	0.00	0.000	0.000	54.822	0.00	0.49
150.00	Step bolts (ladder)	Yes	2.00	0.00	0.00	0.00	0.000	0.000	54.822	0.00	1.87
152.00	Safety Cable	Yes	2.00	0.00	0.00	0.00	0.000	0.000	54.975	0.00	0.49

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



Page: 44

**Load Case:** 0.9D + 1.0W 128 mph Wind

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



**Iterations** 31

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)
152.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	54.975	0.00	1.87
154.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.127	0.00	0.49
154.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.127	0.00	1.87
154.75	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	55.183	0.00	0.18
154.75	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	55.183	0.00	0.70
156.00	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	55.277	0.00	0.31
156.00	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	55.277	0.00	1.17
158.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.425	0.00	0.49
158.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.425	0.00	1.87
158.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.425	0.00	1.87
159.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	55.499	0.00	0.25
159.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	55.499	0.00	0.94
160.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	55.572	0.00	0.25
160.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	55.572	0.00	0.94
162.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.718	0.00	0.49
162.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.718	0.00	1.87
164.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.862	0.00	0.49
164.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.862	0.00	1.87
164.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	55.862	0.00	1.87
166.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.005	0.00	0.49
166.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.005	0.00	1.87
167.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	56.076	0.00	0.25
167.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	56.076	0.00	0.94
168.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	56.146	0.00	0.25
168.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	56.146	0.00	0.94
170.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.286	0.00	0.49
170.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.286	0.00	1.87
172.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.425	0.00	0.49
172.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.425	0.00	1.87
172.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.562	0.00	0.49
174.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.562	0.00	1.87
174.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.562	0.00	1.87
176.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.699	0.00	0.49
176.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.699	0.00	1.87
178.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.834	0.00	0.49
178.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.834	0.00	1.87
180.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.967	0.00	0.49
180.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	56.967	0.00	1.87
182.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.100	0.00	0.49
182.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.100	0.00	1.87
182.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.100	0.00	1.87
184.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.232	0.00	0.49
184.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.232	0.00	1.87
184.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.232	0.00	1.87
186.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.362	0.00	0.49
186.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.362	0.00	1.87
186.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.362	0.00	1.87
188.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.491	0.00	0.49
188.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.491	0.00	1.87
188.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.491	0.00	1.87
190.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.620	0.00	0.49
190.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.620	0.00	1.87
190.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.620	0.00	1.87
192.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.747	0.00	0.49
192.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.747	0.00	1.87

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 45



**Load Case:** 0.9D + 1.0W 128 mph Wind

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



**Iterations** 31

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)
194.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.873	0.00	0.49
194.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	57.873	0.00	1.87
195.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	57.936	0.00	0.25
195.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	57.936	0.00	0.94
196.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	57.998	0.00	0.25
196.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	57.998	0.00	0.94
<b>Totals:</b>											<b>0.0</b>	<b>2,103.8</b>





## Calculated Forces

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	Page: 48
<b>Struct Class:</b> II		



192.00	-1.30	-6.37	0.00	-19.03	0.00	19.03	775.47	192.92	292.71	287.17	199.08	-9.902	0.000	0.069
194.00	-1.26	-6.17	0.00	-6.29	0.00	6.29	761.60	187.60	276.78	274.17	203.22	-9.918	0.000	0.026
195.00	-0.02	-0.12	0.00	-0.12	0.00	0.12	754.51	184.94	268.98	267.73	205.28	-9.920	0.000	0.000
196.00	0.00	-0.12	0.00	0.00	0.00	0.00	747.31	182.27	261.30	261.31	207.35	-9.920	0.000	0.000

## Wind Loading - Shaft

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	<b>8/2/2023</b>
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		<b>Page:</b> 49



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

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



**Iterations** 29

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	5.158	5.67	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	5.158	5.67	0.00	1.200	0.756	2.00	11.251	13.50	76.6	125.8	905.8
4.00		1.00	0.85	5.158	5.67	0.00	1.200	0.810	2.00	11.183	13.42	76.1	133.9	907.7
6.00		1.00	0.85	5.158	5.67	0.00	1.200	0.843	2.00	11.107	13.33	75.6	138.4	906.1
8.00		1.00	0.85	5.158	5.67	0.00	1.200	0.868	2.00	11.029	13.23	75.1	141.4	902.8
10.00		1.00	0.85	5.158	5.67	0.00	1.200	0.887	2.00	10.949	13.14	74.6	143.5	898.7
12.00		1.00	0.85	5.158	5.67	0.00	1.200	0.904	2.00	10.867	13.04	74.0	145.0	894.0
14.00		1.00	0.85	5.158	5.67	0.00	1.200	0.918	2.00	10.785	12.94	73.4	146.0	888.9
16.00		1.00	0.86	5.222	5.74	0.00	1.200	0.930	2.00	10.703	12.84	73.8	146.8	883.5
18.00		1.00	0.88	5.353	5.89	0.00	1.200	0.941	2.00	10.620	12.74	75.0	147.4	877.8
20.00		1.00	0.90	5.473	6.02	0.00	1.200	0.951	2.00	10.536	12.64	76.1	147.7	872.0
22.00		1.00	0.92	5.584	6.14	0.00	1.200	0.960	2.00	10.453	12.54	77.1	147.9	866.0
24.00		1.00	0.94	5.688	6.26	0.00	1.200	0.969	2.00	10.369	12.44	77.8	147.9	859.9
26.00		1.00	0.95	5.784	6.36	0.00	1.200	0.976	2.00	10.285	12.34	78.5	147.9	853.6
28.00		1.00	0.97	5.875	6.46	0.00	1.200	0.984	2.00	10.201	12.24	79.1	147.7	847.2
30.00	Appurtenance(s)	1.00	0.98	5.961	6.56	0.00	1.200	0.991	2.00	10.116	12.14	79.6	147.5	840.8
32.00		1.00	1.00	6.043	6.65	0.00	1.200	0.997	2.00	10.032	12.04	80.0	147.1	834.3
34.00		1.00	1.01	6.120	6.73	0.00	1.200	1.003	2.00	9.947	11.94	80.4	146.7	827.7
35.50	Bot - Section 2	1.00	1.02	6.176	6.79	0.00	1.200	1.007	1.50	7.404	8.89	60.4	109.8	616.4
36.00		1.00	1.02	6.194	6.81	0.00	1.200	1.009	0.50	2.495	2.99	20.4	37.1	364.8
38.00		1.00	1.03	6.265	6.89	0.00	1.200	1.014	2.00	9.928	11.91	82.1	148.1	1451.0
40.00		1.00	1.04	6.333	6.97	0.00	1.200	1.019	2.00	9.843	11.81	82.3	147.5	1438.5
42.00		1.00	1.05	6.399	7.04	0.00	1.200	1.024	2.00	9.758	11.71	82.4	146.9	1425.9
43.00	Top - Section 1	1.00	1.06	6.430	7.07	0.00	1.200	1.027	1.00	4.847	5.82	41.1	73.3	708.3
44.00		1.00	1.06	6.462	7.11	0.00	1.200	1.029	1.00	4.826	5.79	41.2	73.1	381.0
46.00		1.00	1.07	6.522	7.17	0.00	1.200	1.034	2.00	9.588	11.51	82.5	145.6	756.9
48.00		1.00	1.08	6.581	7.24	0.00	1.200	1.038	2.00	9.503	11.40	82.6	144.9	750.4
50.00		1.00	1.09	6.638	7.30	0.00	1.200	1.042	2.00	9.418	11.30	82.5	144.1	743.8
52.00		1.00	1.10	6.693	7.36	0.00	1.200	1.047	2.00	9.332	11.20	82.4	143.3	737.3
54.00		1.00	1.11	6.746	7.42	0.00	1.200	1.050	2.00	9.247	11.10	82.3	142.5	730.7
56.00		1.00	1.12	6.798	7.48	0.00	1.200	1.054	2.00	9.161	10.99	82.2	141.7	724.1
58.00		1.00	1.13	6.849	7.53	0.00	1.200	1.058	2.00	9.076	10.89	82.0	140.8	717.4
60.00		1.00	1.14	6.898	7.59	0.00	1.200	1.062	2.00	8.991	10.79	81.9	139.9	710.7
62.00		1.00	1.14	6.945	7.64	0.00	1.200	1.065	2.00	8.905	10.69	81.6	139.0	704.0
64.00		1.00	1.15	6.992	7.69	0.00	1.200	1.068	2.00	8.819	10.58	81.4	138.0	697.3
66.00		1.00	1.16	7.037	7.74	0.00	1.200	1.072	2.00	8.734	10.48	81.1	137.1	690.6
68.00		1.00	1.17	7.082	7.79	0.00	1.200	1.075	2.00	8.648	10.38	80.8	136.1	683.8
70.00		1.00	1.17	7.125	7.84	0.00	1.200	1.078	2.00	8.563	10.28	80.5	135.1	677.0
72.00		1.00	1.18	7.168	7.88	0.00	1.200	1.081	2.00	8.477	10.17	80.2	134.1	670.2
74.00		1.00	1.19	7.209	7.93	0.00	1.200	1.084	2.00	8.391	10.07	79.8	133.0	663.4
74.50	Bot - Section 3	1.00	1.19	7.219	7.94	0.00	1.200	1.085	0.50	2.084	2.50	19.9	33.2	164.9
76.00		1.00	1.19	7.250	7.97	0.00	1.200	1.087	1.50	6.318	7.58	60.5	100.6	836.3
78.00		1.00	1.20	7.289	8.02	0.00	1.200	1.090	2.00	8.349	10.02	80.3	133.0	1104.6
80.00		1.00	1.21	7.328	8.06	0.00	1.200	1.093	2.00	8.263	9.92	79.9	132.0	1092.8
81.00	Top - Section 2	1.00	1.21	7.347	8.08	0.00	1.200	1.094	1.00	4.099	4.92	39.8	65.7	542.1
82.00		1.00	1.21	7.366	8.10	0.00	1.200	1.095	1.00	4.078	4.89	39.7	65.4	286.2
84.00		1.00	1.22	7.404	8.14	0.00	1.200	1.098	2.00	8.092	9.71	79.1	129.8	567.6



## Wind Loading - Shaft

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)  
**Gh:** 1.1

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

8/2/2023



Page: 50

Height (ft)	Topography	1	2	3	4	5	6	7	8	9	10	11	12
86.00	1.00	1.23	7.441	8.18	0.00	1.200	1.101	2.00	8.006	9.61	78.6	128.6	561.5
88.00	1.00	1.23	7.477	8.22	0.00	1.200	1.103	2.00	7.920	9.50	78.2	127.5	555.4
90.00	1.00	1.24	7.512	8.26	0.00	1.200	1.106	2.00	7.834	9.40	77.7	126.4	549.3
92.00	1.00	1.24	7.547	8.30	0.00	1.200	1.108	2.00	7.748	9.30	77.2	125.2	543.2
94.00	1.00	1.25	7.581	8.34	0.00	1.200	1.110	2.00	7.663	9.20	76.7	124.0	537.1
96.00	1.00	1.25	7.615	8.38	0.00	1.200	1.113	2.00	7.577	9.09	76.2	122.9	531.0
98.00	1.00	1.26	7.648	8.41	0.00	1.200	1.115	2.00	7.491	8.99	75.6	121.7	524.8
100.00	1.00	1.27	7.681	8.45	0.00	1.200	1.117	2.00	7.405	8.89	75.1	120.5	518.7
102.00	1.00	1.27	7.713	8.48	0.00	1.200	1.119	2.00	7.319	8.78	74.5	119.2	512.5
104.00	1.00	1.28	7.744	8.52	0.00	1.200	1.122	2.00	7.233	8.68	73.9	118.0	506.3
106.00	1.00	1.28	7.776	8.55	0.00	1.200	1.124	2.00	7.147	8.58	73.4	116.8	500.1
108.00	1.00	1.29	7.806	8.59	0.00	1.200	1.126	2.00	7.061	8.47	72.8	115.5	493.9
110.00	1.00	1.29	7.836	8.62	0.00	1.200	1.128	2.00	6.975	8.37	72.1	114.3	487.7
112.00	1.00	1.30	7.866	8.65	0.00	1.200	1.130	2.00	6.889	8.27	71.5	113.0	481.5
114.00	1.00	1.30	7.896	8.69	0.00	1.200	1.132	2.00	6.803	8.16	70.9	111.8	475.3
116.00	1.00	1.31	7.925	8.72	0.00	1.200	1.134	2.00	6.717	8.06	70.3	110.5	469.1
118.00	1.00	1.31	7.953	8.75	0.00	1.200	1.136	2.00	6.631	7.96	69.6	109.2	462.8
118.75 Bot - Section 4	1.00	1.31	7.964	8.76	0.00	1.200	1.137	0.75	2.464	2.96	25.9	40.8	172.1
120.00	1.00	1.32	7.981	8.78	0.00	1.200	1.138	1.25	4.148	4.98	43.7	68.6	470.6
122.00	1.00	1.32	8.009	8.81	0.00	1.200	1.140	2.00	6.567	7.88	69.4	108.5	744.3
124.00 Top - Section 3	1.00	1.32	8.037	8.84	0.00	1.200	1.142	2.00	6.480	7.78	68.7	107.2	733.9
125.00 Appurtenance(s)	1.00	1.33	8.050	8.86	0.00	1.200	1.142	1.00	3.208	3.85	34.1	53.3	195.7
126.00	1.00	1.33	8.064	8.87	0.00	1.200	1.143	1.00	3.186	3.82	33.9	52.9	194.3
128.00	1.00	1.33	8.091	8.90	0.00	1.200	1.145	2.00	6.308	7.57	67.4	104.5	384.2
130.00	1.00	1.34	8.117	8.93	0.00	1.200	1.147	2.00	6.222	7.47	66.7	103.2	378.8
132.00	1.00	1.34	8.143	8.96	0.00	1.200	1.149	2.00	6.136	7.36	66.0	101.9	373.3
134.00	1.00	1.35	8.169	8.99	0.00	1.200	1.150	2.00	6.050	7.26	65.2	100.5	367.8
136.00	1.00	1.35	8.194	9.01	0.00	1.200	1.152	2.00	5.964	7.16	64.5	99.2	362.4
138.00	1.00	1.35	8.220	9.04	0.00	1.200	1.154	2.00	5.878	7.05	63.8	97.8	356.9
140.00 Appurtenance(s)	1.00	1.36	8.245	9.07	0.00	1.200	1.155	2.00	5.792	6.95	63.0	96.5	351.4
142.00	1.00	1.36	8.269	9.10	0.00	1.200	1.157	2.00	5.705	6.85	62.3	95.1	345.9
144.00	1.00	1.37	8.294	9.12	0.00	1.200	1.159	2.00	5.619	6.74	61.5	93.7	340.4
146.00	1.00	1.37	8.318	9.15	0.00	1.200	1.160	2.00	5.533	6.64	60.8	92.3	334.9
148.00	1.00	1.37	8.342	9.18	0.00	1.200	1.162	2.00	5.447	6.54	60.0	91.0	329.4
150.00 Appurtenance(s)	1.00	1.38	8.365	9.20	0.00	1.200	1.163	2.00	5.361	6.43	59.2	89.6	323.9
152.00	1.00	1.38	8.389	9.23	0.00	1.200	1.165	2.00	5.275	6.33	58.4	88.2	318.3
154.00	1.00	1.39	8.412	9.25	0.00	1.200	1.167	2.00	5.188	6.23	57.6	86.8	312.8
154.75 Bot - Section 5	1.00	1.39	8.420	9.26	0.00	1.200	1.167	0.75	1.923	2.31	21.4	32.3	116.0
156.00	1.00	1.39	8.435	9.28	0.00	1.200	1.168	1.25	3.219	3.86	35.8	54.1	276.7
158.00	1.00	1.39	8.457	9.30	0.00	1.200	1.170	2.00	5.081	6.10	56.7	85.1	436.0
159.00 Top - Section 4	1.00	1.40	8.468	9.32	0.00	1.200	1.170	1.00	2.508	3.01	28.0	42.2	215.2
160.00	1.00	1.40	8.480	9.33	0.00	1.200	1.171	1.00	2.486	2.98	27.8	41.8	106.9
162.00	1.00	1.40	8.502	9.35	0.00	1.200	1.172	2.00	4.908	5.89	55.1	82.3	210.4
164.00	1.00	1.40	8.524	9.38	0.00	1.200	1.174	2.00	4.822	5.79	54.3	80.8	206.5
166.00	1.00	1.41	8.546	9.40	0.00	1.200	1.175	2.00	4.736	5.68	53.4	79.4	202.6
167.00 Appurtenance(s)	1.00	1.41	8.556	9.41	0.00	1.200	1.176	1.00	2.336	2.80	26.4	39.4	100.0
168.00	1.00	1.41	8.567	9.42	0.00	1.200	1.177	1.00	2.314	2.78	26.2	39.0	99.1
170.00	1.00	1.42	8.589	9.45	0.00	1.200	1.178	2.00	4.564	5.48	51.7	76.5	194.8
172.00	1.00	1.42	8.610	9.47	0.00	1.200	1.180	2.00	4.477	5.37	50.9	75.1	190.9
174.00	1.00	1.42	8.631	9.49	0.00	1.200	1.181	2.00	4.391	5.27	50.0	73.7	187.0
176.00	1.00	1.43	8.652	9.52	0.00	1.200	1.182	2.00	4.305	5.17	49.2	72.2	183.0
178.00	1.00	1.43	8.672	9.54	0.00	1.200	1.184	2.00	4.219	5.06	48.3	70.7	179.1
180.00	1.00	1.43	8.693	9.56	0.00	1.200	1.185	2.00	4.132	4.96	47.4	69.3	175.2
182.00	1.00	1.44	8.713	9.58	0.00	1.200	1.186	2.00	4.046	4.86	46.5	67.8	171.2
184.00	1.00	1.44	8.733	9.61	0.00	1.200	1.187	2.00	3.960	4.75	45.6	66.4	167.3
186.00	1.00	1.44	8.753	9.63	0.00	1.200	1.189	2.00	3.874	4.65	44.8	64.9	163.3
188.00	1.00	1.45	8.772	9.65	0.00	1.200	1.190	2.00	3.787	4.54	43.9	63.4	159.4

## Wind Loading - Shaft

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 51



190.00	1.00	1.45	8.792	9.67	0.00	1.200	1.191	2.00	3.701	4.44	43.0	61.9	155.4
192.00	1.00	1.45	8.811	9.69	0.00	1.200	1.193	2.00	3.615	4.34	42.0	60.4	151.5
194.00	1.00	1.46	8.831	9.71	0.00	1.200	1.194	2.00	3.529	4.23	41.1	59.0	147.5
195.00 Appurtenance(s)	1.00	1.46	8.840	9.72	0.00	1.200	1.194	1.00	1.732	2.08	20.2	29.1	72.4
196.00 Appurtenance(s)	1.00	1.46	8.850	9.73	0.00	1.200	1.195	1.00	1.710	2.05	20.0	28.7	71.4
<b>Totals:</b>								<b>196.00</b>		<b>6,782.1</b>		<b>56,945.3</b>	

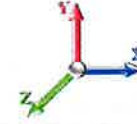
## Discrete Appurtenance Forces

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 52



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

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



**Iterations** 29

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	196.00	6' Lightning rod	1	8.850	9.735	1.00	1.00	1.12	27.36	0.000	0.000	10.95	0.00	0.00
2	195.00	800MHz Filter	3	8.840	9.724	0.40	0.80	1.47	52.90	0.000	0.000	14.27	0.00	0.00
3	195.00	ACU-A20-N	4	8.840	9.724	0.40	0.80	0.55	11.36	0.000	0.000	5.34	0.00	0.00
4	195.00	APXVSP18-C-A20	3	8.840	9.724	0.71	0.85	21.02	411.59	0.000	0.000	204.42	0.00	0.00
5	195.00	APXVTM14-C-120	3	8.840	9.724	0.67	0.85	14.28	510.21	0.000	0.000	138.82	0.00	0.00
6	195.00	1900MHz RRH	3	8.840	9.724	0.40	0.80	5.70	288.93	0.000	0.000	55.44	0.00	0.00
7	195.00	TD-RRH8x20-25	3	8.840	9.724	0.40	0.80	5.51	464.14	0.000	0.000	53.59	0.00	0.00
8	195.00	800MHz RRH	3	8.840	9.724	0.40	0.80	4.12	307.16	0.000	0.000	40.05	0.00	0.00
9	195.00	Low Profile Platform	1	8.840	9.724	1.00	1.00	42.12	1472.47	0.000	0.000	409.55	0.00	0.00
10	195.00	Mount Pipes	12	8.840	9.724	0.90	0.90	24.74	-20258.8	0.000	0.000	240.56	0.00	0.00
11	167.00	RFS	3	8.556	9.412	0.55	0.75	35.32	1271.77	0.000	0.000	332.45	0.00	0.00
12	167.00	Mount Pipes	12	8.556	9.412	0.75	0.75	18.92	-20263.8	0.000	0.000	178.12	0.00	0.00
13	167.00	Ericsson AIR6449 B41	3	8.556	9.412	0.53	0.75	10.05	552.90	0.000	0.000	94.58	0.00	0.00
14	167.00	Low Profile Platform	1	8.556	9.412	1.00	1.00	45.69	2103.12	0.000	0.000	430.00	0.00	0.00
15	167.00	KRY 112 144/1	3	8.556	9.412	0.38	0.75	0.82	54.98	0.000	0.000	7.73	0.00	0.00
16	167.00	Ericsson 4449 B71 + B85	3	8.556	9.412	0.38	0.75	2.65	205.05	0.000	0.000	24.92	0.00	0.00
17	167.00	Ericsson 4460 B25 + B66	3	8.556	9.412	0.38	0.75	3.20	572.58	0.000	0.000	30.12	0.00	0.00
18	167.00	Commscope VV-65A-R1	3	8.556	9.412	0.58	0.75	12.49	453.87	0.000	0.000	117.58	0.00	0.00
19	150.00	DC6-48-60-18-8F	2	8.365	9.202	0.38	0.75	1.45	123.35	0.000	0.000	13.36	0.00	0.00
20	150.00	LGP13519	6	8.365	9.202	0.38	0.75	1.45	59.95	0.000	0.000	13.31	0.00	0.00
21	150.00	LGP21401	6	8.365	9.202	0.38	0.75	4.16	158.93	0.000	0.000	38.24	0.00	0.00
22	150.00	7700.00	3	8.365	9.202	0.59	0.75	3.75	155.37	0.000	0.000	34.53	0.00	0.00
23	150.00	B2 B66A 8843	3	8.365	9.202	0.38	0.75	2.23	310.07	0.000	0.000	20.54	0.00	0.00
24	150.00	Mount Pipes	12	8.365	9.202	0.75	0.75	19.26	-20267.3	0.000	0.000	177.18	0.00	0.00
25	150.00	Low Profile Platform	1	8.365	9.202	1.00	1.00	35.99	2068.94	0.000	0.000	331.17	0.00	0.00
26	150.00	Handrail Kit	1	8.365	9.202	0.75	0.75	5.01	-1089.97	0.000	0.000	46.12	0.00	0.00
27	150.00	4449 B5/B12	3	8.365	9.202	0.38	0.75	2.63	321.56	0.000	0.000	24.17	0.00	0.00
28	150.00	800 10966	2	8.365	9.202	0.54	0.75	20.03	755.92	0.000	0.000	184.32	0.00	0.00
29	150.00	80010964	1	8.365	9.202	0.53	0.75	5.78	259.33	0.000	0.000	53.17	0.00	0.00
30	150.00	HPA65R-BU4A	3	8.365	9.202	0.64	0.75	10.70	369.67	0.000	0.000	98.45	0.00	0.00
31	140.00	MX06FRO660-03	6	8.245	9.069	0.66	0.75	42.59	1325.21	0.000	0.000	386.25	0.00	0.00
32	140.00	MT6407-77A	3	8.263	9.089	0.53	0.75	8.41	514.93	0.000	1.500	76.46	0.00	114.69
33	140.00	XXDWMM-12.5-65-8TCBR	3	8.220	9.042	0.63	0.75	2.17	-28.65	0.000	-2.000	19.62	0.00	-39.23
34	140.00	RF4439d 25A	3	8.245	9.069	0.38	0.75	5.84	509.65	0.000	0.000	53.00	0.00	0.00
35	140.00	RVZDC-6627-PF-48	1	8.245	9.069	0.38	0.75	1.73	69.12	0.000	0.000	15.65	0.00	0.00
36	140.00	RF4440d 13a	3	8.245	9.069	0.38	0.75	5.29	450.36	0.000	0.000	48.00	0.00	0.00
37	140.00	KA-6030	2	8.245	9.069	0.38	0.75	0.92	-45.23	0.000	0.000	8.32	0.00	0.00
38	140.00	Platform w/Handrail	1	8.245	9.069	1.00	1.00	36.55	2539.93	0.000	0.000	331.52	0.00	0.00
39	140.00	Mount Pipes	12	8.245	9.069	0.75	0.75	18.42	-20269.5	0.000	0.000	167.08	0.00	0.00
40	125.00	Commscope	1	8.050	8.855	0.67	0.67	33.41	2909.18	0.000	0.000	295.89	0.00	0.00
41	125.00	Raycap	1	8.050	8.855	0.38	0.75	0.89	48.44	0.000	0.000	7.91	0.00	0.00
42	125.00	Fujitsu TA08025-B604	3	8.050	8.855	0.38	0.75	2.62	293.17	0.000	0.000	23.18	0.00	0.00
43	125.00	Fujitsu TA08025-B605	3	8.050	8.855	0.38	0.75	2.62	334.92	0.000	0.000	23.18	0.00	0.00
44	125.00	JMA Wireless	3	8.050	8.855	0.55	0.75	22.39	601.83	0.000	0.000	198.29	0.00	0.00
45	30.00	GPS	1	5.961	6.557	1.00	1.00	1.40	20.64	0.000	0.000	9.21	0.00	0.00
<b>Totals:</b>									<b>-59,262.5</b>					
									<b>6</b>	<b>5,086.61</b>				

## Total Applied Force Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 53



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

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



**Iterations** 29

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
2.00		76.61	1071.58	0.00	0.00
4.00		76.15	1076.73	0.00	0.00
6.00		75.63	1077.09	0.00	0.00
8.00		75.10	1075.37	0.00	0.00
10.00		74.55	1072.47	0.00	0.00
12.00		74.00	1068.79	0.00	0.00
14.00		73.44	1064.56	0.00	0.00
16.00		73.78	1059.93	0.00	0.00
18.00		75.04	1054.97	0.00	0.00
20.00		76.12	1049.75	0.00	0.00
22.00		77.05	1044.32	0.00	0.00
24.00		77.85	1038.71	0.00	0.00
26.00		78.53	1032.95	0.00	0.00
28.00		79.11	1027.06	0.00	0.00
30.00	(1) attachments	88.81	1041.69	0.00	0.00
32.00		80.01	1014.94	0.00	0.00
34.00		80.36	1008.74	0.00	0.00
35.50		60.36	752.45	0.00	0.00
36.00		20.40	410.11	0.00	0.00
38.00		82.11	1632.82	0.00	0.00
40.00		82.29	1620.63	0.00	0.00
42.00		82.42	1608.38	0.00	0.00
43.00		41.14	799.62	0.00	0.00
44.00		41.16	472.33	0.00	0.00
46.00		82.55	939.93	0.00	0.00
48.00		82.55	933.72	0.00	0.00
50.00		82.52	927.46	0.00	0.00
52.00		82.45	921.16	0.00	0.00
54.00		82.34	914.82	0.00	0.00
56.00		82.21	908.45	0.00	0.00
58.00		82.05	902.04	0.00	0.00
60.00		81.86	895.60	0.00	0.00
62.00		81.64	889.13	0.00	0.00
64.00		81.40	882.63	0.00	0.00
66.00		81.13	876.11	0.00	0.00
68.00		80.84	869.56	0.00	0.00
70.00		80.53	862.98	0.00	0.00
72.00		80.20	856.38	0.00	0.00
74.00		79.85	849.76	0.00	0.00
74.50		19.86	211.48	0.00	0.00
76.00		60.46	976.16	0.00	0.00
78.00		80.34	1291.28	0.00	0.00
80.00		79.93	1279.65	0.00	0.00
81.00		39.76	635.57	0.00	0.00
82.00		39.65	379.76	0.00	0.00
84.00		79.08	754.87	0.00	0.00

## Total Applied Force Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	Page: 54
<b>Struct Class:</b> II		



86.00		78.63	748.96	0.00	0.00
88.00		78.17	743.04	0.00	0.00
90.00		77.69	737.11	0.00	0.00
92.00		77.19	731.16	0.00	0.00
94.00		76.68	725.19	0.00	0.00
96.00		76.16	719.21	0.00	0.00
98.00		75.62	713.22	0.00	0.00
100.00		75.07	707.21	0.00	0.00
102.00		74.51	707.47	0.00	0.00
104.00		73.94	701.45	0.00	0.00
106.00		73.35	695.42	0.00	0.00
108.00		72.76	689.38	0.00	0.00
110.00		72.15	683.33	0.00	0.00
112.00		71.53	677.27	0.00	0.00
114.00		70.90	671.20	0.00	0.00
116.00		70.26	665.11	0.00	0.00
118.00		69.61	659.02	0.00	0.00
118.75		25.90	245.69	0.00	0.00
120.00		43.70	593.29	0.00	0.00
122.00		69.42	940.73	0.00	0.00
124.00		68.75	930.48	0.00	0.00
125.00	(11) attachments	582.55	4481.56	0.00	0.00
126.00		33.92	288.26	0.00	0.00
128.00		67.37	572.22	0.00	0.00
130.00		66.67	566.88	0.00	0.00
132.00		65.96	561.54	0.00	0.00
134.00		65.24	556.19	0.00	0.00
136.00		64.51	550.83	0.00	0.00
138.00		63.77	545.46	0.00	0.00
140.00	(34) attachments	1168.92	-14394.15	0.00	75.46
142.00		62.28	433.77	0.00	0.00
144.00		61.52	428.29	0.00	0.00
146.00		60.75	422.80	0.00	0.00
148.00		59.98	417.31	0.00	0.00
150.00	(43) attachments	1093.76	-16362.40	0.00	0.00
152.00		58.41	370.19	0.00	0.00
154.00		57.61	364.68	0.00	0.00
154.75		21.38	135.50	0.00	0.00
156.00		35.84	309.17	0.00	0.00
158.00		56.72	487.91	0.00	0.00
159.00		28.04	241.13	0.00	0.00
160.00		27.83	132.83	0.00	0.00
162.00		55.08	262.40	0.00	0.00
164.00		54.26	258.52	0.00	0.00
166.00		53.42	254.63	0.00	0.00
167.00	(31) attachments	1241.88	-14923.57	0.00	0.00
168.00		26.17	108.14	0.00	0.00
170.00		51.74	213.00	0.00	0.00
172.00		50.88	209.10	0.00	0.00
174.00		50.03	205.19	0.00	0.00
176.00		49.16	201.28	0.00	0.00
178.00		48.29	197.36	0.00	0.00
180.00		47.42	193.44	0.00	0.00
182.00		46.53	189.52	0.00	0.00
184.00		45.65	185.59	0.00	0.00
186.00		44.75	181.66	0.00	0.00
188.00		43.86	177.72	0.00	0.00

## Total Applied Force Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 55



190.00		42.95	173.78	0.00	0.00
192.00		42.04	169.83	0.00	0.00
194.00		41.13	165.88	0.00	0.00
195.00	(35) attachments	1182.24	-16658.40	0.00	0.00
196.00	(1) attachments	30.93	104.84	0.00	0.00
	<b>Totals:</b>	<b>11,868.66</b>	<b>11,799.32</b>	<b>0.00</b>	<b>75.46</b>

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (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 + 1.0Di + 1.0Wi 50 mph Wind

**Iterations** 29

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



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)
2.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.030	0.000	5.158	0.00	2.51
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.030	0.000	5.158	0.00	4.69
2.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.030	0.000	5.158	0.00	67.12
2.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.59	0.00	0.030	0.000	5.158	0.00	12.71
4.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	5.158	0.00	2.75
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	5.158	0.00	4.95
4.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	5.158	0.00	69.34
4.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.60	0.00	0.031	0.000	5.158	0.00	13.26
6.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	5.158	0.00	2.91
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	5.158	0.00	5.12
6.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	5.158	0.00	70.71
6.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.61	0.00	0.031	0.000	5.158	0.00	13.60
8.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	5.158	0.00	3.03
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	5.158	0.00	5.25
8.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	5.158	0.00	71.72
8.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.62	0.00	0.031	0.000	5.158	0.00	13.86
10.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	5.158	0.00	3.12
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	5.158	0.00	5.35
10.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	5.158	0.00	72.53
10.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.63	0.00	0.031	0.000	5.158	0.00	14.06
12.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	5.158	0.00	3.20
12.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	5.158	0.00	5.44
12.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	5.158	0.00	73.20
12.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.63	0.00	0.032	0.000	5.158	0.00	14.23
14.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	5.158	0.00	3.27
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	5.158	0.00	5.51
14.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	5.158	0.00	73.79
14.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.64	0.00	0.032	0.000	5.158	0.00	14.38
16.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	5.222	0.00	3.34
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	5.222	0.00	5.58
16.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	5.222	0.00	74.30
16.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.64	0.00	0.032	0.000	5.222	0.00	14.52
18.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	5.353	0.00	3.39
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	5.353	0.00	5.64
18.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	5.353	0.00	74.76
18.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.65	0.00	0.032	0.000	5.353	0.00	14.64
20.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	5.473	0.00	3.44
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	5.473	0.00	5.70
20.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	5.473	0.00	75.17
20.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.65	0.00	0.033	0.000	5.473	0.00	14.74
22.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	5.584	0.00	3.49
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	5.584	0.00	5.75
22.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	5.584	0.00	75.55
22.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.65	0.00	0.033	0.000	5.584	0.00	14.84
24.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	5.688	0.00	3.54
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	5.688	0.00	5.80
24.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	5.688	0.00	75.90

## Linear Appurtenance Segment Forces (Factored)

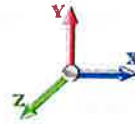
<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



Page: 57

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

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



**Iterations** 29

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)
24.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.66	0.00	0.033	0.000	5.688	0.00	14.94
26.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	5.784	0.00	3.58
26.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	5.784	0.00	5.84
26.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	5.784	0.00	76.22
26.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.66	0.00	0.033	0.000	5.784	0.00	15.02
28.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	5.875	0.00	3.62
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	5.875	0.00	5.88
28.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	5.875	0.00	76.53
28.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.66	0.00	0.034	0.000	5.875	0.00	15.10
30.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	5.961	0.00	3.65
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	5.961	0.00	5.92
30.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	5.961	0.00	76.81
30.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.66	0.00	0.034	0.000	5.961	0.00	15.18
32.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	6.043	0.00	3.69
32.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	6.043	0.00	5.96
32.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	6.043	0.00	77.08
32.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.67	0.00	0.034	0.000	6.043	0.00	15.25
34.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	6.120	0.00	3.72
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	6.120	0.00	5.99
34.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	6.120	0.00	77.33
34.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.67	0.00	0.035	0.000	6.120	0.00	15.31
35.50	Safety Cable	Yes	1.50	0.000	0.00	0.00	0.00	0.035	0.000	6.176	0.00	2.81
35.50	Step bolts (ladder)	Yes	1.50	0.000	0.00	0.00	0.00	0.035	0.000	6.176	0.00	4.51
35.50	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.035	0.000	6.176	0.00	58.14
35.50	1 5/8" Hybrid	Yes	1.50	0.000	2.00	0.50	0.00	0.035	0.000	6.176	0.00	11.52
36.00	Safety Cable	Yes	0.50	0.000	0.00	0.00	0.00	0.035	0.000	6.194	0.00	0.94
36.00	Step bolts (ladder)	Yes	0.50	0.000	0.00	0.00	0.00	0.035	0.000	6.194	0.00	1.51
36.00	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.035	0.000	6.194	0.00	19.39
36.00	1 5/8" Hybrid	Yes	0.50	0.000	2.00	0.17	0.00	0.035	0.000	6.194	0.00	3.84
38.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	6.265	0.00	3.78
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	6.265	0.00	6.06
38.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	6.265	0.00	77.80
38.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.67	0.00	0.035	0.000	6.265	0.00	15.44
40.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	6.333	0.00	3.81
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	6.333	0.00	6.09
40.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	6.333	0.00	78.02
40.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.67	0.00	0.036	0.000	6.333	0.00	15.50
42.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	6.399	0.00	3.84
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	6.399	0.00	6.12
42.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	6.399	0.00	78.23
42.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.67	0.00	0.036	0.000	6.399	0.00	15.55
43.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	6.430	0.00	1.93
43.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	6.430	0.00	3.07
43.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	6.430	0.00	39.17
43.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.34	0.00	0.036	0.000	6.430	0.00	7.79
44.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	6.462	0.00	1.93
44.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	6.462	0.00	3.07



## Linear Appurtenance Segment Forces (Factored)

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)  
**Gh:** 1.1

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

8/2/2023

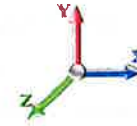


Page: 58

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

**Iterations** 29

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



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)
44.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	6.462	0.00	39.22
44.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.34	0.00	0.036	0.000	6.462	0.00	7.80
46.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	6.522	0.00	3.89
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	6.522	0.00	6.18
46.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	6.522	0.00	78.62
46.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.68	0.00	0.036	0.000	6.522	0.00	15.66
48.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	6.581	0.00	3.92
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	6.581	0.00	6.20
48.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	6.581	0.00	78.81
48.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.68	0.00	0.036	0.000	6.581	0.00	15.71
50.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	6.638	0.00	3.94
50.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	6.638	0.00	6.23
50.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	6.638	0.00	78.99
50.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.68	0.00	0.037	0.000	6.638	0.00	15.76
52.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	6.693	0.00	3.97
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	6.693	0.00	6.25
52.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	6.693	0.00	79.16
52.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.68	0.00	0.037	0.000	6.693	0.00	15.80
54.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	6.746	0.00	3.99
54.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	6.746	0.00	6.28
54.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	6.746	0.00	79.33
54.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.68	0.00	0.037	0.000	6.746	0.00	15.85
56.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	6.798	0.00	4.01
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	6.798	0.00	6.30
56.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	6.798	0.00	79.49
56.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.68	0.00	0.038	0.000	6.798	0.00	15.89
58.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	6.849	0.00	4.03
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	6.849	0.00	6.33
58.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	6.849	0.00	79.64
58.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.69	0.00	0.038	0.000	6.849	0.00	15.93
60.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	6.898	0.00	4.05
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	6.898	0.00	6.35
60.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	6.898	0.00	79.80
60.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.69	0.00	0.039	0.000	6.898	0.00	15.97
62.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	6.945	0.00	4.07
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	6.945	0.00	6.37
62.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	6.945	0.00	79.94
62.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.69	0.00	0.039	0.000	6.945	0.00	16.01
64.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	6.992	0.00	4.09
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	6.992	0.00	6.39
64.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	6.992	0.00	80.08
64.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.69	0.00	0.039	0.000	6.992	0.00	16.05
66.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	7.037	0.00	4.11
66.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	7.037	0.00	6.41
66.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	7.037	0.00	80.22
66.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.69	0.00	0.040	0.000	7.037	0.00	16.09
68.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	7.082	0.00	4.13

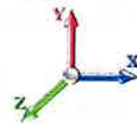
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	Page: 59



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

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



**Iterations** 29

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)
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	7.082	0.00	6.43
68.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	7.082	0.00	80.36
68.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.69	0.00	0.040	0.000	7.082	0.00	16.13
70.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	7.125	0.00	4.15
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	7.125	0.00	6.45
70.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	7.125	0.00	80.49
70.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.69	0.00	0.041	0.000	7.125	0.00	16.16
72.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	7.168	0.00	4.17
72.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	7.168	0.00	6.47
72.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	7.168	0.00	80.62
72.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.69	0.00	0.041	0.000	7.168	0.00	16.20
74.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	7.209	0.00	4.18
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	7.209	0.00	6.49
74.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	7.209	0.00	80.74
74.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.69	0.00	0.042	0.000	7.209	0.00	16.23
74.50	Safety Cable	Yes	0.50	0.000	0.00	0.00	0.00	0.042	0.000	7.219	0.00	1.05
74.50	Step bolts (ladder)	Yes	0.50	0.000	0.00	0.00	0.00	0.042	0.000	7.219	0.00	1.62
74.50	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.042	0.000	7.219	0.00	20.19
74.50	1 5/8" Hybrid	Yes	0.50	0.000	2.00	0.17	0.00	0.042	0.000	7.219	0.00	4.06
76.00	Safety Cable	Yes	1.50	0.000	0.00	0.00	0.00	0.042	0.000	7.250	0.00	3.15
76.00	Step bolts (ladder)	Yes	1.50	0.000	0.00	0.00	0.00	0.042	0.000	7.250	0.00	4.88
76.00	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.042	0.000	7.250	0.00	60.65
76.00	1 5/8" Hybrid	Yes	1.50	0.000	2.00	0.52	0.00	0.042	0.000	7.250	0.00	12.20
78.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	7.289	0.00	4.22
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	7.289	0.00	6.52
78.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	7.289	0.00	80.99
78.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.70	0.00	0.042	0.000	7.289	0.00	16.30
80.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	7.328	0.00	4.23
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	7.328	0.00	6.54
80.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	7.328	0.00	81.10
80.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.70	0.00	0.043	0.000	7.328	0.00	16.33
81.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	7.347	0.00	2.12
81.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	7.347	0.00	3.27
81.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	7.347	0.00	40.58
81.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.35	0.00	0.043	0.000	7.347	0.00	8.17
82.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	7.366	0.00	2.12
82.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	7.366	0.00	3.28
82.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	7.366	0.00	40.61
82.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.35	0.00	0.043	0.000	7.366	0.00	8.18
84.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	7.404	0.00	4.26
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	7.404	0.00	6.57
84.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	7.404	0.00	81.33
84.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.70	0.00	0.043	0.000	7.404	0.00	16.39
86.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	7.441	0.00	4.28
86.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	7.441	0.00	6.59
86.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	7.441	0.00	81.44
86.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.70	0.00	0.044	0.000	7.441	0.00	16.42

## Linear Appurtenance Segment Forces (Factored)

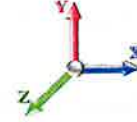
<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	Page: 60



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

**Iterations** 29

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



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	FX (lb)	Dead Load (lb)
88.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	7.477	0.00	4.30
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	7.477	0.00	6.61
88.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	7.477	0.00	81.55
88.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.70	0.00	0.044	0.000	7.477	0.00	16.45
90.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	7.512	0.00	4.31
90.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	7.512	0.00	6.62
90.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	7.512	0.00	81.65
90.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.70	0.00	0.045	0.000	7.512	0.00	16.48
92.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	7.547	0.00	4.32
92.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	7.547	0.00	6.64
92.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	7.547	0.00	81.75
92.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.70	0.00	0.045	0.000	7.547	0.00	16.51
94.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	7.581	0.00	4.34
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	7.581	0.00	6.65
94.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	7.581	0.00	81.86
94.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.70	0.00	0.046	0.000	7.581	0.00	16.54
96.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	7.615	0.00	4.35
96.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	7.615	0.00	6.67
96.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	7.615	0.00	81.95
96.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.70	0.00	0.046	0.000	7.615	0.00	16.56
98.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	7.648	0.00	4.37
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	7.648	0.00	6.68
98.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	7.648	0.00	82.05
98.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.70	0.00	0.047	0.000	7.648	0.00	16.59
100.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	7.681	0.00	4.38
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	7.681	0.00	6.70
100.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	7.681	0.00	82.15
100.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.71	0.00	0.047	0.000	7.681	0.00	16.62
102.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	7.713	0.00	4.39
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	7.713	0.00	6.71
102.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	7.713	0.00	82.24
102.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.71	0.00	0.086	0.000	7.713	0.00	16.64
102.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.086	0.000	7.713	0.00	8.68
104.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	7.744	0.00	4.41
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	7.744	0.00	6.73
104.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	7.744	0.00	82.33
104.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.71	0.00	0.087	0.000	7.744	0.00	16.67
104.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.087	0.000	7.744	0.00	8.69
106.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	7.776	0.00	4.42
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	7.776	0.00	6.74
106.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	7.776	0.00	82.42
106.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.71	0.00	0.089	0.000	7.776	0.00	16.69
106.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.089	0.000	7.776	0.00	8.71
108.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	7.806	0.00	4.43
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	7.806	0.00	6.75
108.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	7.806	0.00	82.51
108.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.71	0.00	0.090	0.000	7.806	0.00	16.72

## Linear Appurtenance Segment Forces (Factored)

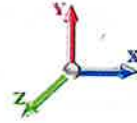
<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



Page: 61

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

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



**Iterations** 29

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)
108.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.090	0.000	7.806	0.00	8.73
110.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	7.836	0.00	4.45
110.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	7.836	0.00	6.77
110.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	7.836	0.00	82.60
110.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.71	0.00	0.091	0.000	7.836	0.00	16.74
110.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.091	0.000	7.836	0.00	8.74
112.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	7.866	0.00	4.46
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	7.866	0.00	6.78
112.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	7.866	0.00	82.69
112.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.71	0.00	0.092	0.000	7.866	0.00	16.77
112.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.092	0.000	7.866	0.00	8.76
114.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	7.896	0.00	4.47
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	7.896	0.00	6.79
114.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	7.896	0.00	82.77
114.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.71	0.00	0.093	0.000	7.896	0.00	16.79
114.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.093	0.000	7.896	0.00	8.78
116.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	7.925	0.00	4.48
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	7.925	0.00	6.81
116.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	7.925	0.00	82.86
116.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.71	0.00	0.095	0.000	7.925	0.00	16.81
116.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.095	0.000	7.925	0.00	8.79
118.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	7.953	0.00	4.49
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	7.953	0.00	6.82
118.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	7.953	0.00	82.94
118.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.71	0.00	0.096	0.000	7.953	0.00	16.84
118.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.65	0.00	0.096	0.000	7.953	0.00	8.81
118.75	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.097	0.000	7.964	0.00	1.69
118.75	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.097	0.000	7.964	0.00	2.56
118.75	1 5/8" Coax	Yes	0.75	0.000	0.00	0.00	0.00	0.097	0.000	7.964	0.00	31.11
118.75	1 5/8" Hybrid	Yes	0.75	0.000	2.00	0.27	0.00	0.097	0.000	7.964	0.00	6.32
118.75	1.6" Hybrid	Yes	0.75	0.000	1.60	0.24	0.00	0.097	0.000	7.964	0.00	3.30
120.00	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.098	0.000	7.981	0.00	2.82
120.00	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.098	0.000	7.981	0.00	4.27
120.00	1 5/8" Coax	Yes	1.25	0.000	0.00	0.00	0.00	0.098	0.000	7.981	0.00	51.89
120.00	1 5/8" Hybrid	Yes	1.25	0.000	2.00	0.45	0.00	0.098	0.000	7.981	0.00	10.54
120.00	1.6" Hybrid	Yes	1.25	0.000	1.60	0.40	0.00	0.098	0.000	7.981	0.00	5.51
122.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	8.009	0.00	4.52
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	8.009	0.00	6.84
122.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	8.009	0.00	83.10
122.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.71	0.00	0.099	0.000	8.009	0.00	16.88
122.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.65	0.00	0.099	0.000	8.009	0.00	8.84
124.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	8.037	0.00	4.53
124.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	8.037	0.00	6.86
124.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	8.037	0.00	83.18
124.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.71	0.00	0.100	0.000	8.037	0.00	16.90
124.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.65	0.00	0.100	0.000	8.037	0.00	8.85
125.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.099	0.000	8.050	0.00	2.27

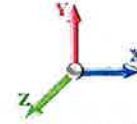
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 62



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

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



**Iterations** 29

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)
125.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.099	0.000	8.050	0.00	3.43
125.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.099	0.000	8.050	0.00	41.61
125.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.36	0.00	0.099	0.000	8.050	0.00	8.46
125.00	1.6" Hybrid	Yes	1.00	0.000	1.60	0.32	0.00	0.099	0.000	8.050	0.00	4.43
126.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.056	0.000	8.064	0.00	2.27
126.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.056	0.000	8.064	0.00	3.43
126.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.056	0.000	8.064	0.00	41.63
126.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.36	0.00	0.056	0.000	8.064	0.00	8.46
126.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.36	0.00	0.056	0.000	8.091	0.00	4.55
128.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.056	0.000	8.091	0.00	6.88
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.056	0.000	8.091	0.00	83.33
128.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.056	0.000	8.091	0.00	16.95
128.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.72	0.00	0.056	0.000	8.091	0.00	4.56
130.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.057	0.000	8.117	0.00	6.89
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.057	0.000	8.117	0.00	83.41
130.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.057	0.000	8.117	0.00	16.97
130.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.72	0.00	0.057	0.000	8.117	0.00	4.57
130.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.058	0.000	8.143	0.00	4.57
132.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.058	0.000	8.143	0.00	6.90
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.058	0.000	8.143	0.00	83.48
132.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.058	0.000	8.143	0.00	16.99
132.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.72	0.00	0.058	0.000	8.143	0.00	4.58
132.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.059	0.000	8.169	0.00	4.58
134.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.059	0.000	8.169	0.00	6.91
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.059	0.000	8.169	0.00	83.56
134.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.059	0.000	8.169	0.00	17.01
134.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.72	0.00	0.059	0.000	8.169	0.00	4.59
134.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.060	0.000	8.194	0.00	4.59
136.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.060	0.000	8.194	0.00	6.92
136.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.060	0.000	8.194	0.00	83.63
136.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.060	0.000	8.194	0.00	17.03
136.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.72	0.00	0.060	0.000	8.194	0.00	4.60
136.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	8.220	0.00	4.60
138.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	8.220	0.00	6.94
138.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	8.220	0.00	83.70
138.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	8.220	0.00	17.05
138.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.72	0.00	0.061	0.000	8.220	0.00	4.62
140.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.062	0.000	8.245	0.00	6.95
140.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.062	0.000	8.245	0.00	83.77
140.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.062	0.000	8.245	0.00	17.07
140.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.72	0.00	0.062	0.000	8.245	0.00	4.63
140.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.269	0.00	4.63
142.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.269	0.00	6.96
142.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.269	0.00	6.96
142.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.294	0.00	4.64
144.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.294	0.00	6.97
144.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.294	0.00	6.97
144.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.318	0.00	4.65
146.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.318	0.00	6.98
146.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.318	0.00	6.98
146.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.342	0.00	4.66
148.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.342	0.00	6.99
148.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.342	0.00	6.99
148.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.365	0.00	4.67
150.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.365	0.00	7.00
150.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.365	0.00	7.00
150.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.389	0.00	4.67
152.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.389	0.00	4.67

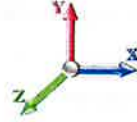
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (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 + 1.0Di + 1.0Wi 50 mph Wind

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



**Iterations** 29

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)
152.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.389	0.00	7.01
154.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.412	0.00	4.68
154.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.412	0.00	7.02
154.75	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	8.420	0.00	1.76
154.75	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	8.420	0.00	2.63
156.00	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	8.435	0.00	2.93
156.00	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	8.435	0.00	4.39
158.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.457	0.00	4.70
158.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.457	0.00	7.04
159.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.468	0.00	2.35
159.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.468	0.00	3.52
160.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.480	0.00	2.36
160.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.480	0.00	3.53
162.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.502	0.00	4.72
162.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.502	0.00	7.06
164.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.524	0.00	4.73
164.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.524	0.00	7.07
166.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.546	0.00	4.74
166.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.546	0.00	7.08
167.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.556	0.00	2.37
167.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.556	0.00	3.54
168.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.567	0.00	2.37
168.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.567	0.00	3.54
170.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.589	0.00	4.76
170.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.589	0.00	7.10
172.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.610	0.00	4.77
172.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.610	0.00	7.11
174.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.631	0.00	4.77
174.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.631	0.00	7.12
176.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.652	0.00	4.78
176.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.652	0.00	7.13
178.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.672	0.00	4.79
178.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.672	0.00	7.13
180.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.693	0.00	4.80
180.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.693	0.00	7.14
182.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.713	0.00	4.81
182.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.713	0.00	7.15
184.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.733	0.00	4.82
184.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.733	0.00	7.16
186.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.753	0.00	4.83
186.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.753	0.00	7.17
188.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.772	0.00	4.83
188.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.772	0.00	7.18
190.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.792	0.00	4.84
190.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.792	0.00	7.19
192.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.811	0.00	4.85
192.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.811	0.00	7.20

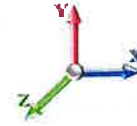
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 64



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

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



**Iterations** 29

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)
194.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.831	0.00	4.86
194.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.831	0.00	7.20
195.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.840	0.00	2.43
195.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.840	0.00	3.60
196.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.850	0.00	2.43
196.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.850	0.00	3.61
<b>Totals:</b>											<b>0.0</b>	<b>7,844.1</b>

## Calculated Forces

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 65



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

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



**Iterations** 29

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	-74.14	-11.88	0.00	-1471.8	0.00	1471.85	5795.46	1682.91	8909.80	7510.36	0.00	0.000	0.000	0.209
2.00	-73.06	-11.82	0.00	-1448.1	0.00	1448.10	5776.44	1669.60	8769.44	7426.09	0.00	-0.017	0.000	0.208
4.00	-71.98	-11.77	0.00	-1424.4	0.00	1424.45	5757.00	1656.30	8630.20	7341.68	0.01	-0.034	0.000	0.207
6.00	-70.90	-11.71	0.00	-1400.9	0.00	1400.92	5737.14	1642.99	8492.07	7257.12	0.03	-0.051	0.000	0.205
8.00	-69.82	-11.66	0.00	-1377.5	0.00	1377.50	5716.84	1629.68	8355.05	7172.43	0.06	-0.068	0.000	0.204
10.00	-68.75	-11.60	0.00	-1354.1	0.00	1354.18	5696.12	1616.37	8219.15	7087.63	0.09	-0.085	0.000	0.203
12.00	-67.67	-11.55	0.00	-1330.9	0.00	1330.98	5674.97	1603.06	8084.36	7002.73	0.13	-0.103	0.000	0.202
14.00	-66.61	-11.49	0.00	-1307.8	0.00	1307.89	5653.40	1589.76	7950.69	6917.75	0.18	-0.120	0.000	0.201
16.00	-65.54	-11.44	0.00	-1284.9	0.00	1284.91	5631.39	1576.45	7818.13	6832.69	0.23	-0.138	0.000	0.200
18.00	-64.48	-11.38	0.00	-1262.0	0.00	1262.04	5608.96	1563.14	7686.69	6747.57	0.29	-0.156	0.000	0.199
20.00	-63.43	-11.32	0.00	-1239.2	0.00	1239.28	5586.10	1549.83	7556.36	6662.41	0.36	-0.174	0.000	0.197
22.00	-62.38	-11.26	0.00	-1216.6	0.00	1216.64	5562.81	1536.52	7427.15	6577.21	0.44	-0.192	0.000	0.196
24.00	-61.34	-11.20	0.00	-1194.1	0.00	1194.13	5539.10	1523.21	7299.05	6491.99	0.52	-0.210	0.000	0.195
26.00	-60.30	-11.13	0.00	-1171.7	0.00	1171.74	5514.96	1509.91	7172.06	6406.77	0.62	-0.229	0.000	0.194
28.00	-59.27	-11.07	0.00	-1149.4	0.00	1149.47	5490.39	1496.60	7046.19	6321.55	0.72	-0.247	0.000	0.193
30.00	-58.23	-10.99	0.00	-1127.3	0.00	1127.33	5465.39	1483.29	6921.43	6236.35	0.82	-0.266	0.000	0.191
32.00	-57.21	-10.93	0.00	-1105.3	0.00	1105.34	5439.96	1469.98	6797.79	6151.18	0.94	-0.285	0.000	0.190
34.00	-56.20	-10.86	0.00	-1083.4	0.00	1083.49	5414.11	1456.67	6675.26	6066.06	1.06	-0.303	0.000	0.189
35.50	-55.45	-10.80	0.00	-1067.2	0.00	1067.20	5394.44	1446.69	6584.09	6002.26	1.16	-0.318	0.000	0.188
36.00	-55.03	-10.79	0.00	-1061.8	0.00	1061.80	5387.83	1443.36	6553.84	5981.00	1.19	-0.323	0.000	0.188
38.00	-53.40	-10.72	0.00	-1040.2	0.00	1040.21	5361.12	1430.06	6433.54	5896.01	1.33	-0.342	0.000	0.186
40.00	-51.77	-10.64	0.00	-1018.7	0.00	1018.77	5333.99	1416.75	6314.36	5811.11	1.48	-0.361	0.000	0.185
42.00	-50.16	-10.56	0.00	-997.49	0.00	997.49	5306.43	1403.44	6196.29	5726.30	1.64	-0.381	0.000	0.184
43.00	-49.36	-10.53	0.00	-986.92	0.00	986.92	4823.70	1326.07	5927.09	5273.35	1.72	-0.390	0.000	0.197
44.00	-48.89	-10.50	0.00	-976.39	0.00	976.39	4812.47	1319.86	5871.70	5236.23	1.80	-0.400	0.000	0.197
46.00	-47.94	-10.42	0.00	-955.41	0.00	955.41	4789.68	1307.44	5761.71	5161.99	1.97	-0.420	0.000	0.195
48.00	-47.01	-10.35	0.00	-934.56	0.00	934.56	4766.46	1295.02	5652.75	5087.77	2.15	-0.441	0.000	0.194
50.00	-46.08	-10.28	0.00	-913.86	0.00	913.86	4742.82	1282.60	5544.84	5013.57	2.34	-0.461	0.000	0.192
52.00	-45.15	-10.20	0.00	-893.31	0.00	893.31	4718.75	1270.18	5437.96	4939.41	2.54	-0.481	0.000	0.190
54.00	-44.24	-10.13	0.00	-872.91	0.00	872.91	4694.25	1257.76	5332.12	4865.31	2.75	-0.502	0.000	0.189
56.00	-43.32	-10.05	0.00	-852.65	0.00	852.65	4669.32	1245.33	5227.33	4791.28	2.96	-0.523	0.000	0.187
58.00	-42.42	-9.98	0.00	-832.54	0.00	832.54	4643.97	1232.91	5123.57	4717.32	3.18	-0.544	0.000	0.186
60.00	-41.52	-9.90	0.00	-812.59	0.00	812.59	4618.19	1220.49	5020.86	4643.46	3.42	-0.565	0.000	0.184
62.00	-40.63	-9.83	0.00	-792.78	0.00	792.78	4591.98	1208.07	4919.18	4569.71	3.66	-0.586	0.000	0.182
64.00	-39.74	-9.75	0.00	-773.13	0.00	773.13	4565.34	1195.65	4818.55	4496.07	3.91	-0.607	0.000	0.181
66.00	-38.87	-9.68	0.00	-753.62	0.00	753.62	4538.28	1183.23	4718.95	4422.57	4.17	-0.628	0.000	0.179
68.00	-37.99	-9.60	0.00	-734.27	0.00	734.27	4510.78	1170.81	4620.40	4349.22	4.43	-0.650	0.000	0.177
70.00	-37.13	-9.52	0.00	-715.07	0.00	715.07	4482.87	1158.39	4522.88	4276.03	4.71	-0.671	0.000	0.176
72.00	-36.27	-9.45	0.00	-696.02	0.00	696.02	4454.52	1145.97	4426.41	4203.01	5.00	-0.693	0.000	0.174
74.00	-35.42	-9.36	0.00	-677.13	0.00	677.13	4425.74	1133.55	4330.97	4130.17	5.29	-0.715	0.000	0.172
74.50	-35.20	-9.35	0.00	-672.45	0.00	672.45	4418.48	1130.44	4307.27	4111.99	5.37	-0.721	0.000	0.172
76.00	-34.23	-9.29	0.00	-658.43	0.00	658.43	4396.54	1121.12	4236.58	4057.54	5.60	-0.737	0.000	0.170
78.00	-32.93	-9.20	0.00	-639.85	0.00	639.85	4366.91	1108.70	4143.22	3985.11	5.91	-0.759	0.000	0.168
80.00	-31.65	-9.12	0.00	-621.45	0.00	621.45	4336.86	1096.28	4050.91	3912.92	6.23	-0.781	0.000	0.166
81.00	-31.01	-9.07	0.00	-612.33	0.00	612.33	3502.12	951.57	3560.67	3204.59	6.40	-0.792	0.000	0.200
82.00	-30.63	-9.04	0.00	-603.26	0.00	603.26	3492.03	946.24	3520.94	3177.33	6.57	-0.804	0.000	0.199
84.00	-29.87	-8.96	0.00	-585.18	0.00	585.18	3471.52	935.60	3442.15	3122.83	6.91	-0.828	0.000	0.196
86.00	-29.12	-8.88	0.00	-567.26	0.00	567.26	3450.59	924.95	3364.26	3068.38	7.26	-0.853	0.000	0.193





## Calculated Forces

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 67



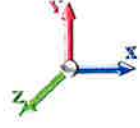
192.00	-0.23	-1.26	0.00	-3.78	0.00	3.78	775.47	192.92	292.71	287.17	40.09	-1.989	0.000	0.013
194.00	-0.06	-1.22	0.00	-1.25	0.00	1.25	761.60	187.60	276.78	274.17	40.93	-1.992	0.000	0.005
195.00	-0.10	-0.03	0.00	-0.03	0.00	0.03	754.51	184.94	268.98	267.73	41.34	-1.993	0.000	0.000
196.00	0.00	-0.03	0.00	0.00	0.00	0.00	747.31	182.27	261.30	261.31	41.76	-1.993	0.000	0.000

## Seismic Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



Page: 68

<b>Load Case:</b> 1.2D + 1.0Ev + 1.0Eh					<b>Iterations</b> 27
<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>	0.05
<b>Wind Load Factor</b>	0.00	<b>Structure Frequency (f1)</b>	0.28	<b>SA</b>	0.02
				<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	
2.00		767.10	1.00	30.11	0.00	
4.00		761.94	3.00	29.91	0.00	
6.00		756.78	5.00	29.71	0.01	
8.00		751.62	7.00	29.50	0.02	
10.00		746.46	9.00	29.30	0.03	
12.00		741.30	11.00	29.10	0.04	
14.00		736.14	13.00	28.90	0.06	
16.00		730.98	15.00	28.69	0.08	
18.00		725.81	17.00	28.49	0.10	
20.00		720.65	19.00	28.29	0.12	
22.00		715.49	21.00	28.09	0.15	
24.00		710.33	23.00	27.88	0.17	
26.00		705.17	25.00	27.68	0.20	
28.00		700.01	27.00	27.48	0.23	
30.00	Appurtenance(s)	704.85	29.00	27.67	0.27	
32.00		689.69	31.00	27.07	0.30	
34.00		684.53	33.00	26.87	0.33	
35.50	Bot - Section 2	510.01	34.75	20.02	0.20	
36.00		302.28	35.75	11.87	0.08	
38.00		1202.8	37.00	47.22	1.28	
40.00		1192.9	39.00	46.83	1.40	
42.00		1182.9	41.00	46.43	1.52	
43.00	Top - Section 1	587.72	42.50	23.07	0.40	
44.00		315.05	43.50	12.37	0.12	
46.00		626.49	45.00	24.59	0.51	
48.00		621.67	47.00	24.40	0.55	
50.00		616.85	49.00	24.21	0.59	
52.00		612.04	51.00	24.02	0.63	
54.00		607.22	53.00	23.84	0.67	
56.00		602.40	55.00	23.65	0.71	
58.00		597.59	57.00	23.46	0.75	
60.00		592.77	59.00	23.27	0.79	
62.00		587.95	61.00	23.08	0.83	
64.00		583.14	63.00	22.89	0.87	
66.00		578.32	65.00	22.70	0.92	
68.00		573.50	67.00	22.51	0.96	
70.00		568.69	69.00	22.32	1.00	
72.00		563.87	71.00	22.13	1.04	
74.00		559.05	73.00	21.94	1.08	
74.50	Bot - Section 3	139.01	74.25	5.46	0.07	
76.00		700.88	75.25	27.51	1.80	
78.00		926.68	77.00	36.38	3.30	
80.00		917.73	79.00	36.02	3.40	
81.00	Top - Section 2	455.51	80.50	17.88	0.87	
82.00		242.52	81.50	9.52	0.25	

## Seismic Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



Page: 69

84.00		481.95	83.00	18.92	1.04
86.00		477.82	85.00	18.76	1.07
88.00		473.69	87.00	18.59	1.10
90.00		469.56	89.00	18.43	1.13
92.00		465.44	91.00	18.27	1.16
94.00		461.31	93.00	18.11	1.19
96.00		457.18	95.00	17.95	1.22
98.00		453.05	97.00	17.78	1.25
100.00		448.92	99.00	17.62	1.28
102.00		444.79	101.00	17.46	1.31
104.00		440.66	103.00	17.30	1.33
106.00		436.54	105.00	17.14	1.36
108.00		432.41	107.00	16.97	1.39
110.00		428.28	109.00	16.81	1.41
112.00		424.15	111.00	16.65	1.44
114.00		420.02	113.00	16.49	1.46
116.00		415.89	115.00	16.33	1.48
118.00		411.76	117.00	16.16	1.50
118.75	Bot - Section 4	153.35	118.38	6.02	0.21
120.00		408.16	119.38	16.02	1.54
122.00		646.90	121.00	25.39	3.97
124.00	Top - Section 3	639.34	123.00	25.10	4.00
125.00	Appurtenance(s)	2545.3	124.50	99.91	65.03
126.00		175.17	125.50	6.88	0.31
128.00		347.76	127.00	13.65	1.26
130.00		344.32	129.00	13.52	1.28
132.00		340.87	131.00	13.38	1.29
134.00		337.43	133.00	13.25	1.30
136.00		333.99	135.00	13.11	1.32
138.00		330.55	137.00	12.98	1.33
140.00	Appurtenance(s)	3456.8	139.00	135.69	149.53
142.00		288.44	141.00	11.32	1.07
144.00		285.00	143.00	11.19	1.08
146.00		281.56	145.00	11.05	1.08
148.00		278.12	147.00	10.92	1.08
150.00	Appurtenance(s)	3397.8	149.00	133.38	165.99
152.00		235.12	151.00	9.23	0.82
154.00		231.68	153.00	9.09	0.81
154.75	Bot - Section 5	85.99	154.38	3.38	0.11
156.00		212.63	155.38	8.35	0.71
158.00		335.73	157.00	13.18	1.80
159.00	Top - Section 4	165.80	158.50	6.51	0.45
160.00		75.84	159.50	2.98	0.09
162.00		150.13	161.00	5.89	0.38
164.00		148.07	163.00	5.81	0.38
166.00		146.01	165.00	5.73	0.38
167.00	Appurtenance(s)	3188.8	166.50	125.17	182.56
168.00		54.79	167.50	2.15	0.05
170.00		108.04	169.00	4.24	0.22
172.00		105.97	171.00	4.16	0.21
174.00		103.91	173.00	4.08	0.21
176.00		101.84	175.00	4.00	0.21
178.00		99.78	177.00	3.92	0.20
180.00		97.72	179.00	3.84	0.20
182.00		95.65	181.00	3.75	0.19
184.00		93.59	183.00	3.67	0.19
186.00		91.52	185.00	3.59	0.19

## Seismic Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Struct Class:</b> II	Page: 70
<b>Topography:</b> 1		



188.00		89.46	187.00	3.51	0.18
190.00		87.39	189.00	3.43	0.18
192.00		85.33	191.00	3.35	0.17
194.00		83.27	193.00	3.27	0.17
195.00	Appurtenance(s)	2512.6	194.50	98.63	154.67
196.00	Appurtenance(s)	43.67	195.50	1.71	0.05
	<b>Totals:</b>	<b>61,381.3</b>		<b>2,409.4</b>	<b>800.3</b>
					<b>Total Wind:</b> <u>59,159.5</u>





## Calculated Forces

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 73



190.00	-3.37	-0.17	0.00	-0.83	0.00	0.83	788.90	198.24	309.09	300.29	3.94	-0.21	0.007
192.00	-3.27	-0.17	0.00	-0.50	0.00	0.50	775.47	192.92	292.71	287.17	4.02	-0.21	0.006
194.00	-3.17	-0.17	0.00	-0.17	0.00	0.17	761.60	187.60	276.78	274.17	4.11	-0.21	0.005
195.00	-0.05	0.00	0.00	0.00	0.00	0.00	754.51	184.94	268.98	267.73	4.15	-0.21	0.000
196.00	0.00	0.00	0.00	0.00	0.00	0.00	747.31	182.27	261.30	261.31	4.20	-0.21	0.000



## Seismic Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



Page: 74

<b>Load Case:</b> 0.9D + 1.0Ev + 1.0Eh						<b>Iterations</b> 26
<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>	0.08	<b>S1</b> 0.05
<b>Wind Load Factor</b>	0.00	<b>Structure Frequency (f1)</b>	0.28	<b>SA</b>	0.02	<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	
2.00		737.83	1.00	28.96	0.00	
4.00		732.67	3.00	28.76	0.00	
6.00		727.51	5.00	28.56	0.01	
8.00		722.35	7.00	28.35	0.02	
10.00		717.19	9.00	28.15	0.03	
12.00		712.03	11.00	27.95	0.04	
14.00		706.87	13.00	27.75	0.06	
16.00		701.71	15.00	27.54	0.07	
18.00		696.55	17.00	27.34	0.09	
20.00		691.38	19.00	27.14	0.11	
22.00		686.22	21.00	26.94	0.14	
24.00		681.06	23.00	26.73	0.16	
26.00		675.90	25.00	26.53	0.19	
28.00		670.74	27.00	26.33	0.22	
30.00	Appurtenance(s)	675.58	29.00	26.52	0.25	
32.00		660.42	31.00	25.92	0.28	
34.00		655.26	33.00	25.72	0.31	
35.50	Bot - Section 2	488.06	34.75	19.16	0.19	
36.00		294.96	35.75	11.58	0.07	
38.00		1173.6	37.00	46.07	1.24	
40.00		1163.6	39.00	45.68	1.36	
42.00		1153.6	41.00	45.28	1.48	
43.00	Top - Section 1	573.09	42.50	22.50	0.39	
44.00		300.42	43.50	11.79	0.11	
46.00		597.22	45.00	23.44	0.48	
48.00		592.40	47.00	23.25	0.51	
50.00		587.58	49.00	23.06	0.55	
52.00		582.77	51.00	22.88	0.58	
54.00		577.95	53.00	22.69	0.62	
56.00		573.13	55.00	22.50	0.66	
58.00		568.32	57.00	22.31	0.69	
60.00		563.50	59.00	22.12	0.73	
62.00		558.68	61.00	21.93	0.77	
64.00		553.87	63.00	21.74	0.80	
66.00		549.05	65.00	21.55	0.84	
68.00		544.23	67.00	21.36	0.88	
70.00		539.42	69.00	21.17	0.91	
72.00		534.60	71.00	20.98	0.95	
74.00		529.78	73.00	20.80	0.99	
74.50	Bot - Section 3	131.69	74.25	5.17	0.06	
76.00		678.93	75.25	26.65	1.72	
78.00		897.41	77.00	35.23	3.15	
80.00		888.46	79.00	34.88	3.25	
81.00	Top - Section 2	440.88	80.50	17.31	0.83	
82.00		227.89	81.50	8.95	0.23	

## Seismic Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



Page: 75

84.00		452.68	83.00	17.77	0.93
86.00		448.55	85.00	17.61	0.96
88.00		444.42	87.00	17.45	0.99
90.00		440.29	89.00	17.28	1.01
92.00		436.17	91.00	17.12	1.04
94.00		432.04	93.00	16.96	1.06
96.00		427.91	95.00	16.80	1.09
98.00		423.78	97.00	16.63	1.11
100.00		419.65	99.00	16.47	1.14
102.00		415.52	101.00	16.31	1.16
104.00		411.39	103.00	16.15	1.18
106.00		407.27	105.00	15.99	1.21
108.00		403.14	107.00	15.82	1.23
110.00		399.01	109.00	15.66	1.25
112.00		394.88	111.00	15.50	1.27
114.00		390.75	113.00	15.34	1.29
116.00		386.62	115.00	15.18	1.30
118.00		382.49	117.00	15.01	1.32
118.75	Bot - Section 4	142.37	118.38	5.59	0.19
120.00		389.87	119.38	15.30	1.43
122.00		617.63	121.00	24.24	3.68
124.00	Top - Section 3	610.07	123.00	23.95	3.71
125.00	Appurtenance(s)	2530.6	124.50	99.34	65.47
126.00		160.83	125.50	6.31	0.27
128.00		319.09	127.00	12.53	1.08
130.00		315.65	129.00	12.39	1.09
132.00		312.20	131.00	12.26	1.10
134.00		308.76	133.00	12.12	1.11
136.00		305.32	135.00	11.98	1.12
138.00		301.88	137.00	11.85	1.13
140.00	Appurtenance(s)	3428.1	139.00	134.57	149.77
142.00		268.58	141.00	10.54	0.95
144.00		265.14	143.00	10.41	0.95
146.00		261.70	145.00	10.27	0.95
148.00		258.26	147.00	10.14	0.95
150.00	Appurtenance(s)	3377.9	149.00	132.60	167.08
152.00		224.29	151.00	8.80	0.76
154.00		220.85	153.00	8.67	0.75
154.75	Bot - Section 5	81.93	154.38	3.22	0.11
156.00		205.86	155.38	8.08	0.67
158.00		324.90	157.00	12.75	1.72
159.00	Top - Section 4	160.39	158.50	6.30	0.43
160.00		70.43	159.50	2.76	0.08
162.00		139.30	161.00	5.47	0.33
164.00		137.24	163.00	5.39	0.33
166.00		135.17	165.00	5.31	0.33
167.00	Appurtenance(s)	3183.3	166.50	124.96	185.29
168.00		53.61	167.50	2.10	0.05
170.00		105.67	169.00	4.15	0.21
172.00		103.60	171.00	4.07	0.21
174.00		101.54	173.00	3.99	0.20
176.00		99.47	175.00	3.90	0.20
178.00		97.41	177.00	3.82	0.20
180.00		95.34	179.00	3.74	0.19
182.00		93.28	181.00	3.66	0.19
184.00		91.22	183.00	3.58	0.18
186.00		89.15	185.00	3.50	0.18

## Seismic Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Struct Class:</b> II	Page: 76



188.00		87.09	187.00	3.42	0.17	
190.00		85.02	189.00	3.34	0.17	
192.00		82.96	191.00	3.26	0.17	
194.00		80.89	193.00	3.18	0.16	
195.00	Appurtenance(s)	2511.4	194.50	98.58	157.37	
196.00	Appurtenance(s)	43.28	195.50	1.70	0.05	
	<b>Totals:</b>	<b>59,111.9</b>		<b>2,320.3</b>	<b>800.3</b>	<b>Total Wind:</b> <u>59,159.5</u>

## Calculated Forces

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 77



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

<b>Gust Response Factor</b> 1.10	<b>Sds</b> 0.20	<b>Iterations</b> 26
<b>Dead Load Factor</b> 0.90	<b>Seismic Load Factor</b> 1.00	<b>Ss</b> 0.18
<b>Wind Load Factor</b> 0.00	<b>Structure Frequency (f1)</b> 0.28	<b>S1</b> 0.05
	<b>SA</b> 0.02	<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	-56.20	-0.80	0.00	-128.40	0.00	128.40	5795.46	1682.91	8909.80	7510.36		0.00	0.00	0.027
2.00	-55.50	-0.80	0.00	-126.80	0.00	126.80	5776.44	1669.60	8769.44	7426.09		0.00	0.00	0.027
4.00	-54.80	-0.80	0.00	-125.20	0.00	125.20	5757.00	1656.30	8630.20	7341.68		0.00	0.00	0.027
6.00	-54.11	-0.80	0.00	-123.60	0.00	123.60	5737.14	1642.99	8492.07	7257.12		0.00	0.00	0.026
8.00	-53.42	-0.80	0.00	-122.00	0.00	122.00	5716.84	1629.68	8355.05	7172.43		0.01	-0.01	0.026
10.00	-52.74	-0.80	0.00	-120.39	0.00	120.39	5696.12	1616.37	8219.15	7087.63		0.01	-0.01	0.026
12.00	-52.06	-0.81	0.00	-118.78	0.00	118.78	5674.97	1603.06	8084.36	7002.73		0.01	-0.01	0.026
14.00	-51.39	-0.81	0.00	-117.17	0.00	117.17	5653.40	1589.76	7950.69	6917.75		0.02	-0.01	0.026
16.00	-50.72	-0.81	0.00	-115.56	0.00	115.56	5631.39	1576.45	7818.13	6832.69		0.02	-0.01	0.026
18.00	-50.06	-0.81	0.00	-113.94	0.00	113.94	5608.96	1563.14	7686.69	6747.57		0.03	-0.01	0.026
20.00	-49.40	-0.81	0.00	-112.32	0.00	112.32	5586.10	1549.83	7556.36	6662.41		0.03	-0.02	0.026
22.00	-48.75	-0.81	0.00	-110.70	0.00	110.70	5562.81	1536.52	7427.15	6577.21		0.04	-0.02	0.026
24.00	-48.10	-0.81	0.00	-109.08	0.00	109.08	5539.10	1523.21	7299.05	6491.99		0.05	-0.02	0.025
26.00	-47.46	-0.81	0.00	-107.45	0.00	107.45	5514.96	1509.91	7172.06	6406.77		0.05	-0.02	0.025
28.00	-46.82	-0.81	0.00	-105.82	0.00	105.82	5490.39	1496.60	7046.19	6321.55		0.06	-0.02	0.025
30.00	-46.17	-0.82	0.00	-104.20	0.00	104.20	5465.39	1483.29	6921.43	6236.35		0.07	-0.02	0.025
32.00	-45.55	-0.82	0.00	-102.56	0.00	102.56	5439.96	1469.98	6797.79	6151.18		0.08	-0.03	0.025
34.00	-44.92	-0.82	0.00	-100.93	0.00	100.93	5414.11	1456.67	6675.26	6066.06		0.09	-0.03	0.025
35.50	-44.46	-0.82	0.00	-99.71	0.00	99.71	5394.44	1446.69	6584.09	6002.26		0.10	-0.03	0.025
36.00	-44.18	-0.82	0.00	-99.30	0.00	99.30	5387.83	1443.36	6553.84	5981.00		0.11	-0.03	0.025
38.00	-43.07	-0.82	0.00	-97.66	0.00	97.66	5361.12	1430.06	6433.54	5896.01		0.12	-0.03	0.025
40.00	-41.96	-0.82	0.00	-96.03	0.00	96.03	5333.99	1416.75	6314.36	5811.11		0.13	-0.03	0.024
42.00	-40.87	-0.82	0.00	-94.39	0.00	94.39	5306.43	1403.44	6196.29	5726.30		0.15	-0.03	0.024
43.00	-40.33	-0.82	0.00	-93.58	0.00	93.58	4823.70	1326.07	5927.09	5273.35		0.15	-0.04	0.026
44.00	-40.04	-0.82	0.00	-92.76	0.00	92.76	4812.47	1319.86	5871.70	5236.23		0.16	-0.04	0.026
46.00	-39.47	-0.82	0.00	-91.13	0.00	91.13	4789.68	1307.44	5761.71	5161.99		0.18	-0.04	0.026
48.00	-38.91	-0.82	0.00	-89.49	0.00	89.49	4766.46	1295.02	5652.75	5087.77		0.19	-0.04	0.026
50.00	-38.35	-0.82	0.00	-87.86	0.00	87.86	4742.82	1282.60	5544.84	5013.57		0.21	-0.04	0.026
52.00	-37.79	-0.82	0.00	-86.22	0.00	86.22	4718.75	1270.18	5437.96	4939.41		0.23	-0.04	0.025
54.00	-37.24	-0.82	0.00	-84.59	0.00	84.59	4694.25	1257.76	5332.12	4865.31		0.25	-0.05	0.025
56.00	-36.69	-0.82	0.00	-82.95	0.00	82.95	4669.32	1245.33	5227.33	4791.28		0.27	-0.05	0.025
58.00	-36.15	-0.82	0.00	-81.32	0.00	81.32	4643.97	1232.91	5123.57	4717.32		0.29	-0.05	0.025
60.00	-35.61	-0.82	0.00	-79.68	0.00	79.68	4618.19	1220.49	5020.86	4643.46		0.31	-0.05	0.025
62.00	-35.08	-0.82	0.00	-78.04	0.00	78.04	4591.98	1208.07	4919.18	4569.71		0.33	-0.05	0.025
64.00	-34.55	-0.82	0.00	-76.40	0.00	76.40	4565.34	1195.65	4818.55	4496.07		0.36	-0.06	0.025
66.00	-34.02	-0.82	0.00	-74.77	0.00	74.77	4538.28	1183.23	4718.95	4422.57		0.38	-0.06	0.024
68.00	-33.50	-0.82	0.00	-73.13	0.00	73.13	4510.78	1170.81	4620.40	4349.22		0.40	-0.06	0.024
70.00	-32.99	-0.82	0.00	-71.49	0.00	71.49	4482.87	1158.39	4522.88	4276.03		0.43	-0.06	0.024
72.00	-32.48	-0.82	0.00	-69.86	0.00	69.86	4454.52	1145.97	4426.41	4203.01		0.46	-0.07	0.024
74.00	-31.97	-0.82	0.00	-68.22	0.00	68.22	4425.74	1133.55	4330.97	4130.17		0.49	-0.07	0.024
74.50	-31.84	-0.82	0.00	-67.81	0.00	67.81	4418.48	1130.44	4307.27	4111.99		0.49	-0.07	0.024
76.00	-31.20	-0.82	0.00	-66.59	0.00	66.59	4396.54	1121.12	4236.58	4057.54		0.51	-0.07	0.024
78.00	-30.35	-0.81	0.00	-64.95	0.00	64.95	4366.91	1108.70	4143.22	3985.11		0.54	-0.07	0.023
80.00	-29.51	-0.81	0.00	-63.33	0.00	63.33	4336.86	1096.28	4050.91	3912.92		0.57	-0.07	0.023
81.00	-29.09	-0.81	0.00	-62.52	0.00	62.52	3502.12	951.57	3560.67	3204.59		0.59	-0.08	0.028
82.00	-28.87	-0.81	0.00	-61.71	0.00	61.71	3492.03	946.24	3520.94	3177.33		0.61	-0.08	0.028
84.00	-28.43	-0.81	0.00	-60.09	0.00	60.09	3471.52	935.60	3442.15	3122.83		0.64	-0.08	0.027

## Calculated Forces

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)  
**Gh:** 1.1

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

8/2/2023



Page: 78

86.00	-28.00	-0.81	0.00	-58.47	0.00	58.47	3450.59	924.95	3364.26	3068.38	0.67	-0.08	0.027
88.00	-27.58	-0.81	0.00	-56.86	0.00	56.86	3429.23	914.30	3287.26	3013.99	0.71	-0.08	0.027
90.00	-27.16	-0.81	0.00	-55.24	0.00	55.24	3407.44	903.66	3211.15	2959.67	0.74	-0.09	0.027
92.00	-26.74	-0.81	0.00	-53.62	0.00	53.62	3385.23	893.01	3135.93	2905.43	0.78	-0.09	0.026
94.00	-26.32	-0.81	0.00	-52.01	0.00	52.01	3362.58	882.36	3061.60	2851.28	0.82	-0.09	0.026
96.00	-25.91	-0.81	0.00	-50.39	0.00	50.39	3339.51	871.72	2988.16	2797.25	0.86	-0.09	0.026
98.00	-25.51	-0.81	0.00	-48.78	0.00	48.78	3316.01	861.07	2915.61	2743.33	0.90	-0.10	0.025
100.00	-25.10	-0.81	0.00	-47.17	0.00	47.17	3292.09	850.42	2843.96	2689.56	0.94	-0.10	0.025
102.00	-24.70	-0.80	0.00	-45.56	0.00	45.56	3267.73	839.78	2773.20	2635.93	0.98	-0.10	0.025
104.00	-24.31	-0.80	0.00	-43.95	0.00	43.95	3242.95	829.13	2703.33	2582.46	1.02	-0.10	0.025
106.00	-23.92	-0.80	0.00	-42.34	0.00	42.34	3217.75	818.48	2634.35	2529.17	1.07	-0.11	0.024
108.00	-23.53	-0.80	0.00	-40.74	0.00	40.74	3192.11	807.84	2566.26	2476.07	1.11	-0.11	0.024
110.00	-23.15	-0.80	0.00	-39.13	0.00	39.13	3166.05	797.19	2499.06	2423.18	1.16	-0.11	0.023
112.00	-22.77	-0.80	0.00	-37.53	0.00	37.53	3139.56	786.54	2432.76	2370.49	1.21	-0.12	0.023
114.00	-22.39	-0.80	0.00	-35.93	0.00	35.93	3112.64	775.90	2367.34	2318.04	1.26	-0.12	0.023
116.00	-22.02	-0.80	0.00	-34.33	0.00	34.33	3085.29	765.25	2302.82	2265.83	1.31	-0.12	0.022
118.00	-21.65	-0.80	0.00	-32.73	0.00	32.73	3057.52	754.60	2239.19	2213.87	1.36	-0.12	0.022
118.75	-21.51	-0.80	0.00	-32.14	0.00	32.14	3046.99	750.61	2215.56	2194.45	1.38	-0.12	0.022
120.00	-21.14	-0.80	0.00	-31.14	0.00	31.14	3029.32	743.96	2176.45	2162.18	1.41	-0.13	0.021
122.00	-20.55	-0.79	0.00	-29.55	0.00	29.55	3000.69	733.31	2114.60	2110.77	1.46	-0.13	0.021
124.00	-19.97	-0.79	0.00	-27.97	0.00	27.97	2338.57	722.66	2052.75	2059.26	1.51	-0.13	0.020
125.00	-17.59	-0.72	0.00	-27.18	0.00	27.18	2329.03	712.01	2036.80	2049.71	1.53	-0.13	0.020
126.00	-17.43	-0.72	0.00	-26.46	0.00	26.46	2319.39	701.36	2020.85	2039.16	1.55	-0.13	0.020
128.00	-17.13	-0.72	0.00	-25.03	0.00	25.03	2299.78	690.71	1999.99	2028.61	1.58	-0.14	0.020
130.00	-16.82	-0.71	0.00	-23.60	0.00	23.60	2279.74	680.06	1979.13	2018.06	1.61	-0.14	0.020
132.00	-16.52	-0.71	0.00	-22.17	0.00	22.17	2259.27	669.41	1958.27	2007.51	1.64	-0.14	0.020
134.00	-16.22	-0.71	0.00	-20.74	0.00	20.74	2238.38	658.76	1937.41	1996.96	1.67	-0.15	0.020
136.00	-15.92	-0.71	0.00	-19.31	0.00	19.31	2217.06	648.11	1916.55	1986.41	1.70	-0.15	0.020
138.00	-15.63	-0.71	0.00	-17.89	0.00	17.89	2195.31	637.46	1895.69	1975.86	1.73	-0.15	0.020
140.00	-12.40	-0.55	0.00	-16.47	0.00	16.47	2173.13	626.81	1874.83	1965.31	1.76	-0.15	0.020
142.00	-12.15	-0.55	0.00	-15.36	0.00	15.36	2150.53	616.16	1853.97	1954.76	1.79	-0.16	0.019
144.00	-11.89	-0.55	0.00	-14.26	0.00	14.26	2127.50	605.51	1833.11	1944.21	1.82	-0.16	0.019
146.00	-11.64	-0.55	0.00	-13.16	0.00	13.16	2104.04	594.86	1812.25	1933.66	1.85	-0.16	0.019
148.00	-11.39	-0.55	0.00	-12.06	0.00	12.06	2080.15	584.21	1791.39	1923.11	1.88	-0.16	0.019
150.00	-8.21	-0.37	0.00	-10.97	0.00	10.97	2055.84	573.56	1770.53	1912.56	1.91	-0.16	0.019
152.00	-8.00	-0.37	0.00	-10.22	0.00	10.22	2031.10	562.91	1749.67	1902.01	1.94	-0.17	0.019
154.00	-7.79	-0.37	0.00	-9.48	0.00	9.48	2005.93	552.26	1728.81	1891.46	1.97	-0.17	0.019
154.75	-7.71	-0.37	0.00	-9.20	0.00	9.20	1996.38	541.61	1717.95	1880.91	1.99	-0.17	0.019
156.00	-7.51	-0.37	0.00	-8.74	0.00	8.74	1980.33	530.96	1707.09	1870.36	2.02	-0.17	0.019
158.00	-7.21	-0.37	0.00	-8.00	0.00	8.00	1946.84	510.31	1686.23	1859.81	2.05	-0.17	0.019
159.00	-7.05	-0.37	0.00	-7.63	0.00	7.63	942.51	280.76	619.93	509.56	2.65	-0.17	0.022
160.00	-6.99	-0.37	0.00	-7.27	0.00	7.27	939.15	278.09	608.23	502.90	2.68	-0.17	0.022
162.00	-6.85	-0.37	0.00	-6.53	0.00	6.53	932.13	272.77	585.17	489.52	2.76	-0.18	0.021
164.00	-6.72	-0.37	0.00	-5.80	0.00	5.80	924.68	267.45	562.55	476.06	2.83	-0.18	0.019
166.00	-6.59	-0.36	0.00	-5.07	0.00	5.07	916.80	262.12	540.38	462.54	2.91	-0.18	0.018
167.00	-3.60	-0.17	0.00	-4.71	0.00	4.71	912.70	259.46	529.46	455.76	2.94	-0.18	0.014
168.00	-3.55	-0.17	0.00	-4.54	0.00	4.54	908.49	256.80	518.65	448.97	2.98	-0.18	0.014
170.00	-3.45	-0.17	0.00	-4.20	0.00	4.20	899.76	251.48	497.37	435.36	3.06	-0.19	0.013
172.00	-3.35	-0.17	0.00	-3.86	0.00	3.86	890.60	246.15	476.54	421.74	3.14	-0.19	0.013
174.00	-3.25	-0.17	0.00	-3.52	0.00	3.52	881.01	240.83	456.15	408.10	3.22	-0.19	0.012
176.00	-3.16	-0.17	0.00	-3.18	0.00	3.18	870.99	235.51	436.21	394.47	3.30	-0.19	0.012
178.00	-3.07	-0.17	0.00	-2.84	0.00	2.84	860.55	230.18	416.71	380.86	3.38	-0.20	0.011
180.00	-2.98	-0.17	0.00	-2.51	0.00	2.51	849.68	224.86	397.66	367.28	3.46	-0.20	0.010
182.00	-2.89	-0.17	0.00	-2.17	0.00	2.17	838.38	219.54	379.06	353.74	3.55	-0.20	0.010
184.00	-2.80	-0.17	0.00	-1.83	0.00	1.83	826.65	214.21	360.90	340.26	3.63	-0.20	0.009
186.00	-2.72	-0.17	0.00	-1.50	0.00	1.50	814.50	208.89	343.18	326.85	3.71	-0.20	0.008
188.00	-2.64	-0.17	0.00	-1.17	0.00	1.17	801.91	203.57	325.91	313.52	3.80	-0.20	0.007

## Calculated Forces

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 79



190.00	-2.55	-0.17	0.00	-0.83	0.00	0.83	788.90	198.24	309.09	300.29	3.89	-0.20	0.006
192.00	-2.48	-0.17	0.00	-0.50	0.00	0.50	775.47	192.92	292.71	287.17	3.97	-0.21	0.005
194.00	-2.40	-0.17	0.00	-0.17	0.00	0.17	761.60	187.60	276.78	274.17	4.06	-0.21	0.004
195.00	-0.04	0.00	0.00	0.00	0.00	0.00	754.51	184.94	268.98	267.73	4.10	-0.21	0.000
196.00	0.00	0.00	0.00	0.00	0.00	0.00	747.31	182.27	261.30	261.31	4.14	-0.21	0.000

## Wind Loading - Shaft

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Page:</b> 80
	<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** 29

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	6.646	7.31	305.15	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	6.646	7.31	302.76	0.950	0.000	2.00	11.000	10.45	76.4	0.0	650.0
4.00		1.00	0.85	6.646	7.31	300.36	0.950	0.000	2.00	10.913	10.37	75.8	0.0	644.9
6.00		1.00	0.85	6.646	7.31	297.96	0.950	0.000	2.00	10.826	10.28	75.2	0.0	639.7
8.00		1.00	0.85	6.646	7.31	295.57	0.950	0.000	2.00	10.740	10.20	74.6	0.0	634.5
10.00		1.00	0.85	6.646	7.31	293.17	0.950	0.000	2.00	10.653	10.12	74.0	0.0	629.4
12.00		1.00	0.85	6.646	7.31	290.78	0.950	0.000	2.00	10.566	10.04	73.4	0.0	624.2
14.00		1.00	0.85	6.646	7.31	288.38	0.950	0.000	2.00	10.479	9.96	72.8	0.0	619.1
16.00		1.00	0.86	6.728	7.40	287.75	0.950	0.000	2.00	10.393	9.87	73.1	0.0	613.9
18.00		1.00	0.88	6.897	7.59	288.90	0.950	0.000	2.00	10.306	9.79	74.3	0.0	608.7
20.00		1.00	0.90	7.052	7.76	289.65	0.950	0.000	2.00	10.219	9.71	75.3	0.0	603.6
22.00		1.00	0.92	7.195	7.91	290.08	0.950	0.000	2.00	10.133	9.63	76.2	0.0	598.4
24.00		1.00	0.94	7.328	8.06	290.23	0.950	0.000	2.00	10.046	9.54	76.9	0.0	593.3
26.00		1.00	0.95	7.452	8.20	290.15	0.950	0.000	2.00	9.959	9.46	77.6	0.0	588.1
28.00		1.00	0.97	7.570	8.33	289.87	0.950	0.000	2.00	9.873	9.38	78.1	0.0	582.9
30.00	Appurtenance(s)	1.00	0.98	7.680	8.45	289.41	0.950	0.000	2.00	9.786	9.30	78.5	0.0	577.8
32.00		1.00	1.00	7.785	8.56	288.79	0.950	0.000	2.00	9.699	9.21	78.9	0.0	572.6
34.00		1.00	1.01	7.885	8.67	288.03	0.950	0.000	2.00	9.613	9.13	79.2	0.0	567.5
35.50	Bot - Section 2	1.00	1.02	7.957	8.75	287.37	0.950	0.000	1.50	7.153	6.79	59.5	0.0	422.2
36.00		1.00	1.02	7.981	8.78	287.14	0.950	0.000	0.50	2.411	2.29	20.1	0.0	273.0
38.00		1.00	1.03	8.072	8.88	286.14	0.950	0.000	2.00	9.590	9.11	80.9	0.0	1085.8
40.00		1.00	1.04	8.160	8.98	285.03	0.950	0.000	2.00	9.504	9.03	81.0	0.0	1075.8
42.00		1.00	1.05	8.244	9.07	283.83	0.950	0.000	2.00	9.417	8.95	81.1	0.0	1065.8
43.00	Top - Section 1	1.00	1.06	8.285	9.11	283.20	0.950	0.000	1.00	4.676	4.44	40.5	0.0	529.2
44.00		1.00	1.06	8.325	9.16	287.22	0.950	0.000	1.00	4.654	4.42	40.5	0.0	256.5
46.00		1.00	1.07	8.404	9.24	285.87	0.950	0.000	2.00	9.243	8.78	81.2	0.0	509.4
48.00		1.00	1.08	8.479	9.33	284.45	0.950	0.000	2.00	9.157	8.70	81.1	0.0	504.6
50.00		1.00	1.09	8.552	9.41	282.95	0.950	0.000	2.00	9.070	8.62	81.1	0.0	499.8
52.00		1.00	1.10	8.623	9.49	281.40	0.950	0.000	2.00	8.983	8.53	81.0	0.0	495.0
54.00		1.00	1.11	8.692	9.56	279.78	0.950	0.000	2.00	8.897	8.45	80.8	0.0	490.1
56.00		1.00	1.12	8.759	9.63	278.10	0.950	0.000	2.00	8.810	8.37	80.6	0.0	485.3
58.00		1.00	1.13	8.824	9.71	276.37	0.950	0.000	2.00	8.723	8.29	80.4	0.0	480.5
60.00		1.00	1.14	8.887	9.78	274.59	0.950	0.000	2.00	8.637	8.20	80.2	0.0	475.7
62.00		1.00	1.14	8.949	9.84	272.76	0.950	0.000	2.00	8.550	8.12	80.0	0.0	470.9
64.00		1.00	1.15	9.009	9.91	270.88	0.950	0.000	2.00	8.463	8.04	79.7	0.0	466.1
66.00		1.00	1.16	9.067	9.97	268.96	0.950	0.000	2.00	8.377	7.96	79.4	0.0	461.2
68.00		1.00	1.17	9.124	10.04	267.00	0.950	0.000	2.00	8.290	7.88	79.0	0.0	456.4
70.00		1.00	1.17	9.180	10.10	265.00	0.950	0.000	2.00	8.203	7.79	78.7	0.0	451.6
72.00		1.00	1.18	9.235	10.16	262.97	0.950	0.000	2.00	8.117	7.71	78.3	0.0	446.8
74.00		1.00	1.19	9.288	10.22	260.89	0.950	0.000	2.00	8.030	7.63	77.9	0.0	442.0
74.50	Bot - Section 3	1.00	1.19	9.301	10.23	260.37	0.950	0.000	0.50	1.994	1.89	19.4	0.0	109.7
76.00		1.00	1.19	9.341	10.27	258.79	0.950	0.000	1.50	6.046	5.74	59.0	0.0	613.1
78.00		1.00	1.20	9.392	10.33	256.65	0.950	0.000	2.00	7.986	7.59	78.4	0.0	809.6
80.00		1.00	1.21	9.442	10.39	254.48	0.950	0.000	2.00	7.899	7.50	77.9	0.0	800.7
81.00	Top - Section 2	1.00	1.21	9.467	10.41	253.38	0.950	0.000	1.00	3.917	3.72	38.8	0.0	397.0
82.00		1.00	1.21	9.491	10.44	256.55	0.950	0.000	1.00	3.895	3.70	38.6	0.0	184.0
84.00		1.00	1.22	9.539	10.49	254.33	0.950	0.000	2.00	7.726	7.34	77.0	0.0	364.9

## Wind Loading - Shaft

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)  
**Gh:** 1.1

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

8/2/2023



Page: 81

Height (ft)	Topography	Struct Class	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
86.00	1.00	1.23	9.587	10.55	252.09	0.950	0.000	2.00	7.639	7.26	76.5	0.0	360.7	
88.00	1.00	1.23	9.633	10.60	249.81	0.950	0.000	2.00	7.552	7.17	76.0	0.0	356.6	
90.00	1.00	1.24	9.679	10.65	247.52	0.950	0.000	2.00	7.466	7.09	75.5	0.0	352.5	
92.00	1.00	1.24	9.724	10.70	245.19	0.950	0.000	2.00	7.379	7.01	75.0	0.0	348.4	
94.00	1.00	1.25	9.768	10.74	242.84	0.950	0.000	2.00	7.292	6.93	74.4	0.0	344.2	
96.00	1.00	1.25	9.811	10.79	240.47	0.950	0.000	2.00	7.206	6.85	73.9	0.0	340.1	
98.00	1.00	1.26	9.854	10.84	238.08	0.950	0.000	2.00	7.119	6.76	73.3	0.0	336.0	
100.00	1.00	1.27	9.896	10.89	235.66	0.950	0.000	2.00	7.032	6.68	72.7	0.0	331.8	
102.00	1.00	1.27	9.937	10.93	233.22	0.950	0.000	2.00	6.946	6.60	72.1	0.0	327.7	
104.00	1.00	1.28	9.978	10.98	230.77	0.950	0.000	2.00	6.859	6.52	71.5	0.0	323.6	
106.00	1.00	1.28	10.018	11.02	228.29	0.950	0.000	2.00	6.772	6.43	70.9	0.0	319.5	
108.00	1.00	1.29	10.058	11.06	225.79	0.950	0.000	2.00	6.686	6.35	70.3	0.0	315.3	
110.00	1.00	1.29	10.097	11.11	223.27	0.950	0.000	2.00	6.599	6.27	69.6	0.0	311.2	
112.00	1.00	1.30	10.135	11.15	220.74	0.950	0.000	2.00	6.512	6.19	69.0	0.0	307.1	
114.00	1.00	1.30	10.173	11.19	218.19	0.950	0.000	2.00	6.426	6.10	68.3	0.0	302.9	
116.00	1.00	1.31	10.210	11.23	215.62	0.950	0.000	2.00	6.339	6.02	67.6	0.0	298.8	
118.00	1.00	1.31	10.247	11.27	213.03	0.950	0.000	2.00	6.252	5.94	66.9	0.0	294.7	
118.75 Bot - Section 4	1.00	1.31	10.261	11.29	212.06	0.950	0.000	0.75	2.322	2.21	24.9	0.0	109.4	
120.00	1.00	1.32	10.283	11.31	210.43	0.950	0.000	1.25	3.911	3.72	42.0	0.0	335.0	
122.00	1.00	1.32	10.319	11.35	207.81	0.950	0.000	2.00	6.187	5.88	66.7	0.0	529.8	
124.00 Top - Section 3	1.00	1.32	10.355	11.39	205.18	0.950	0.000	2.00	6.100	5.79	66.0	0.0	522.3	
125.00 Appurtenance(s)	1.00	1.33	10.372	11.41	207.58	0.950	0.000	1.00	3.017	2.87	32.7	0.0	118.7	
126.00	1.00	1.33	10.389	11.43	206.26	0.950	0.000	1.00	2.996	2.85	32.5	0.0	117.8	
128.00	1.00	1.33	10.424	11.47	203.60	0.950	0.000	2.00	5.927	5.63	64.6	0.0	233.1	
130.00	1.00	1.34	10.458	11.50	200.93	0.950	0.000	2.00	5.840	5.55	63.8	0.0	229.6	
132.00	1.00	1.34	10.492	11.54	198.24	0.950	0.000	2.00	5.753	5.47	63.1	0.0	226.2	
134.00	1.00	1.35	10.525	11.58	195.54	0.950	0.000	2.00	5.667	5.38	62.3	0.0	222.8	
136.00	1.00	1.35	10.558	11.61	192.82	0.950	0.000	2.00	5.580	5.30	61.6	0.0	219.3	
138.00	1.00	1.35	10.590	11.65	190.10	0.950	0.000	2.00	5.493	5.22	60.8	0.0	215.9	
140.00 Appurtenance(s)	1.00	1.36	10.623	11.68	187.36	0.950	0.000	2.00	5.406	5.14	60.0	0.0	212.4	
142.00	1.00	1.36	10.654	11.72	184.60	0.950	0.000	2.00	5.320	5.05	59.2	0.0	209.0	
144.00	1.00	1.37	10.686	11.75	181.84	0.950	0.000	2.00	5.233	4.97	58.4	0.0	205.6	
146.00	1.00	1.37	10.717	11.79	179.06	0.950	0.000	2.00	5.146	4.89	57.6	0.0	202.1	
148.00	1.00	1.37	10.748	11.82	176.27	0.950	0.000	2.00	5.060	4.81	56.8	0.0	198.7	
150.00 Appurtenance(s)	1.00	1.38	10.778	11.86	173.47	0.950	0.000	2.00	4.973	4.72	56.0	0.0	195.2	
152.00	1.00	1.38	10.808	11.89	170.66	0.950	0.000	2.00	4.886	4.64	55.2	0.0	191.8	
154.00	1.00	1.39	10.838	11.92	167.83	0.950	0.000	2.00	4.800	4.56	54.4	0.0	188.4	
154.75 Bot - Section 5	1.00	1.39	10.849	11.93	166.77	0.950	0.000	0.75	1.778	1.69	20.2	0.0	69.7	
156.00	1.00	1.39	10.867	11.95	165.00	0.950	0.000	1.25	2.976	2.83	33.8	0.0	185.5	
158.00	1.00	1.39	10.896	11.99	162.15	0.950	0.000	2.00	4.691	4.46	53.4	0.0	292.4	
159.00 Top - Section 4	1.00	1.40	10.911	12.00	160.73	0.950	0.000	1.00	2.313	2.20	26.4	0.0	144.1	
160.00	1.00	1.40	10.925	12.02	161.59	0.950	0.000	1.00	2.291	2.18	26.2	0.0	54.2	
162.00	1.00	1.40	10.954	12.05	158.73	0.950	0.000	2.00	4.518	4.29	51.7	0.0	106.8	
164.00	1.00	1.40	10.982	12.08	155.85	0.950	0.000	2.00	4.431	4.21	50.9	0.0	104.7	
166.00	1.00	1.41	11.010	12.11	152.97	0.950	0.000	2.00	4.344	4.13	50.0	0.0	102.7	
167.00 Appurtenance(s)	1.00	1.41	11.024	12.13	151.52	0.950	0.000	1.00	2.140	2.03	24.6	0.0	50.6	
168.00	1.00	1.41	11.038	12.14	150.07	0.950	0.000	1.00	2.118	2.01	24.4	0.0	50.0	
170.00	1.00	1.42	11.066	12.17	147.17	0.950	0.000	2.00	4.171	3.96	48.2	0.0	98.6	
172.00	1.00	1.42	11.093	12.20	144.26	0.950	0.000	2.00	4.084	3.88	47.3	0.0	96.5	
174.00	1.00	1.42	11.120	12.23	141.33	0.950	0.000	2.00	3.997	3.80	46.5	0.0	94.4	
176.00	1.00	1.43	11.147	12.26	138.40	0.950	0.000	2.00	3.911	3.72	45.6	0.0	92.4	
178.00	1.00	1.43	11.173	12.29	135.46	0.950	0.000	2.00	3.824	3.63	44.7	0.0	90.3	
180.00	1.00	1.43	11.200	12.32	132.51	0.950	0.000	2.00	3.737	3.55	43.7	0.0	88.2	
182.00	1.00	1.44	11.226	12.35	129.55	0.950	0.000	2.00	3.651	3.47	42.8	0.0	86.2	
184.00	1.00	1.44	11.252	12.38	126.58	0.950	0.000	2.00	3.564	3.39	41.9	0.0	84.1	
186.00	1.00	1.44	11.277	12.40	123.61	0.950	0.000	2.00	3.477	3.30	41.0	0.0	82.0	
188.00	1.00	1.45	11.303	12.43	120.62	0.950	0.000	2.00	3.391	3.22	40.0	0.0	80.0	



## Wind Loading - Shaft

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)  
**Gh:** 1.1

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

8/2/2023



Page: 82

190.00	1.00	1.45	11.328	12.46	117.63	0.950	0.000	2.00	3.304	3.14	39.1	0.0	77.9
192.00	1.00	1.45	11.353	12.49	114.63	0.950	0.000	2.00	3.217	3.06	38.2	0.0	75.8
194.00	1.00	1.46	11.378	12.52	111.62	0.950	0.000	2.00	3.131	2.97	37.2	0.0	73.8
195.00 Appurtenance(s)	1.00	1.46	11.390	12.53	110.11	0.950	0.000	1.00	1.533	1.46	18.2	0.0	36.1
196.00 Appurtenance(s)	1.00	1.46	11.402	12.54	108.60	0.950	0.000	1.00	1.511	1.44	18.0	0.0	35.6
<b>Totals:</b>								<b>196.00</b>			<b>6,558.8</b>		<b>38,078.0</b>

## Discrete Appurtenance Forces

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)  
**Gh:** 1.1

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

8/2/2023  
 Page: 83



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

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



**Iterations** 29

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	196.00	6' Lightning rod	1	11.402	12.542	1.00	1.00	0.38	6.50	0.000	0.000	4.77	0.00	0.00
2	195.00	800MHz Filter	3	11.390	12.529	0.40	0.80	0.94	26.40	0.000	0.000	11.73	0.00	0.00
3	195.00	ACU-A20-N	4	11.390	12.529	0.40	0.80	0.22	4.00	0.000	0.000	2.81	0.00	0.00
4	195.00	APXVSP18-C-A20	3	11.390	12.529	0.71	0.85	16.97	171.00	0.000	0.000	212.67	0.00	0.00
5	195.00	APXVTM14-C-120	3	11.390	12.529	0.67	0.85	12.77	168.00	0.000	0.000	160.02	0.00	0.00
6	195.00	1900MHz RRH	3	11.390	12.529	0.40	0.80	4.56	132.00	0.000	0.000	57.13	0.00	0.00
7	195.00	TD-RRH8x20-25	3	11.390	12.529	0.40	0.80	4.86	210.00	0.000	0.000	60.89	0.00	0.00
8	195.00	800MHz RRH	3	11.390	12.529	0.40	0.80	3.17	178.50	0.000	0.000	39.69	0.00	0.00
9	195.00	Low Profile Platform	1	11.390	12.529	1.00	1.00	28.50	1122.00	0.000	0.000	357.08	0.00	0.00
10	195.00	Mount Pipes	12	11.390	12.529	0.90	0.90	16.74	459.84	0.000	0.000	209.74	0.00	0.00
11	167.00	RFS	3	11.024	12.127	0.55	0.75	33.24	368.40	0.000	0.000	403.14	0.00	0.00
12	167.00	Mount Pipes	12	11.024	12.127	0.75	0.75	12.87	459.84	0.000	0.000	156.07	0.00	0.00
13	167.00	Ericsson AIR6449 B41	3	11.024	12.127	0.53	0.75	9.03	309.00	0.000	0.000	109.45	0.00	0.00
14	167.00	Low Profile Platform	1	11.024	12.127	1.00	1.00	31.07	1343.30	0.000	0.000	376.78	0.00	0.00
15	167.00	KRY 112 144/1	3	11.024	12.127	0.38	0.75	0.46	33.00	0.000	0.000	5.59	0.00	0.00
16	167.00	Ericsson 4449 B71 + B85	3	11.024	12.127	0.38	0.75	2.22	219.60	0.000	0.000	26.88	0.00	0.00
17	167.00	Ericsson 4460 B25 + B66	3	11.024	12.127	0.38	0.75	2.41	312.00	0.000	0.000	29.20	0.00	0.00
18	167.00	Commscope VV-65A-R1	3	11.024	12.127	0.55	0.75	9.75	71.43	0.000	0.000	118.24	0.00	0.00
19	150.00	DC6-48-60-18-8F	2	10.778	11.856	0.38	0.75	1.10	63.60	0.000	0.000	13.07	0.00	0.00
20	150.00	LGP13519	6	10.778	11.856	0.38	0.75	0.77	31.80	0.000	0.000	9.07	0.00	0.00
21	150.00	LGP21401	6	10.778	11.856	0.38	0.75	2.90	84.60	0.000	0.000	34.41	0.00	0.00
22	150.00	7700.00	3	10.778	11.856	0.59	0.75	3.08	48.00	0.000	0.000	36.46	0.00	0.00
23	150.00	B2 B66A 8843	3	10.778	11.856	0.38	0.75	1.84	210.00	0.000	0.000	21.87	0.00	0.00
24	150.00	Mount Pipes	12	10.778	11.856	0.75	0.75	13.14	459.84	0.000	0.000	155.78	0.00	0.00
25	150.00	Low Profile Platform	1	10.778	11.856	1.00	1.00	24.56	1335.00	0.000	0.000	291.18	0.00	0.00
26	150.00	Handrail Kit	1	10.778	11.856	0.75	0.75	3.42	245.00	0.000	0.000	40.55	0.00	0.00
27	150.00	4449 B5/B12	3	10.778	11.856	0.38	0.75	2.22	213.00	0.000	0.000	26.28	0.00	0.00
28	150.00	800 10966	2	10.778	11.856	0.54	0.75	18.75	251.40	0.000	0.000	222.28	0.00	0.00
29	150.00	80010964	1	10.778	11.856	0.53	0.75	5.32	94.80	0.000	0.000	63.13	0.00	0.00
30	150.00	HPA65R-BU4A	3	10.778	11.856	0.64	0.75	9.49	86.10	0.000	0.000	112.46	0.00	0.00
31	140.00	MX06FRO660-03	6	10.623	11.685	0.65	0.75	38.64	360.00	0.000	0.000	451.51	0.00	0.00
32	140.00	MT6407-77A	3	10.646	11.711	0.52	0.75	7.36	238.20	0.000	1.500	86.14	0.00	129.21
33	140.00	XXDWMM-12.5-65-8TCBR	3	10.590	11.649	0.61	0.75	1.64	69.42	0.000	-2.000	19.13	0.00	-38.26
34	140.00	RF4439d 25A	3	10.623	11.685	0.38	0.75	5.16	224.10	0.000	0.000	60.34	0.00	0.00
35	140.00	RVZDC-6627-PF-48	1	10.623	11.685	0.38	0.75	1.52	32.00	0.000	0.000	17.79	0.00	0.00
36	140.00	RF4440d 13a	3	10.623	11.685	0.38	0.75	4.66	210.99	0.000	0.000	54.42	0.00	0.00
37	140.00	KA-6030	2	10.623	11.685	0.38	0.75	0.72	35.20	0.000	0.000	8.41	0.00	0.00
38	140.00	Platform w/Handrail	1	10.623	11.685	1.00	1.00	25.00	1500.00	0.000	0.000	292.12	0.00	0.00
39	140.00	Mount Pipes	12	10.623	11.685	0.75	0.75	12.60	459.84	0.000	0.000	147.23	0.00	0.00
40	125.00	Commscope	1	10.372	11.409	0.67	0.67	22.93	1736.00	0.000	0.000	261.66	0.00	0.00
41	125.00	Raycap	1	10.372	11.409	0.38	0.75	0.75	21.90	0.000	0.000	8.60	0.00	0.00
42	125.00	Fujitsu TA08025-B604	3	10.372	11.409	0.38	0.75	2.21	191.70	0.000	0.000	25.16	0.00	0.00
43	125.00	Fujitsu TA08025-B605	3	10.372	11.409	0.38	0.75	2.21	225.00	0.000	0.000	25.16	0.00	0.00
44	125.00	JMA Wireless	3	10.372	11.409	0.55	0.75	20.80	193.50	0.000	0.000	237.27	0.00	0.00
45	30.00	GPS	1	7.680	8.448	1.00	1.00	1.00	10.00	0.000	0.000	8.45	0.00	0.00
<b>Totals:</b>									<b>14,225.80</b>			<b>5,071.78</b>		

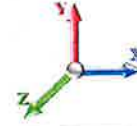
## Total Applied Force Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 84



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

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



**Iterations** 29

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
2.00		76.40	747.59	0.00	0.00
4.00		75.79	742.43	0.00	0.00
6.00		75.19	737.27	0.00	0.00
8.00		74.59	732.11	0.00	0.00
10.00		73.99	726.94	0.00	0.00
12.00		73.39	721.78	0.00	0.00
14.00		72.78	716.62	0.00	0.00
16.00		73.07	711.46	0.00	0.00
18.00		74.28	706.30	0.00	0.00
20.00		75.31	701.14	0.00	0.00
22.00		76.18	695.98	0.00	0.00
24.00		76.93	690.82	0.00	0.00
26.00		77.56	685.66	0.00	0.00
28.00		78.10	680.50	0.00	0.00
30.00	(1) attachments	86.99	685.34	0.00	0.00
32.00		78.91	670.18	0.00	0.00
34.00		79.21	665.02	0.00	0.00
35.50		59.48	495.38	0.00	0.00
36.00		20.11	297.40	0.00	0.00
38.00		80.90	1183.37	0.00	0.00
40.00		81.04	1173.39	0.00	0.00
42.00		81.13	1163.42	0.00	0.00
43.00		40.48	577.97	0.00	0.00
44.00		40.49	305.29	0.00	0.00
46.00		81.17	606.97	0.00	0.00
48.00		81.14	602.16	0.00	0.00
50.00		81.06	597.34	0.00	0.00
52.00		80.95	592.52	0.00	0.00
54.00		80.81	587.71	0.00	0.00
56.00		80.64	582.89	0.00	0.00
58.00		80.44	578.07	0.00	0.00
60.00		80.21	573.26	0.00	0.00
62.00		79.95	568.44	0.00	0.00
64.00		79.67	563.62	0.00	0.00
66.00		79.37	558.81	0.00	0.00
68.00		79.04	553.99	0.00	0.00
70.00		78.70	549.17	0.00	0.00
72.00		78.33	544.36	0.00	0.00
74.00		77.94	539.54	0.00	0.00
74.50		19.38	134.13	0.00	0.00
76.00		59.02	686.24	0.00	0.00
78.00		78.38	907.16	0.00	0.00
80.00		77.94	898.22	0.00	0.00
81.00		38.75	445.75	0.00	0.00
82.00		38.64	232.77	0.00	0.00
84.00		77.02	462.44	0.00	0.00

## Total Applied Force Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



86.00		76.53	458.31	0.00	0.00
88.00		76.03	454.18	0.00	0.00
90.00		75.51	450.05	0.00	0.00
92.00		74.98	445.92	0.00	0.00
94.00		74.44	441.79	0.00	0.00
96.00		73.88	437.66	0.00	0.00
98.00		73.31	433.54	0.00	0.00
100.00		72.72	429.41	0.00	0.00
102.00		72.13	425.28	0.00	0.00
104.00		71.52	421.15	0.00	0.00
106.00		70.90	417.02	0.00	0.00
108.00		70.27	412.89	0.00	0.00
110.00		69.63	408.76	0.00	0.00
112.00		68.97	404.64	0.00	0.00
114.00		68.31	400.51	0.00	0.00
116.00		67.63	396.38	0.00	0.00
118.00		66.95	392.25	0.00	0.00
118.75		24.90	146.03	0.00	0.00
120.00		42.02	395.96	0.00	0.00
122.00		66.71	627.39	0.00	0.00
124.00		66.00	619.82	0.00	0.00
125.00	(11) attachments	590.55	2535.57	0.00	0.00
126.00		32.53	165.61	0.00	0.00
128.00		64.56	328.64	0.00	0.00
130.00		63.82	325.20	0.00	0.00
132.00		63.08	321.76	0.00	0.00
134.00		62.32	318.32	0.00	0.00
136.00		61.56	314.88	0.00	0.00
138.00		60.79	311.44	0.00	0.00
140.00	(34) attachments	1197.10	3437.75	0.00	90.95
142.00		59.23	275.20	0.00	0.00
144.00		58.44	271.76	0.00	0.00
146.00		57.63	268.32	0.00	0.00
148.00		56.83	264.88	0.00	0.00
150.00	(43) attachments	1082.55	3384.58	0.00	0.00
152.00		55.19	227.90	0.00	0.00
154.00		54.36	224.46	0.00	0.00
154.75		20.15	83.28	0.00	0.00
156.00		33.79	208.11	0.00	0.00
158.00		53.42	328.51	0.00	0.00
159.00		26.37	162.19	0.00	0.00
160.00		26.16	72.23	0.00	0.00
162.00		51.71	142.91	0.00	0.00
164.00		50.85	140.85	0.00	0.00
166.00		49.98	138.78	0.00	0.00
167.00	(31) attachments	1250.00	3185.19	0.00	0.00
168.00		24.43	54.00	0.00	0.00
170.00		48.23	106.46	0.00	0.00
172.00		47.34	104.39	0.00	0.00
174.00		46.45	102.33	0.00	0.00
176.00		45.55	100.26	0.00	0.00
178.00		44.65	98.20	0.00	0.00
180.00		43.74	96.13	0.00	0.00
182.00		42.83	94.07	0.00	0.00
184.00		41.91	92.01	0.00	0.00
186.00		40.98	89.94	0.00	0.00
188.00		40.05	87.88	0.00	0.00

## Total Applied Force Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Struct Class:</b> II	Page: 86



190.00		39.11	85.81	0.00	0.00
192.00		38.17	83.75	0.00	0.00
194.00		37.22	81.68	0.00	0.00
195.00	(35) attachments	1129.99	2511.81	0.00	0.00
196.00	(1) attachments	22.77	43.41	0.00	0.00
	<b>Totals:</b>	<b>11,630.60</b>	<b>59,868.36</b>	<b>0.00</b>	<b>90.95</b>

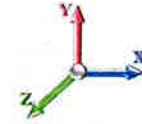
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	<b>8/2/2023</b>
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		<b>Page:</b> 87



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

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



**Iterations** 29

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)
2.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.030	0.000	6.646	0.00	0.55
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.030	0.000	6.646	0.00	2.08
2.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.030	0.000	6.646	0.00	24.96
2.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.030	0.000	6.646	0.00	4.40
4.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	6.646	0.00	0.55
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	6.646	0.00	2.08
4.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	6.646	0.00	24.96
4.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.031	0.000	6.646	0.00	4.40
6.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	6.646	0.00	0.55
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	6.646	0.00	2.08
6.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	6.646	0.00	24.96
6.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.031	0.000	6.646	0.00	4.40
8.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	6.646	0.00	0.55
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	6.646	0.00	2.08
8.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	6.646	0.00	24.96
8.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.031	0.000	6.646	0.00	4.40
10.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	6.646	0.00	0.55
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	6.646	0.00	2.08
10.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.031	0.000	6.646	0.00	24.96
10.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.031	0.000	6.646	0.00	4.40
12.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	6.646	0.00	0.55
12.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	6.646	0.00	2.08
12.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	6.646	0.00	24.96
12.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.032	0.000	6.646	0.00	4.40
14.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	6.646	0.00	0.55
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	6.646	0.00	2.08
14.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	6.646	0.00	24.96
14.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.032	0.000	6.646	0.00	4.40
16.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	6.728	0.00	0.55
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	6.728	0.00	2.08
16.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	6.728	0.00	24.96
16.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.032	0.000	6.728	0.00	4.40
18.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	6.897	0.00	0.55
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	6.897	0.00	2.08
18.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.032	0.000	6.897	0.00	24.96
18.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.032	0.000	6.897	0.00	4.40
20.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	7.052	0.00	0.55
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	7.052	0.00	2.08
20.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	7.052	0.00	24.96
20.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.033	0.000	7.052	0.00	4.40
22.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	7.195	0.00	0.55
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	7.195	0.00	2.08
22.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	7.195	0.00	24.96
22.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.033	0.000	7.195	0.00	4.40
24.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	7.328	0.00	0.55
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	7.328	0.00	2.08
24.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	7.328	0.00	24.96

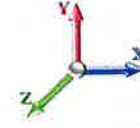
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 88



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

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



**Iterations** 29

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)
24.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.033	0.000	7.328	0.00	4.40
26.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	7.452	0.00	0.55
26.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	7.452	0.00	2.08
26.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.033	0.000	7.452	0.00	24.96
26.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.033	0.000	7.452	0.00	4.40
28.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	7.570	0.00	0.55
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	7.570	0.00	2.08
28.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	7.570	0.00	24.96
28.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.034	0.000	7.570	0.00	4.40
30.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	7.680	0.00	0.55
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	7.680	0.00	2.08
30.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	7.680	0.00	24.96
30.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.034	0.000	7.680	0.00	4.40
32.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	7.785	0.00	0.55
32.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	7.785	0.00	2.08
32.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.034	0.000	7.785	0.00	24.96
32.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.034	0.000	7.785	0.00	4.40
34.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	7.885	0.00	0.55
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	7.885	0.00	2.08
34.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	7.885	0.00	24.96
34.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.035	0.000	7.885	0.00	4.40
34.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.035	0.000	7.885	0.00	0.41
35.50	Safety Cable	Yes	1.50	0.000	0.00	0.00	0.00	0.035	0.000	7.957	0.00	1.56
35.50	Step bolts (ladder)	Yes	1.50	0.000	0.00	0.00	0.00	0.035	0.000	7.957	0.00	18.72
35.50	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.035	0.000	7.957	0.00	3.30
35.50	1 5/8" Hybrid	Yes	1.50	0.000	2.00	0.25	0.00	0.035	0.000	7.957	0.00	0.14
36.00	Safety Cable	Yes	0.50	0.000	0.00	0.00	0.00	0.035	0.000	7.981	0.00	0.52
36.00	Step bolts (ladder)	Yes	0.50	0.000	0.00	0.00	0.00	0.035	0.000	7.981	0.00	6.24
36.00	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.035	0.000	7.981	0.00	1.10
36.00	1 5/8" Hybrid	Yes	0.50	0.000	2.00	0.08	0.00	0.035	0.000	7.981	0.00	0.55
38.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	8.072	0.00	2.08
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	8.072	0.00	24.96
38.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.035	0.000	8.072	0.00	4.40
38.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.035	0.000	8.072	0.00	0.55
40.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	8.160	0.00	2.08
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	8.160	0.00	24.96
40.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	8.160	0.00	4.40
40.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.036	0.000	8.160	0.00	0.55
42.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	8.244	0.00	2.08
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	8.244	0.00	24.96
42.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	8.244	0.00	4.40
42.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.036	0.000	8.244	0.00	0.27
43.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	8.285	0.00	1.04
43.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	8.285	0.00	12.48
43.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	8.285	0.00	2.20
43.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.036	0.000	8.285	0.00	0.27
44.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	8.325	0.00	1.04
44.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	8.325	0.00	12.48

## Linear Appurtenance Segment Forces (Factored)

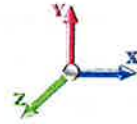
<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



Page: 89

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

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



**Iterations** 29

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)
44.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.036	0.000	8.325	0.00	12.48
44.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.036	0.000	8.325	0.00	2.20
46.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	8.404	0.00	0.55
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	8.404	0.00	2.08
46.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	8.404	0.00	24.96
46.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.036	0.000	8.404	0.00	4.40
48.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	8.479	0.00	0.55
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	8.479	0.00	2.08
48.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.036	0.000	8.479	0.00	24.96
48.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.036	0.000	8.479	0.00	4.40
50.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	8.552	0.00	0.55
50.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	8.552	0.00	2.08
50.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	8.552	0.00	24.96
50.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.037	0.000	8.552	0.00	4.40
52.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	8.623	0.00	0.55
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	8.623	0.00	2.08
52.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	8.623	0.00	24.96
52.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.037	0.000	8.623	0.00	4.40
54.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	8.692	0.00	0.55
54.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	8.692	0.00	2.08
54.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.037	0.000	8.692	0.00	24.96
54.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.037	0.000	8.692	0.00	4.40
56.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	8.759	0.00	0.55
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	8.759	0.00	2.08
56.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	8.759	0.00	24.96
56.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.038	0.000	8.759	0.00	4.40
58.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	8.824	0.00	0.55
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	8.824	0.00	2.08
58.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.038	0.000	8.824	0.00	24.96
58.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.038	0.000	8.824	0.00	4.40
60.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	8.887	0.00	0.55
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	8.887	0.00	2.08
60.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	8.887	0.00	24.96
60.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.039	0.000	8.887	0.00	4.40
62.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	8.949	0.00	0.55
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	8.949	0.00	2.08
62.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	8.949	0.00	24.96
62.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.039	0.000	8.949	0.00	4.40
64.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	9.009	0.00	0.55
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	9.009	0.00	2.08
64.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.039	0.000	9.009	0.00	24.96
64.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.039	0.000	9.009	0.00	4.40
66.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	9.067	0.00	0.55
66.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	9.067	0.00	2.08
66.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	9.067	0.00	24.96
66.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.040	0.000	9.067	0.00	4.40
68.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	9.124	0.00	0.55



## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 90



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

**Iterations** 29

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



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)
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	9.124	0.00	2.08
68.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.040	0.000	9.124	0.00	24.96
68.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.040	0.000	9.124	0.00	4.40
70.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	9.180	0.00	0.55
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	9.180	0.00	2.08
70.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	9.180	0.00	24.96
70.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.041	0.000	9.180	0.00	4.40
72.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	9.235	0.00	0.55
72.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	9.235	0.00	2.08
72.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.041	0.000	9.235	0.00	24.96
72.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.041	0.000	9.235	0.00	4.40
74.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	9.288	0.00	0.55
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	9.288	0.00	2.08
74.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	9.288	0.00	24.96
74.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.042	0.000	9.288	0.00	4.40
74.50	Safety Cable	Yes	0.50	0.000	0.00	0.00	0.00	0.042	0.000	9.301	0.00	0.14
74.50	Step bolts (ladder)	Yes	0.50	0.000	0.00	0.00	0.00	0.042	0.000	9.301	0.00	0.52
74.50	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.042	0.000	9.301	0.00	6.24
74.50	1 5/8" Hybrid	Yes	0.50	0.000	2.00	0.08	0.00	0.042	0.000	9.301	0.00	1.10
76.00	Safety Cable	Yes	1.50	0.000	0.00	0.00	0.00	0.042	0.000	9.341	0.00	0.41
76.00	Step bolts (ladder)	Yes	1.50	0.000	0.00	0.00	0.00	0.042	0.000	9.341	0.00	1.56
76.00	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.042	0.000	9.341	0.00	18.72
76.00	1 5/8" Hybrid	Yes	1.50	0.000	2.00	0.25	0.00	0.042	0.000	9.341	0.00	3.30
78.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	9.392	0.00	0.55
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	9.392	0.00	2.08
78.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.042	0.000	9.392	0.00	24.96
78.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.042	0.000	9.392	0.00	4.40
80.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	9.442	0.00	0.55
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	9.442	0.00	2.08
80.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	9.442	0.00	24.96
80.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.043	0.000	9.442	0.00	4.40
81.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	9.467	0.00	0.27
81.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	9.467	0.00	1.04
81.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	9.467	0.00	12.48
81.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.043	0.000	9.467	0.00	2.20
82.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	9.491	0.00	0.27
82.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	9.491	0.00	1.04
82.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.043	0.000	9.491	0.00	12.48
82.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.043	0.000	9.491	0.00	2.20
84.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	9.539	0.00	0.55
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	9.539	0.00	2.08
84.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.043	0.000	9.539	0.00	24.96
84.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.043	0.000	9.539	0.00	4.40
86.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	9.587	0.00	0.55
86.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	9.587	0.00	2.08
86.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	9.587	0.00	24.96
86.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.044	0.000	9.587	0.00	4.40

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 91



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

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



**Iterations** 29

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)
88.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	9.633	0.00	0.55
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	9.633	0.00	2.08
88.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.044	0.000	9.633	0.00	24.96
88.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.044	0.000	9.633	0.00	4.40
90.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	9.679	0.00	0.55
90.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	9.679	0.00	2.08
90.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	9.679	0.00	24.96
90.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.045	0.000	9.679	0.00	4.40
92.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	9.724	0.00	0.55
92.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	9.724	0.00	2.08
92.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.045	0.000	9.724	0.00	24.96
92.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.045	0.000	9.724	0.00	4.40
94.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	9.768	0.00	0.55
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	9.768	0.00	2.08
94.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	9.768	0.00	24.96
94.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.046	0.000	9.768	0.00	4.40
96.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	9.811	0.00	0.55
96.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	9.811	0.00	2.08
96.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.046	0.000	9.811	0.00	24.96
96.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.046	0.000	9.811	0.00	4.40
98.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	9.854	0.00	0.55
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	9.854	0.00	2.08
98.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	9.854	0.00	24.96
98.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	9.854	0.00	4.40
100.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	9.896	0.00	0.55
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	9.896	0.00	2.08
100.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	9.896	0.00	24.96
100.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	9.896	0.00	4.40
102.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	9.937	0.00	0.55
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	9.937	0.00	2.08
102.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	9.937	0.00	24.96
102.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.086	0.000	9.937	0.00	4.40
102.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.086	0.000	9.937	0.00	2.00
104.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	9.978	0.00	0.55
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	9.978	0.00	2.08
104.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	9.978	0.00	24.96
104.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.087	0.000	9.978	0.00	4.40
104.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.087	0.000	9.978	0.00	2.00
106.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	10.018	0.00	0.55
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	10.018	0.00	2.08
106.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	10.018	0.00	24.96
106.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.089	0.000	10.018	0.00	4.40
106.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.089	0.000	10.018	0.00	2.00
108.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	10.058	0.00	0.55
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	10.058	0.00	2.08
108.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	10.058	0.00	24.96
108.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.090	0.000	10.058	0.00	4.40

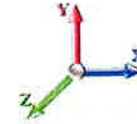
## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 92



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

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



**Iterations** 29

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)
108.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.090	0.000	10.058	0.00	2.00
110.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	10.097	0.00	0.55
110.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	10.097	0.00	2.08
110.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	10.097	0.00	24.96
110.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.091	0.000	10.097	0.00	4.40
110.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.091	0.000	10.097	0.00	2.00
112.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	10.135	0.00	0.55
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	10.135	0.00	2.08
112.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	10.135	0.00	24.96
112.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.092	0.000	10.135	0.00	4.40
112.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.092	0.000	10.135	0.00	2.00
114.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	10.173	0.00	0.55
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	10.173	0.00	2.08
114.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	10.173	0.00	24.96
114.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.093	0.000	10.173	0.00	4.40
114.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.093	0.000	10.173	0.00	2.00
116.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	10.210	0.00	0.55
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	10.210	0.00	2.08
116.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	10.210	0.00	24.96
116.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.095	0.000	10.210	0.00	4.40
116.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.095	0.000	10.210	0.00	2.00
118.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	10.247	0.00	0.55
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	10.247	0.00	2.08
118.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	10.247	0.00	24.96
118.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.096	0.000	10.247	0.00	4.40
118.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.096	0.000	10.247	0.00	2.00
118.75	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.097	0.000	10.261	0.00	0.20
118.75	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.097	0.000	10.261	0.00	0.78
118.75	1 5/8" Coax	Yes	0.75	0.000	0.00	0.00	0.00	0.097	0.000	10.261	0.00	9.36
118.75	1 5/8" Hybrid	Yes	0.75	0.000	2.00	0.13	0.00	0.097	0.000	10.261	0.00	1.65
118.75	1.6" Hybrid	Yes	0.75	0.000	1.60	0.10	0.00	0.097	0.000	10.261	0.00	0.75
120.00	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.098	0.000	10.283	0.00	0.34
120.00	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.098	0.000	10.283	0.00	1.30
120.00	1 5/8" Coax	Yes	1.25	0.000	0.00	0.00	0.00	0.098	0.000	10.283	0.00	15.60
120.00	1 5/8" Hybrid	Yes	1.25	0.000	2.00	0.21	0.00	0.098	0.000	10.283	0.00	2.75
120.00	1.6" Hybrid	Yes	1.25	0.000	1.60	0.17	0.00	0.098	0.000	10.283	0.00	1.25
122.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	10.319	0.00	0.55
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	10.319	0.00	2.08
122.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	10.319	0.00	24.96
122.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.099	0.000	10.319	0.00	4.40
122.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.099	0.000	10.319	0.00	2.00
124.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	10.355	0.00	0.55
124.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	10.355	0.00	2.08
124.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	10.355	0.00	24.96
124.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.100	0.000	10.355	0.00	4.40
124.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.100	0.000	10.355	0.00	2.00
125.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.099	0.000	10.372	0.00	0.27

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



Page: 93

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

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



**Iterations** 29

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)
125.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.099	0.000	10.372	0.00	1.04
125.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.099	0.000	10.372	0.00	12.48
125.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.099	0.000	10.372	0.00	2.20
125.00	1.6" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.099	0.000	10.372	0.00	1.00
126.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.056	0.000	10.389	0.00	0.27
126.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.056	0.000	10.389	0.00	1.04
126.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.056	0.000	10.389	0.00	12.48
126.00	1 5/8" Hybrid	Yes	1.00	0.000	2.00	0.17	0.00	0.056	0.000	10.389	0.00	2.20
128.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.056	0.000	10.424	0.00	0.55
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.056	0.000	10.424	0.00	2.08
128.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.056	0.000	10.424	0.00	24.96
128.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.056	0.000	10.424	0.00	4.40
130.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.057	0.000	10.458	0.00	0.55
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.057	0.000	10.458	0.00	2.08
130.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.057	0.000	10.458	0.00	24.96
130.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.057	0.000	10.458	0.00	4.40
132.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.058	0.000	10.492	0.00	0.55
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.058	0.000	10.492	0.00	2.08
132.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.058	0.000	10.492	0.00	24.96
132.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.058	0.000	10.492	0.00	4.40
134.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.059	0.000	10.525	0.00	0.55
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.059	0.000	10.525	0.00	2.08
134.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.059	0.000	10.525	0.00	24.96
134.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.059	0.000	10.525	0.00	4.40
136.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.060	0.000	10.558	0.00	0.55
136.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.060	0.000	10.558	0.00	2.08
136.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.060	0.000	10.558	0.00	24.96
136.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.060	0.000	10.558	0.00	4.40
138.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	10.590	0.00	0.55
138.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	10.590	0.00	2.08
138.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	10.590	0.00	24.96
138.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.061	0.000	10.590	0.00	4.40
140.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.062	0.000	10.623	0.00	0.55
140.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.062	0.000	10.623	0.00	2.08
140.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.062	0.000	10.623	0.00	24.96
140.00	1 5/8" Hybrid	Yes	2.00	0.000	2.00	0.33	0.00	0.062	0.000	10.623	0.00	4.40
142.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.654	0.00	0.55
142.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.654	0.00	2.08
144.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.686	0.00	0.55
144.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.686	0.00	2.08
146.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.717	0.00	0.55
146.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.717	0.00	2.08
148.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.748	0.00	0.55
148.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.748	0.00	2.08
150.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.778	0.00	0.55
150.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.778	0.00	2.08
152.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.808	0.00	0.55

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



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

**Iterations** 29

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



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)
152.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.808	0.00	2.08
154.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.838	0.00	0.55
154.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.838	0.00	2.08
154.75	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	10.849	0.00	0.20
154.75	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	10.849	0.00	0.78
156.00	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	10.867	0.00	0.34
156.00	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	10.867	0.00	1.30
158.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.896	0.00	0.55
158.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.896	0.00	2.08
159.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	10.911	0.00	0.27
159.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	10.911	0.00	1.04
160.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	10.925	0.00	0.27
160.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	10.925	0.00	1.04
162.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.954	0.00	0.55
162.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.954	0.00	2.08
164.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.982	0.00	0.55
164.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.982	0.00	2.08
166.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.010	0.00	0.55
166.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.010	0.00	2.08
167.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	11.024	0.00	0.27
167.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	11.024	0.00	1.04
168.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	11.038	0.00	0.27
168.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	11.038	0.00	1.04
170.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.066	0.00	0.55
170.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.066	0.00	2.08
172.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.093	0.00	0.55
172.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.093	0.00	2.08
174.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.120	0.00	0.55
174.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.120	0.00	2.08
176.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.147	0.00	0.55
176.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.147	0.00	2.08
178.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.173	0.00	0.55
178.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.173	0.00	2.08
180.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.200	0.00	0.55
180.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.200	0.00	2.08
182.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.226	0.00	0.55
182.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.226	0.00	2.08
184.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.252	0.00	0.55
184.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.252	0.00	2.08
186.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.277	0.00	0.55
186.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.277	0.00	2.08
188.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.303	0.00	0.55
188.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.303	0.00	2.08
190.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.328	0.00	0.55
190.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.328	0.00	2.08
192.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.353	0.00	0.55
192.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.353	0.00	2.08

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 95



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

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



**Iterations** 29

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)
194.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.378	0.00	0.55
194.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.378	0.00	2.08
195.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	11.390	0.00	0.27
195.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	11.390	0.00	1.04
196.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	11.402	0.00	0.27
196.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	11.402	0.00	1.04
<b>Totals:</b>											<b>0.0</b>	<b>2,337.5</b>

## Calculated Forces

**Structure:** CT00595-S  
**Site Name:** Stonington East  
**Height:** 196.00 (ft)  
**Base Elev:** 0.000 (ft)  
**Gh:** 1.1

**Topography:** 1

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

8/2/2023

Page: 96



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

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



**Iterations** 29

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	-59.87	-11.64	0.00	-1446.9	0.00	1446.98	5795.46	1682.91	8909.80	7510.36	0.00	0.000	0.000	0.203
2.00	-59.12	-11.58	0.00	-1423.7	0.00	1423.71	5776.44	1669.60	8769.44	7426.09	0.00	-0.017	0.000	0.202
4.00	-58.37	-11.52	0.00	-1400.5	0.00	1400.56	5757.00	1656.30	8630.20	7341.68	0.01	-0.033	0.000	0.201
6.00	-57.63	-11.46	0.00	-1377.5	0.00	1377.52	5737.14	1642.99	8492.07	7257.12	0.03	-0.050	0.000	0.200
8.00	-56.89	-11.40	0.00	-1354.6	0.00	1354.60	5716.84	1629.68	8355.05	7172.43	0.06	-0.067	0.000	0.199
10.00	-56.16	-11.34	0.00	-1331.8	0.00	1331.80	5696.12	1616.37	8219.15	7087.63	0.09	-0.084	0.000	0.198
12.00	-55.44	-11.29	0.00	-1309.1	0.00	1309.11	5674.97	1603.06	8084.36	7002.73	0.13	-0.101	0.000	0.197
14.00	-54.72	-11.23	0.00	-1286.5	0.00	1286.54	5653.40	1589.76	7950.69	6917.75	0.17	-0.118	0.000	0.196
16.00	-54.00	-11.17	0.00	-1264.0	0.00	1264.09	5631.39	1576.45	7818.13	6832.69	0.23	-0.136	0.000	0.195
18.00	-53.29	-11.11	0.00	-1241.7	0.00	1241.75	5608.96	1563.14	7686.69	6747.57	0.29	-0.153	0.000	0.194
20.00	-52.59	-11.05	0.00	-1219.5	0.00	1219.53	5586.10	1549.83	7556.36	6662.41	0.36	-0.171	0.000	0.193
22.00	-51.89	-10.99	0.00	-1197.4	0.00	1197.44	5562.81	1536.52	7427.15	6577.21	0.43	-0.189	0.000	0.191
24.00	-51.20	-10.92	0.00	-1175.4	0.00	1175.46	5539.10	1523.21	7299.05	6491.99	0.51	-0.207	0.000	0.190
26.00	-50.51	-10.86	0.00	-1153.6	0.00	1153.62	5514.96	1509.91	7172.06	6406.77	0.61	-0.225	0.000	0.189
28.00	-49.82	-10.79	0.00	-1131.9	0.00	1131.90	5490.39	1496.60	7046.19	6321.55	0.70	-0.243	0.000	0.188
30.00	-49.14	-10.72	0.00	-1110.3	0.00	1110.31	5465.39	1483.29	6921.43	6236.35	0.81	-0.262	0.000	0.187
32.00	-48.46	-10.65	0.00	-1088.8	0.00	1088.87	5439.96	1469.98	6797.79	6151.18	0.92	-0.280	0.000	0.186
34.00	-47.80	-10.58	0.00	-1067.5	0.00	1067.57	5414.11	1456.67	6675.26	6066.06	1.04	-0.299	0.000	0.185
35.50	-47.30	-10.53	0.00	-1051.6	0.00	1051.69	5394.44	1446.69	6584.09	6002.26	1.14	-0.313	0.000	0.184
36.00	-47.00	-10.52	0.00	-1046.4	0.00	1046.42	5387.83	1443.36	6553.84	5981.00	1.17	-0.318	0.000	0.184
38.00	-45.81	-10.45	0.00	-1025.3	0.00	1025.39	5361.12	1430.06	6433.54	5896.01	1.31	-0.336	0.000	0.183
40.00	-44.64	-10.37	0.00	-1004.5	0.00	1004.50	5333.99	1416.75	6314.36	5811.11	1.46	-0.355	0.000	0.181
42.00	-43.47	-10.30	0.00	-983.75	0.00	983.75	5306.43	1403.44	6196.29	5726.30	1.61	-0.375	0.000	0.180
43.00	-42.89	-10.26	0.00	-973.46	0.00	973.46	4823.70	1326.07	5927.09	5273.35	1.69	-0.384	0.000	0.194
44.00	-42.58	-10.23	0.00	-963.20	0.00	963.20	4812.47	1319.86	5871.70	5236.23	1.77	-0.394	0.000	0.193
46.00	-41.97	-10.16	0.00	-942.75	0.00	942.75	4789.68	1307.44	5761.71	5161.99	1.94	-0.414	0.000	0.191
48.00	-41.37	-10.08	0.00	-922.44	0.00	922.44	4766.46	1295.02	5652.75	5087.77	2.12	-0.434	0.000	0.190
50.00	-40.77	-10.01	0.00	-902.27	0.00	902.27	4742.82	1282.60	5544.84	5013.57	2.30	-0.454	0.000	0.189
52.00	-40.17	-9.94	0.00	-882.24	0.00	882.24	4718.75	1270.18	5437.96	4939.41	2.50	-0.474	0.000	0.187
54.00	-39.58	-9.87	0.00	-862.36	0.00	862.36	4694.25	1257.76	5332.12	4865.31	2.70	-0.495	0.000	0.186
56.00	-39.00	-9.80	0.00	-842.62	0.00	842.62	4669.32	1245.33	5227.33	4791.28	2.91	-0.515	0.000	0.184
58.00	-38.42	-9.73	0.00	-823.02	0.00	823.02	4643.97	1232.91	5123.57	4717.32	3.13	-0.536	0.000	0.183
60.00	-37.84	-9.65	0.00	-803.57	0.00	803.57	4618.19	1220.49	5020.86	4643.46	3.36	-0.556	0.000	0.181
62.00	-37.27	-9.58	0.00	-784.26	0.00	784.26	4591.98	1208.07	4919.18	4569.71	3.60	-0.577	0.000	0.180
64.00	-36.70	-9.51	0.00	-765.10	0.00	765.10	4565.34	1195.65	4818.55	4496.07	3.85	-0.598	0.000	0.178
66.00	-36.14	-9.44	0.00	-746.08	0.00	746.08	4538.28	1183.23	4718.95	4422.57	4.10	-0.619	0.000	0.177
68.00	-35.58	-9.37	0.00	-727.20	0.00	727.20	4510.78	1170.81	4620.40	4349.22	4.37	-0.641	0.000	0.175
70.00	-35.03	-9.29	0.00	-708.47	0.00	708.47	4482.87	1158.39	4522.88	4276.03	4.64	-0.662	0.000	0.174
72.00	-34.49	-9.22	0.00	-689.88	0.00	689.88	4454.52	1145.97	4426.41	4203.01	4.92	-0.684	0.000	0.172
74.00	-33.95	-9.15	0.00	-671.43	0.00	671.43	4425.74	1133.55	4330.97	4130.17	5.21	-0.705	0.000	0.170
74.50	-33.81	-9.13	0.00	-666.86	0.00	666.86	4418.48	1130.44	4307.27	4111.99	5.29	-0.711	0.000	0.170
76.00	-33.12	-9.08	0.00	-653.16	0.00	653.16	4396.54	1121.12	4236.58	4057.54	5.51	-0.727	0.000	0.169
78.00	-32.21	-9.00	0.00	-635.01	0.00	635.01	4366.91	1108.70	4143.22	3985.11	5.82	-0.749	0.000	0.167
80.00	-31.31	-8.92	0.00	-617.02	0.00	617.02	4336.86	1096.28	4050.91	3912.92	6.14	-0.771	0.000	0.165
81.00	-30.87	-8.88	0.00	-608.10	0.00	608.10	3502.12	951.57	3560.67	3204.59	6.30	-0.782	0.000	0.199
82.00	-30.63	-8.85	0.00	-599.22	0.00	599.22	3492.03	946.24	3520.94	3177.33	6.47	-0.793	0.000	0.197
84.00	-30.17	-8.78	0.00	-581.53	0.00	581.53	3471.52	935.60	3442.15	3122.83	6.81	-0.818	0.000	0.195
86.00	-29.70	-8.71	0.00	-563.98	0.00	563.98	3450.59	924.95	3364.26	3068.38	7.15	-0.842	0.000	0.193

## Calculated Forces

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 97



88.00	-29.25	-8.63	0.00	-546.57	0.00	546.57	3429.23	914.30	3287.26	3013.99	7.51	-0.867	0.000	0.190
90.00	-28.80	-8.56	0.00	-529.30	0.00	529.30	3407.44	903.66	3211.15	2959.67	7.88	-0.892	0.000	0.187
92.00	-28.35	-8.50	0.00	-512.17	0.00	512.17	3385.23	893.01	3135.93	2905.43	8.26	-0.916	0.000	0.185
94.00	-27.90	-8.43	0.00	-495.18	0.00	495.18	3362.58	882.36	3061.60	2851.28	8.65	-0.941	0.000	0.182
96.00	-27.46	-8.36	0.00	-478.33	0.00	478.33	3339.51	871.72	2988.16	2797.25	9.05	-0.966	0.000	0.179
98.00	-27.03	-8.29	0.00	-461.62	0.00	461.62	3316.01	861.07	2915.61	2743.33	9.46	-0.991	0.000	0.177
100.00	-26.60	-8.22	0.00	-445.04	0.00	445.04	3292.09	850.42	2843.96	2689.56	9.88	-1.016	0.000	0.174
102.00	-26.17	-8.15	0.00	-428.61	0.00	428.61	3267.73	839.78	2773.20	2635.93	10.31	-1.041	0.000	0.171
104.00	-25.74	-8.08	0.00	-412.31	0.00	412.31	3242.95	829.13	2703.33	2582.46	10.75	-1.066	0.000	0.168
106.00	-25.33	-8.01	0.00	-396.14	0.00	396.14	3217.75	818.48	2634.35	2529.17	11.20	-1.091	0.000	0.165
108.00	-24.91	-7.95	0.00	-380.11	0.00	380.11	3192.11	807.84	2566.26	2476.07	11.67	-1.116	0.000	0.161
110.00	-24.50	-7.88	0.00	-364.22	0.00	364.22	3166.05	797.19	2499.06	2423.18	12.14	-1.141	0.000	0.158
112.00	-24.09	-7.81	0.00	-348.46	0.00	348.46	3139.56	786.54	2432.76	2370.49	12.62	-1.165	0.000	0.155
114.00	-23.69	-7.75	0.00	-332.83	0.00	332.83	3112.64	775.90	2367.34	2318.04	13.12	-1.190	0.000	0.151
116.00	-23.29	-7.68	0.00	-317.33	0.00	317.33	3085.29	765.25	2302.82	2265.83	13.62	-1.214	0.000	0.148
118.00	-22.90	-7.61	0.00	-301.97	0.00	301.97	3057.52	754.60	2239.19	2213.87	14.13	-1.239	0.000	0.144
118.75	-22.75	-7.59	0.00	-296.26	0.00	296.26	3046.99	750.61	2215.56	2194.45	14.33	-1.248	0.000	0.143
120.00	-22.36	-7.55	0.00	-286.78	0.00	286.78	3029.32	743.96	2176.45	2162.18	14.66	-1.263	0.000	0.140
122.00	-21.73	-7.47	0.00	-271.68	0.00	271.68	3000.69	733.31	2114.60	2110.77	15.19	-1.287	0.000	0.136
124.00	-21.11	-7.40	0.00	-256.73	0.00	256.73	2938.57	714.36	2061.07	2065.86	15.74	-1.310	0.000	0.164
125.00	-18.58	-6.76	0.00	-249.33	0.00	249.33	2939.03	609.92	1755.44	1638.08	16.01	-1.322	0.000	0.160
126.00	-18.42	-6.73	0.00	-242.58	0.00	242.58	2919.39	605.49	1730.00	1619.32	16.29	-1.335	0.000	0.158
128.00	-18.09	-6.66	0.00	-229.12	0.00	229.12	2299.78	596.62	1679.67	1581.89	16.86	-1.361	0.000	0.153
130.00	-17.76	-6.60	0.00	-215.80	0.00	215.80	2279.74	587.74	1630.09	1544.58	17.43	-1.387	0.000	0.148
132.00	-17.44	-6.54	0.00	-202.60	0.00	202.60	2259.27	578.87	1581.25	1507.39	18.02	-1.412	0.000	0.142
134.00	-17.12	-6.47	0.00	-189.53	0.00	189.53	2238.38	570.00	1533.15	1470.34	18.62	-1.437	0.000	0.137
136.00	-16.80	-6.41	0.00	-176.59	0.00	176.59	2217.06	561.13	1485.79	1433.45	19.22	-1.461	0.000	0.131
138.00	-16.49	-6.35	0.00	-163.77	0.00	163.77	2195.31	552.25	1439.18	1396.73	19.84	-1.484	0.000	0.125
140.00	-13.08	-5.07	0.00	-150.98	0.00	150.98	2173.13	543.38	1393.31	1360.19	20.47	-1.507	0.000	0.117
142.00	-12.81	-5.01	0.00	-140.85	0.00	140.85	2150.53	534.51	1348.18	1323.84	21.10	-1.529	0.000	0.112
144.00	-12.53	-4.94	0.00	-130.84	0.00	130.84	2127.50	525.64	1303.79	1287.70	21.75	-1.551	0.000	0.108
146.00	-12.27	-4.88	0.00	-120.95	0.00	120.95	2104.04	516.77	1260.15	1251.78	22.40	-1.572	0.000	0.103
148.00	-12.00	-4.82	0.00	-111.18	0.00	111.18	2080.15	507.89	1217.25	1216.10	23.07	-1.593	0.000	0.097
150.00	-8.65	-3.65	0.00	-101.53	0.00	101.53	2055.84	499.02	1175.10	1180.67	23.74	-1.612	0.000	0.090
152.00	-8.42	-3.59	0.00	-94.23	0.00	94.23	2031.10	490.15	1133.68	1145.49	24.42	-1.632	0.000	0.086
154.00	-8.20	-3.53	0.00	-87.05	0.00	87.05	2005.93	481.28	1093.01	1110.59	25.10	-1.650	0.000	0.083
154.75	-8.11	-3.51	0.00	-84.40	0.00	84.40	1996.38	477.95	1077.95	1097.58	25.36	-1.657	0.000	0.081
156.00	-7.90	-3.47	0.00	-80.01	0.00	80.01	1980.33	472.40	1053.09	1075.98	25.80	-1.669	0.000	0.078
158.00	-7.58	-3.41	0.00	-73.07	0.00	73.07	1946.84	463.53	1013.90	1037.68	26.50	-1.687	0.000	0.074
159.00	-7.41	-3.38	0.00	-69.65	0.00	69.65	942.51	280.76	619.93	509.56	26.86	-1.695	0.000	0.145
160.00	-7.34	-3.36	0.00	-66.27	0.00	66.27	939.15	278.09	608.23	502.90	27.21	-1.704	0.000	0.140
162.00	-7.20	-3.30	0.00	-59.56	0.00	59.56	932.13	272.77	585.17	489.52	27.93	-1.730	0.000	0.130
164.00	-7.06	-3.25	0.00	-52.95	0.00	52.95	924.68	267.45	562.55	476.06	28.66	-1.754	0.000	0.119
166.00	-6.92	-3.20	0.00	-46.45	0.00	46.45	916.80	262.12	540.38	462.54	29.40	-1.777	0.000	0.108
167.00	-3.78	-1.85	0.00	-43.25	0.00	43.25	912.70	259.46	529.46	455.76	29.78	-1.788	0.000	0.099
168.00	-3.72	-1.83	0.00	-41.40	0.00	41.40	908.49	256.80	518.65	448.97	30.15	-1.798	0.000	0.096
170.00	-3.62	-1.78	0.00	-37.75	0.00	37.75	899.76	251.48	497.37	435.36	30.91	-1.819	0.000	0.091
172.00	-3.51	-1.73	0.00	-34.19	0.00	34.19	890.60	246.15	476.54	421.74	31.68	-1.839	0.000	0.085
174.00	-3.41	-1.68	0.00	-30.74	0.00	30.74	881.01	240.83	456.15	408.10	32.45	-1.858	0.000	0.079
176.00	-3.31	-1.63	0.00	-27.39	0.00	27.39	870.99	235.51	436.21	394.47	33.23	-1.876	0.000	0.073
178.00	-3.22	-1.58	0.00	-24.12	0.00	24.12	860.55	230.18	416.71	380.86	34.02	-1.893	0.000	0.067
180.00	-3.12	-1.54	0.00	-20.96	0.00	20.96	849.68	224.86	397.66	367.28	34.82	-1.910	0.000	0.061
182.00	-3.03	-1.49	0.00	-17.88	0.00	17.88	838.38	219.54	379.06	353.74	35.62	-1.925	0.000	0.054
184.00	-2.94	-1.45	0.00	-14.90	0.00	14.90	826.65	214.21	360.90	340.26	36.43	-1.938	0.000	0.047
186.00	-2.85	-1.40	0.00	-12.00	0.00	12.00	814.50	208.89	343.18	326.85	37.24	-1.950	0.000	0.040
188.00	-2.76	-1.36	0.00	-9.19	0.00	9.19	801.91	203.57	325.91	313.52	38.06	-1.961	0.000	0.033
190.00	-2.68	-1.32	0.00	-6.47	0.00	6.47	788.90	198.24	309.09	300.29	38.89	-1.969	0.000	0.025



## Calculated Forces

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	Page: 98
<b>Struct Class:</b> II		



192.00	-2.59	-1.28	0.00	-3.82	0.00	3.82	775.47	192.92	292.71	287.17	39.71	-1.974	0.000	0.017
194.00	-2.51	-1.24	0.00	-1.26	0.00	1.26	761.60	187.60	276.78	274.17	40.54	-1.978	0.000	0.008
195.00	-0.04	-0.02	0.00	-0.02	0.00	0.02	754.51	184.94	268.98	267.73	40.96	-1.978	0.000	0.000
196.00	0.00	-0.02	0.00	0.00	0.00	0.00	747.31	182.27	261.30	261.31	41.37	-1.978	0.000	0.000

## Final Analysis Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II
		Page: 99



### 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 128 mph Wind	59.2	0.00	71.80	0.00	0.00	7402.29
0.9D + 1.0W 128 mph Wind	59.2	0.00	53.84	0.00	0.00	7307.72
1.2D + 1.0Di + 1.0Wi 50 mph Wind	11.9	0.00	74.14	0.00	0.00	1471.85
1.2D + 1.0Ev + 1.0Eh	0.8	0.00	74.25	0.00	0.00	130.01
0.9D + 1.0Ev + 1.0Eh	0.8	0.00	56.20	0.00	0.00	128.40
1.0D + 1.0W 60 mph Wind	11.6	0.00	59.87	0.00	0.00	1446.98

### 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 128 mph Wind	-71.80	-59.21	0.00	-7402.2	0.00	-7402.2	5795.46	1682.9	8909.80	7510.36	0.00	0.999
0.9D + 1.0W 128 mph Wind	-53.84	-59.20	0.00	-7307.7	0.00	-7307.7	5795.46	1682.9	8909.80	7510.36	0.00	0.984
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-74.14	-11.88	0.00	-1471.8	0.00	-1471.8	5795.46	1682.9	8909.80	7510.36	0.00	0.209
1.2D + 1.0Ev + 1.0Eh	-38.43	-0.82	0.00	-63.41	0.00	-63.41	3502.12	951.57	3560.67	3204.59	81.00	0.031
0.9D + 1.0Ev + 1.0Eh	-29.09	-0.81	0.00	-62.52	0.00	-62.52	3502.12	951.57	3560.67	3204.59	81.00	0.028
1.0D + 1.0W 60 mph Wind	-59.87	-11.64	0.00	-1446.9	0.00	-1446.9	5795.46	1682.9	8909.80	7510.36	0.00	0.203

## Base Plate Summary

<b>Structure:</b> CT00595-S	<b>Code:</b> TIA-222-H	8/2/2023
<b>Site Name:</b> Stonington East	<b>Exposure:</b> C	
<b>Height:</b> 196.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Struct Class:</b> II	Page: 100
<b>Topography:</b> 1		



Reactions	Base Plate	Anchor Bolts
Original Design	<b>Yield (ksi):</b> 60.00	<b>Bolt Circle:</b> 72.76
<b>Moment (kip-ft):</b> 5768.00	<b>Width (in):</b> 78.76	<b>Number Bolts:</b> 24.00
<b>Axial (kip):</b> 59.50	<b>Style:</b> Polygon	<b>Bolt Type:</b> 2.25" 18J
<b>Shear (kip):</b> 45.30	<b>Polygon Sides:</b> 12.00	<b>Bolt Diameter (in):</b> 2.25
Analysis (1.2D + 1.0W)	<b>Clip Length (in):</b> 0.00	<b>Yield (ksi):</b> 75.00
<b>Moment (kip-ft):</b> 7402.29	<b>Effective Len (in):</b> 13.07	<b>Ultimate (ksi):</b> 100.00
<b>Axial (kip):</b> 71.80	<b>Moment (kip-in):</b> 904.31	<b>Arrangement:</b> Radial
<b>Shear (kip):</b> 59.21	<b>Allow Stress (ksi):</b> 81.00	<b>Cluster Dist (in):</b> 0.00
	<b>Applied Stress (ksi):</b> 66.42	<b>Start Angle (deg):</b> 0.00
	<b>Stress Ratio:</b> 0.82	<b>Compression</b>
		<b>Force (kip):</b> 206.46
		<b>Allowable (kip):</b> 268.39
		<b>Ratio:</b> 0.77
		<b>Tension</b>
		<b>Force (kip):</b> 200.48
		<b>Allowable (kip):</b> 243.75
		<b>Ratio:</b> 0.82

	<b>Monopole Mat Foundation Design</b>			Date
				7/31/2023
	<b>Customer Name:</b>	Verizon	<b>TIA Standard:</b>	TIA-222-H
	<b>Site Name:</b>		<b>Structure Height (Ft.):</b>	196
	<b>Site Number:</b>	CT00595-S	<b>Engineer Name:</b>	SBA Engineer
<b>Engr. Number:</b>		<b>Engineer Login ID:</b>		

**Foundation Info Obtained from:**

**Structure Type:**

Drawings/Calculations

Monopole

**Analysis or Design?**

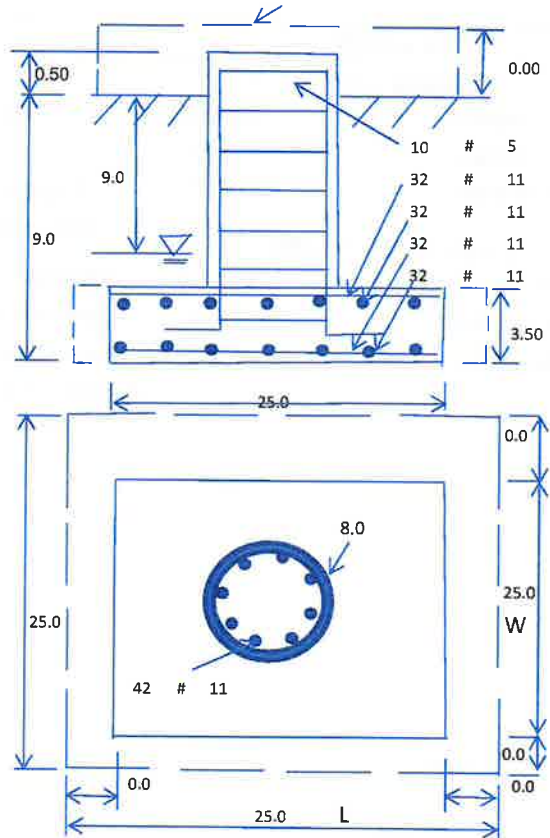
Analysis

**Base Reactions (Factored):**

Axial Load (Kips):	71.8	Shear Force (Kips):	59.2
Uplift Force (Kips):	0.0	Moment (Kips-ft):	7402.3

**Foundation Geometries:**

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	8.0	Depth of Base BG (ft.):	9.0
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft.):	3.50
Length of Pad (ft.):	25	Width of Pad (ft.):	25
Final Length of pad (ft)	25.0	Final width of pad (ft):	25.0



**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 #:	11	Tie / Stirrup Size #:	5	
Qty. of Vertical Rebars:	42	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	11	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	32	Qty. of Rebar in Pad (W):	32	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	32	Qty. of Rebar in Pad (W):	32	

**Soil Design Parameters:**

Soil Unit Weight (pcf):	135.0	Soil Buoyant Weight:	72.6	Pcf	
Water Table B.G.S. (ft):	9.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad: 30
Ultimate Bearing Pressure (psf):	16000	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad: 25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No		Angle from Bottm of Pad: 25
Consider soil hor. resist. for OTM.:	No	Reduction factor on the maximum soil bearing pressure:	1.00		

**Foundation Analysis and Design:**

Uplift Strength Reduction Factor:	0.75	Compression Strength Reduction Factor:	0.75
Total Dry Soil Volume (cu. Ft.):	3161.04	Total Dry Soil Weight (Kips):	426.74
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	426.74	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	2489.09	Total Dry Concrete Weight (Kips):	373.36
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	373.36	Total Vertical Load on Base (Kips):	871.90

**Check Soil Capacities:**

Calculated Maxium Net Soil Pressure under the base (psf):	6036	<	Allowable Factored Soil Bearing (psf):	12000	0.50	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	9898.7	>	Design Factored Momont (kips-ft):	7965	0.80	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.24	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):	1.56	Tie / Stirrup Area (sq. in./each):	0.31		
Calculated Moment Capacity (Mn,Kips-Ft):	12376.5	>	Design Factored Moment (Mu, Kips-Ft)	7757.6	0.63 OK!
Calculated Shear Capacity (Kips):	924.8	>	Design Factored Shear (Kips):	59.2	0.06 OK!
Calculated Tension Capacity (Tn, Kips):	3538.1	>	Design Factored Tension (Tu Kips):	0.0	0.00 OK!
Calculated Compression Capacity (Pn, Kips):	12681.4	>	Design Factored Axial Load (Pu Kips):	71.8	0.01 OK!
Moment & Axial Strength Combination:	0.63	OK!	Check Tie Spacing (Design/Required):	1	OK!
Pier Reinforcement Ratio:	0.009		Reinforcement Ratio is satisfied per ACI		

**(2) Concrete Pad:**

One-Way Design Shear Capacity (L-Direction, Kips):	1090.4	>	One-Way Factored Shear (L-D. Kips):	413.3	0.38 OK!
One-Way Design Shear Capacity (W-Direction, Kips):	1090.4	>	One-Way Factored Shear (W-D., Kips)	413.3	0.38 OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	914.6	>	One-Way Factored Shear (C-C, Kips):	412.6	0.45 OK!
Lower Steel Pad Reinforcement Ratio (L-Direct. ):	0.0043	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0043	
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	8276.7	>	Moment at Bottom ( L-Dir. K-Ft):	2195.5	0.27 OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	8276.7	>	Moment at Bottom ( W-Dir. K-Ft):	2195.5	0.27 OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	11568.6	>	Moment at Bottom ( C-C Dir. K-Ft):	3104.9	0.27 OK!
Upper Steel Pad Reinforcement Ratio (L-Direct. ):	0.0043	OK!	Upper Steel Reinf. Ratio (W-Dir. ):	0.0043	
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	8276.7	>	Moment at the top (L-Dir K-Ft):	1105.3	0.13 OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	8276.7	>	Moment at the top (W-Dir K-Ft):	1105.3	0.13 OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	11568.6	>	Moment at the top (C-C Dir. K-Ft):	1043.9	0.09 OK!

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

Moment transferred by punching shear:	2960.9	k-ft.	Max. factored shear stress $v_{u,CP}$ :	5.8	Psi
Max. factored shear stress $v_{u,AB}$ :	12.7	Psi	Factored shear Strength $\phi v_n$ :	189.7	Psi
Max. factored shear stress $v_u$ :	12.7	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:	2220.7	k-ft.	Effective Width for resisting OT moment:	18.5	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):	6204.2	k-ft.	Check Usage of the Flexure Capacity:	0.36	OK!



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

---

## Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10207136  
Colliers Engineering & Design CT, PC Project #:23777156

July 20, 2023

### Site Information

Site ID: 5000245961-VZW / STONINGTON EAST CT  
Site Name: STONINGTON EAST CT  
Carrier Name: Verizon Wireless  
Address: 86 Voluntown Rd  
Stonington, Connecticut 06379  
New London County  
Latitude: 41.405539°  
Longitude: -71.845244°

### Structure Information

Tower Type: 195-Ft Monopole  
Mount Type: 12.50-Ft Platform

FUZE ID # 17123867

### Analysis Results

Platform: 71.0% 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: Jared Adkins



07/22/2023

### **Executive Summary:**

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

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

### **Sources of Information:**

<b>Document Type</b>	<b>Remarks</b>
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS Site ID: 324928, dated October 6, 2021</i>
<i>Mount Mapping Report</i>	<i>High Tower Solutions Site ID: 469139, dated April 28, 2020</i>
<i>Previous Mount Analysis</i>	<i>Maser Consulting Connecticut Project #: 21777818A, Rev. 2, dated January 19, 2022</i>
<i>Final Loading Configuration</i>	<i>Filter Add Scope Provided by Verizon Wireless</i>

### **Analysis Criteria:**

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), $V_{ULT}$ : 130 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, $K_e$ : 0.998
Seismic Parameters:	$S_s$ : 0.182 g $S_1$ : 0.051 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, $L_v$ : 250 lbs. Maintenance Live 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
139.00	138.00	3	Samsung	XXDWMM-12.5-65	Retained
		6	JMA Wireless	MX06FRO660-03	
	140.00	3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		1	Raycap	RVZDC-6627-PF-48	
		2	KAelus	KA-6030	Added
	141.50	3	Samsung	MT6407-77A	Retained

The recent mount mapping did not report existing OVP units. However, it is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required.

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

**Standard Conditions:**

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.



6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
  - 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
8. It is assumed that the mount modifications listed under Sources of Information have been installed per the design specifications.

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

**Analysis Results:**

<b>Component</b>	<b>Utilization %</b>	<b>Pass/Fail</b>
<i>Face Horizontal</i>	16.1 %	<i>Pass</i>
<i>Standoff Horizontal</i>	42.2 %	<i>Pass</i>
<i>Platform Crossmember</i>	20.3 %	<i>Pass</i>
<i>Mount Pipe</i>	46.0 %	<i>Pass</i>
<i>Corner Plate</i>	14.5 %	<i>Pass</i>
<i>Grating Support</i>	14.1 %	<i>Pass</i>
<i>Cross Arm Plate</i>	41.8 %	<i>Pass</i>
<i>Support Rail</i>	19.1 %	<i>Pass</i>
<i>Support Rail Corner Angle</i>	15.7 %	<i>Pass</i>
<i>MOD Threaded Rods</i>	71.0 %	<i>Pass</i>
<i>Mount Connection</i>	66.6 %	<i>Pass</i>
<b>Structure Rating – (Controlling Utilization of all Components)</b>		<b>71.0%</b>

**BASELINE mount weight per SBA agreement: 1,913.80 lbs**

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

**The weights listed above include 3 sectors.**

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

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	25.0	24.8	40.2	40.0
0.5	32.6	32.4	54.3	53.9
1	39.7	39.4	67.8	67.3

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 does not require modifications. Additional requirements are noted below.

Contractor to verify that all modifications and equipment are installed per previous mount modification analysis done by Maser Consulting Connecticut, Project #: 21777818A Rev. 2, dated January 19, 2022

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

**Attachments:**

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

## Mount Desktop – Post Modification Inspection (PMI) Report Requirements

### Documents & Photos Required from Contractor – **Passing Mount Analysis**

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

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

For additional questions and support, please reach out to [pmisupport@colliersengineering.com](mailto:pmisupport@colliersengineering.com)

---

MDG #: 5000245961

SMART Project #: 10207136

Fuze Project ID: 17123867

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

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

#### **Base Requirements:**

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

#### **Photo Requirements:**

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

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

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

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

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

OR

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

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

**Issue:**

Contractor to verify that all modifications and equipment are installed per previous mount modification analysis done by Maser Consulting Connecticut, Project #: 21777818A Rev. 2, dated January 19, 2022

**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:	

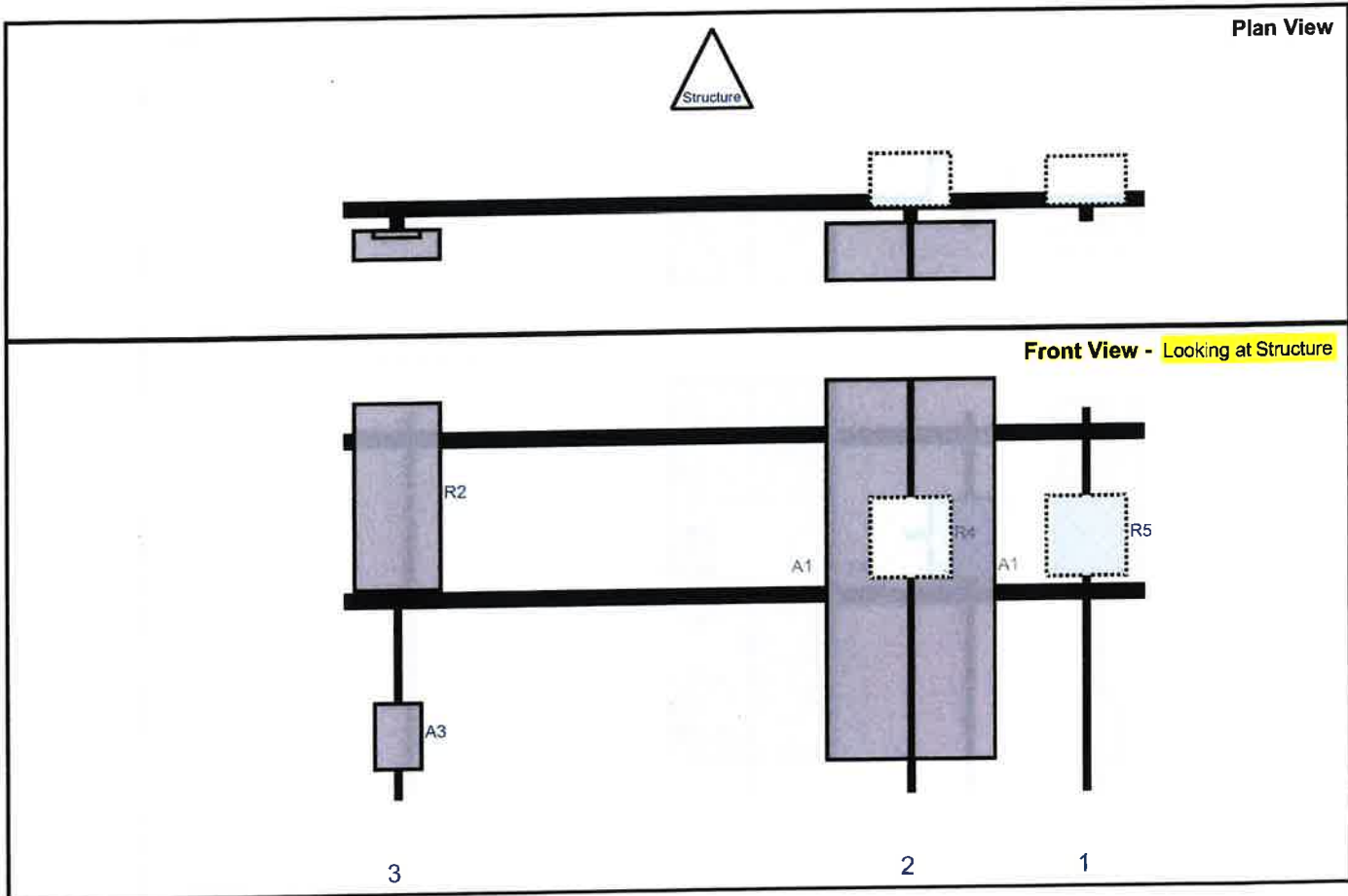
Sector: **A**  
 Structure Type: Monopole  
 Mount Elev: 139.00

10207136

7/19/2023



Page: 1



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
R5	RF4440d-13A	15	15	139	1	a	Behind	24	0	Retained	
A1	MX06FRO660-03	71.3	15.4	106	2	a	Front	30	8	Retained	
A1	MX06FRO660-03	71.3	15.4	106	2	b	Front	30	-8	Retained	
R4	RF4439d-25A	15	15	106	2	a	Behind	24	0	Retained	
A3	XXDWMM-12.5-65	12.3	8.7	10	3	a	Front	60	0	Retained	
R2	MT6407-77A	35.1	16.1	10	3	a	Front	15	0	Retained	
M103	RVZDC-6627-PF-48	29.5	16.5		Member					Retained	

Structure: 5000245961-VZW - STONINGTON EAST CT

Sector: **B**

7/19/2023

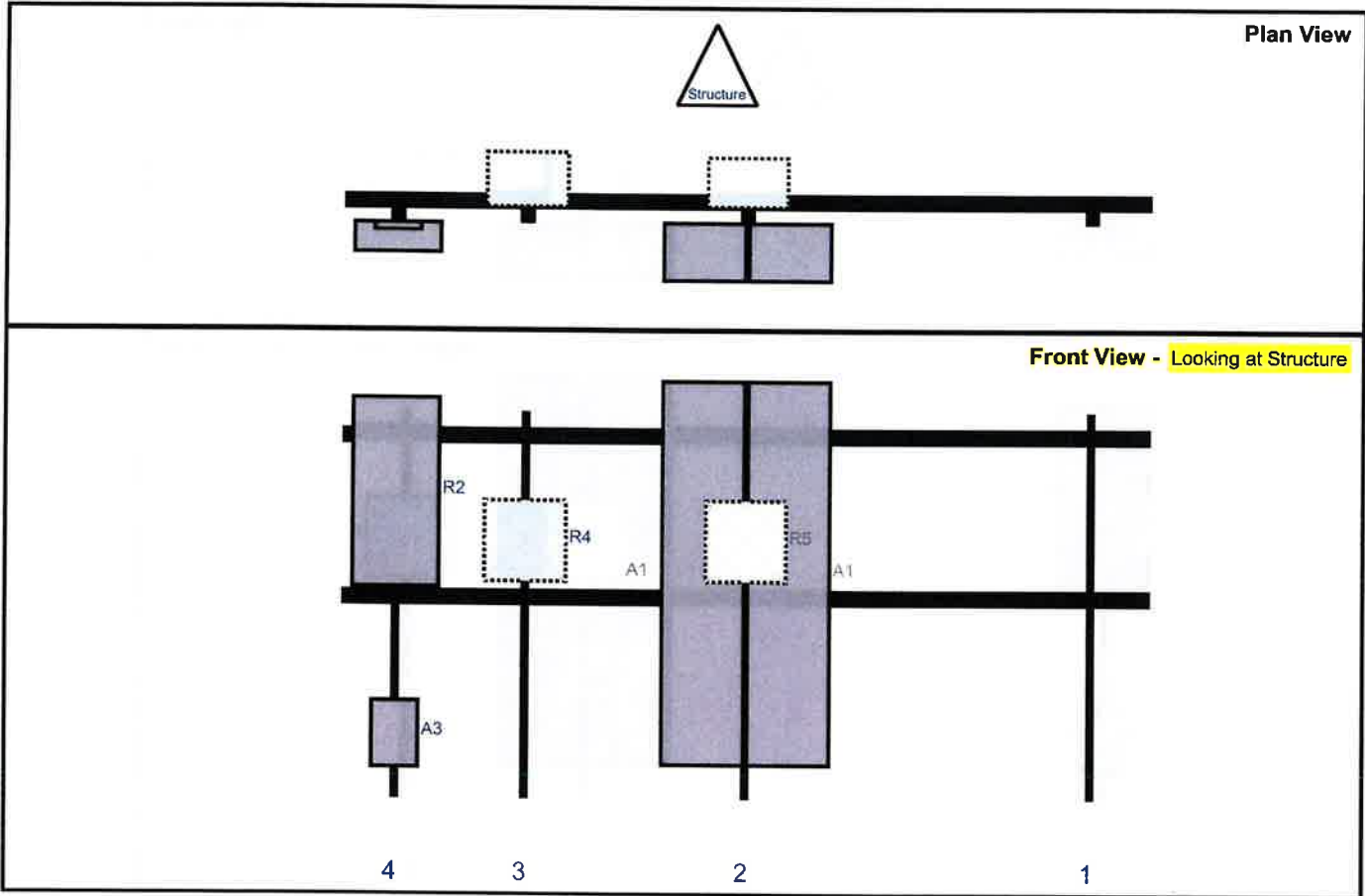
Structure Type: Monopole

10207136

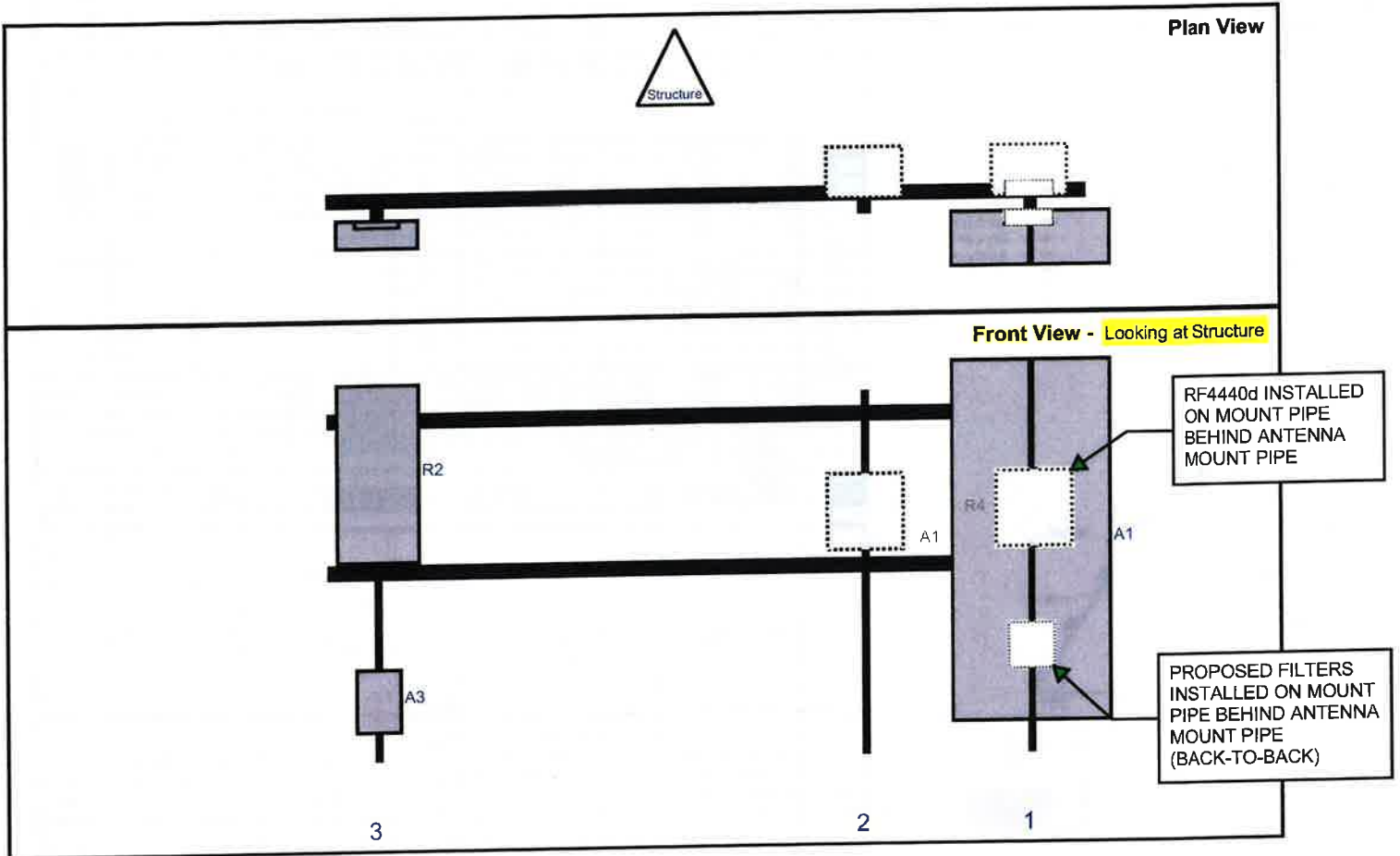


Mount Elev: 139.00

Page: 2



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
A1	MX06FRO660-03	71.3	15.4	75	2	a	Front	30	8	Retained	
A1	MX06FRO660-03	71.3	15.4	75	2	b	Front	30	-8	Retained	
R5	RF4440d-13A	15	15	75	2	a	Behind	24	0	Retained	
R4	RF4439d-25A	15	15	34	3	a	Behind	24	0	Retained	
A3	XXDWMM-12.5-65	12.3	8.7	10	4	a	Front	60	0	Retained	
R2	MT6407-77A	35.1	16.1	10	4	a	Front	15	0	Retained	



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
A1	MX06FRO660-03	71.3	15.4	139	1	a	Front	30	8	Retained	
A1	MX06FRO660-03	71.3	15.4	139	1	b	Front	30	-8	Retained	
R4	RF4439d-25A	15	15	106	2	a	Behind	24	0	Retained	
A3	XXDWMM-12.5-65	12.3	8.7	10	3	a	Front	60	0	Retained	
R2	MT6407-77A	35.1	16.1	10	3	a	Front	15	0	Retained	
MP1C2	KA-6030	10.6	10.9				Member			Added	





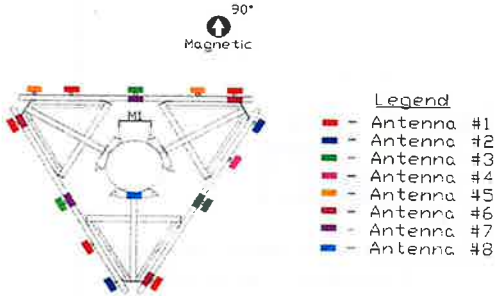
### Antenna Mount Mapping Form (PATENT PENDING)

FCC #

1051828

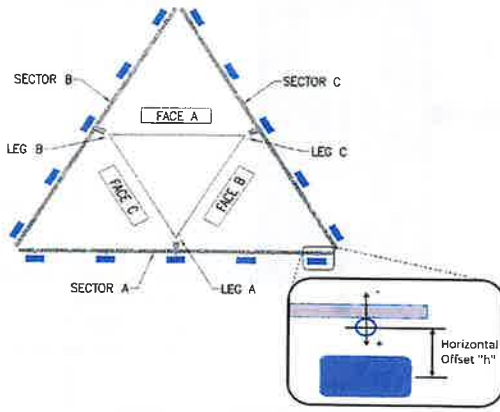
<b>Tower Owner:</b>	SBA Towers	<b>Mapping Date:</b>	4/28/2020
<b>Site Name:</b>	NE STONINGTON EAST	<b>Tower Type:</b>	Monopole
<b>Site Number or ID:</b>	469139	<b>Tower Height (FL):</b>	
<b>Mapping Contractor:</b>	High Tower Solutions	<b>Mount Elevation (FL):</b>	138'6"

This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

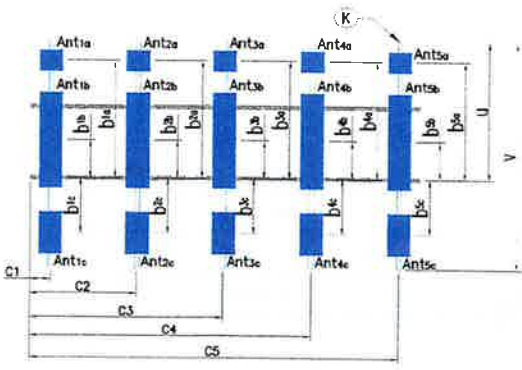


Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "y"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "y"	Horizontal Offset "C1, C2, C3, etc."
A1	8"Tx2.38" Dia. Pipe x.15"	60.00	10.00	C1	8"Tx2.38" Dia. Pipe x.15"	60.00	10.00
A2	6"Tx2.38" Dia. Pipe x.15"	34.50	34.00	C2	6"Tx2.38" Dia. Pipe x.15"	34.50	74.00
A3	6"Tx2.38" Dia. Pipe x.15"	34.50	75.00	C3	6"Tx2.38" Dia. Pipe x.15"	34.50	106.00
A4	6"Tx2.38" Dia. Pipe x.15"	34.50	115.00	C4	6"Tx2.38" Dia. Pipe x.15"	34.50	139.00
A5	6"Tx2.38" Dia. Pipe x.15"	34.50	139.00	C5			
A6				C6			
B1	8"Tx2.38" Dia. Pipe x.15"	60.00	10.00	D1			
B2	6"Tx2.38" Dia. Pipe x.15"	34.50	74.00	D2			
B3	6"Tx2.38" Dia. Pipe x.15"	34.50	106.00	D3			
B4	6"Tx2.38" Dia. Pipe x.15"	34.50	139.00	D4			
B5				D5			
B6				D6			

Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.)  
 Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.)  
 Please enter additional information or comments below.  
 Ant.8 = 141'4" Base | Racap Squid | RRFDC-3315-PF-48 | 19"Tx15"Wx10"D | 1 per 270° | 1 QTY 1.55" | pic.#701  
 M1 = 18.25" (Measurements of Gap at All-Threads)  
 See sketch for details.  
 Tower Face Width at Mount Elev. (ft.): \_\_\_\_\_ Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.): 48.4

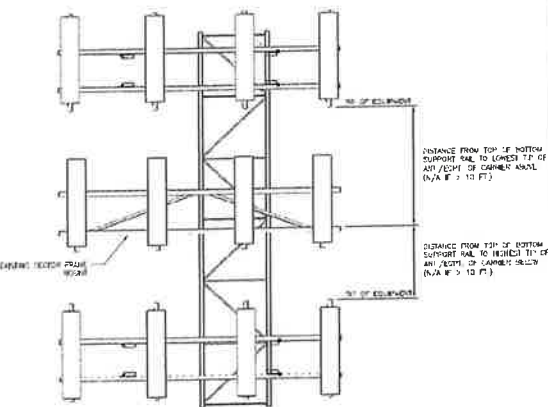
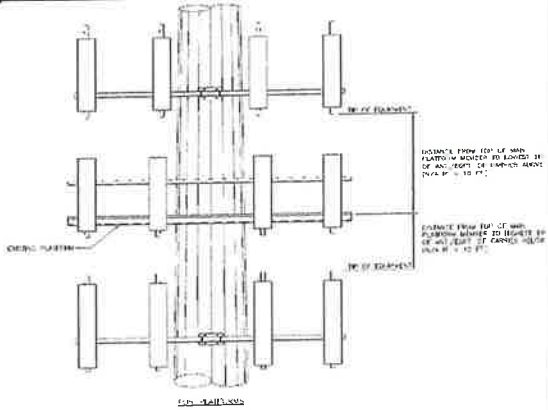


Ants. Items	Enter antenna model. If not labled, enter "Unknown".					Mounting Locations (Units are inches and degrees)			Photos of antennas  Photo Numbers
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Vertical Distances "b <sub>1a</sub> , b <sub>2a</sub> , b <sub>3a</sub> , b <sub>1b</sub> ,..." (In.)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	
<b>Sector A</b>									
Ant <sub>1a</sub>									
Ant <sub>1b</sub>	HBXX-6517DS-A2M	12.00	6.50	74.00	1 QTY 1.55"	5.25	9.00	110.00	680
Ant <sub>1c</sub>	B4 RRH2x60-4R	11.00	6.00	36	1 QTY 1.55"	34.25			690
Ant <sub>2a</sub>									
Ant <sub>2b</sub>	Panel	9.50	8.00	47.00	1 QTY 1 5/8"	12.25	9.00	95.00	688
Ant <sub>2c</sub>									
Ant <sub>3a</sub>									
Ant <sub>3b</sub>	LNx-6514DS-A1M	12.00	7.50	73.00	1 QTY 1.55"	5.25	7.00	110.00	684
Ant <sub>3c</sub>	RF101002	16.00	10.00	16.00	1 QTY 1.55"	16.25	-7.00		693
Ant <sub>4a</sub>									
Ant <sub>4b</sub>	HBXX-6517DS-A2M	12.00	6.50	74.00	1 QTY 1.55"	5.25	9.00	120.00	680
Ant <sub>4c</sub>									
Ant <sub>5a</sub>									
Ant <sub>5b</sub>	Panel	9.50	8.00	47.00	1 QTY 1 5/8"	12.25	9.00	95.00	688
Ant <sub>5c</sub>									
<b>Sector B</b>									
Ant <sub>1a</sub>									
Ant <sub>1b</sub>	HBXX-6517DS-A2M	12.00	6.50	74.00	1 QTY 1.55"	5.25	7.00	230.00	680
Ant <sub>1c</sub>	B4 RRH2x60-4R	11.00	6.00	36	1 QTY 1.55"	34.25			690
Ant <sub>2a</sub>									
Ant <sub>2b</sub>	LNx-6514DS-A1M	12.00	7.50	73.00	1 QTY 1.55"	5.25	7.00	230.00	684
Ant <sub>2c</sub>	RF101002	16.00	10.00	16.00	1 QTY 1.55"	16.25	-7.00		693



Antenna Layout

Mount Azimuth (Degree) for Each Sector and Climbing Information			Ant <sub>3a</sub>									
Sector A:	90.00	↗	Ant <sub>3b</sub>	1270-09-5344	12.00	6.50	73.00	N/A	5.25	7.00	240.00	686
Sector B:	210.00		Ant <sub>3c</sub>									
Sector C:	330.00		Ant <sub>4a</sub>									
Sector D:			Ant <sub>4b</sub>	LNX-8513DS-A1M	12.00	7.50	73.00	1 QTY 1 5/8"	5.25	7.00	210.00	682
Climbing	300.00		Ant <sub>4c</sub>									
Climbing Facility	Corrosion Type:	Good condition.	Ant <sub>5a</sub>									
	Access:	Climbing path was unobstructed.	Ant <sub>5b</sub>									
	Condition:	N/A	Ant <sub>5c</sub>									



Sector C												
Ant <sub>1a</sub>												
Ant <sub>1b</sub>	HBXX-6517DS-A2M	12.00	6.50	74.00	1 QTY 1.55"	5.25	7.00	335.00	680			
Ant <sub>1c</sub>	B4 RRH2x60-4R	11.00	6.00	36	1 QTY 1.55"	52.25			690			
Ant <sub>2a</sub>												
Ant <sub>2b</sub>	LNX-6514DS-A1M	12.00	7.50	73.00	1 QTY 1.55"	5.25	7.00	335.00	684			
Ant <sub>2c</sub>	RF101002	16.00	10.00	16.00	1 QTY 1.55"	16.25	-7.00		693			
Ant <sub>3a</sub>												
Ant <sub>3b</sub>	HBXX-6517DS-A2M	12.00	6.50	74.00	1 QTY 1.55"	5.25	9.00	335.00	680			
Ant <sub>3c</sub>												
Ant <sub>4a</sub>												
Ant <sub>4b</sub>	LNX-8513DS-A1M	12.00	7.50	73.00	1 QTY 1 5/8"	5.25	7.00	340.00	682			
Ant <sub>4c</sub>												
Ant <sub>5a</sub>												
Ant <sub>5b</sub>												
Ant <sub>5c</sub>												

Sector D												
Ant <sub>1a</sub>												
Ant <sub>1b</sub>												
Ant <sub>1c</sub>												
Ant <sub>2a</sub>												
Ant <sub>2b</sub>												
Ant <sub>2c</sub>												
Ant <sub>3a</sub>												
Ant <sub>3b</sub>												
Ant <sub>3c</sub>												
Ant <sub>4a</sub>												
Ant <sub>4b</sub>												
Ant <sub>4c</sub>												
Ant <sub>5a</sub>												
Ant <sub>5b</sub>												
Ant <sub>5c</sub>												

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

- Mapping Notes**
- Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
  - If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use an ultrasonic measurement tool (thickness gauge) to measure the thickness.
  - Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.
  - Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.

5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
6. Please measure and report the size and length of all existing antenna mounting pipes.
7. Please measure and report the antenna information for all sectors.
8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

**Standard Conditions**

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



### Antenna Mount Mapping Form (PATENT PENDING)

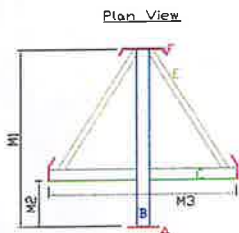
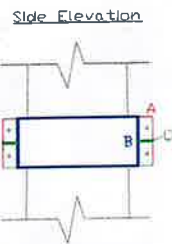
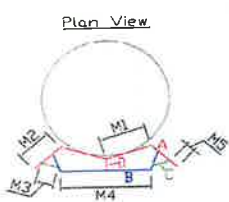
FCC #

1051828

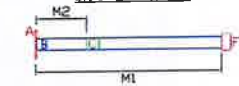
Tower Owner:	SBA Towers	Mapping Date:	4/28/2020
Site Name:	NE STONINGTON EAST	Tower Type:	Monopole
Site Number or ID:	469139	Tower Height (Ft.):	
Mapping Contractor:	High Tower Solutions	Mount Elevation (Ft.):	138'6"

This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

**Please Insert Sketches of the Antenna Mount**



Side Elevation



Plan View 'D'      Plan View 'E'



Label	Member Size	Bolt Size
A	10"Tx.5" Flat	3-.75" All-Threads
B	16"Lx10"x4.75"x.38" Channel	Welded
C	6"Lx2.5"Wx.38" Flat	Welded
D	10"Tx4"Wx.38" Flat	Welded
M1	7"	
M2	8"	
M3	6"	
M4	16"	
M5	2.5"	

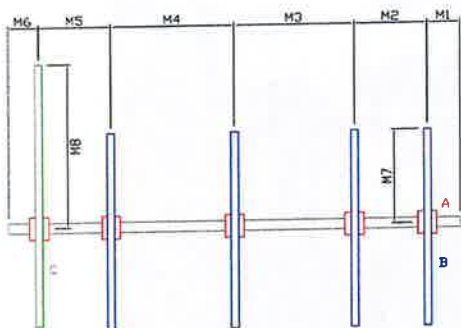
Front Elevation



Label	Member Size	Bolt Size
A	12'6"Lx3.5"Dia. Pipe x.20"	1-.5" U-Bolt

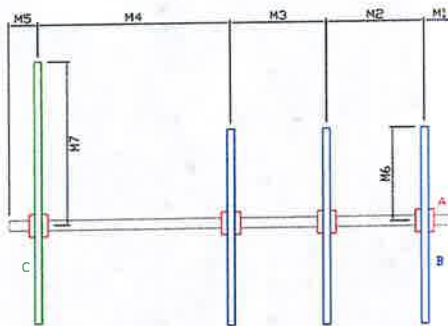
Label	Member Size	Bolt Size
A	10"Tx10"Wx.62" Flat	4-62" Bolts
B	5'2"Lx4"Sq. Tube x.260"	Welded
C	2'4.5"Lx4"Sq. Tube x.262"	Welded
D	6"Tx.38" Flat	Welded
E	4'4"Lx2"x2"x.20" Angle	Welded
F	6"Tx.5" Flat	Welded
M1	5'2.5"	
M2	15.5"	
M3	5'1"	
M4	5"	
M5	3.5"	
M6	12.5"	
M7	3"	

Front Elevation Alpha Pipe Mount



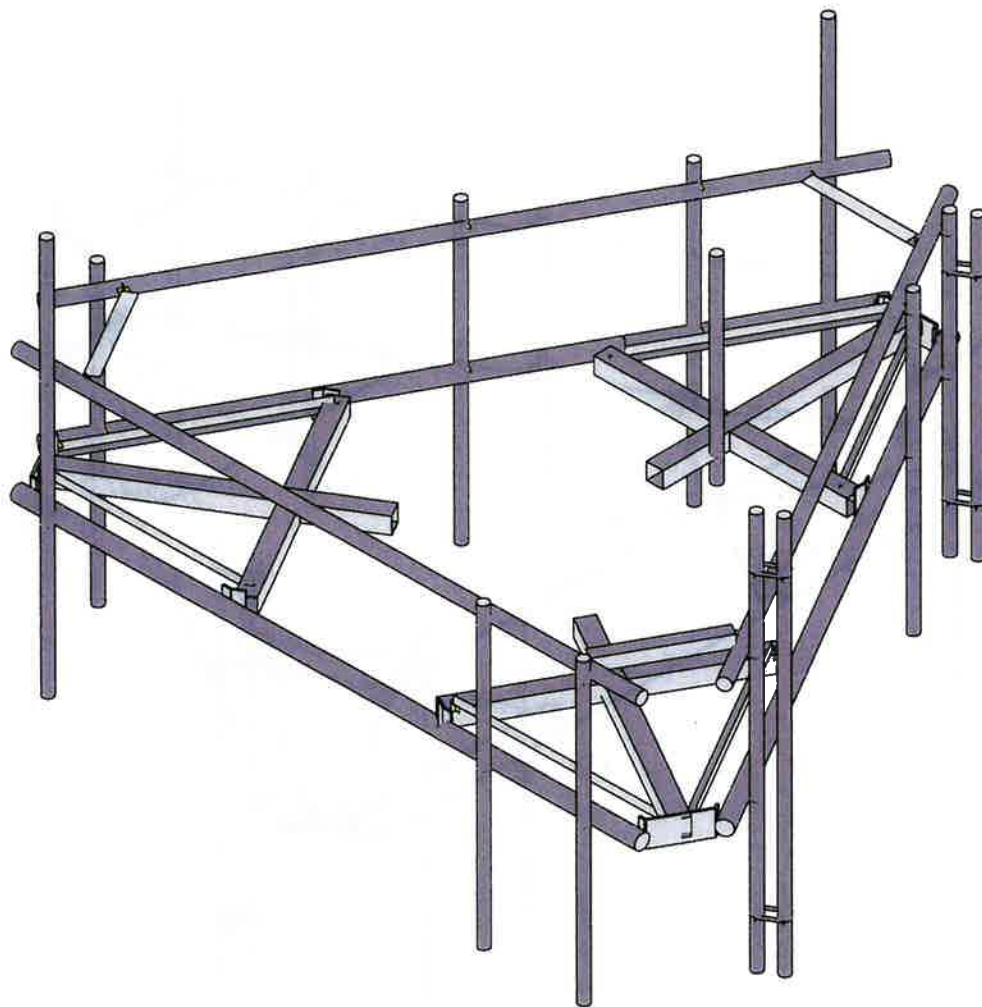
Label	Member Size	Bolt Size
A	8.25"Tx6.25"x2.5"x.38" Channel	2-.5" U-Bolts
B	6"Tx2.38" Dia Pipe x.15"	2-.5" U-Bolts
C	8"Tx2.38" Dia. Pipe x.15"	2-.5" U-Bolts
M1	11"	
M2	2"	
M3	3'4"	
M4	3'5"	
M5	2"	
M6	10"	
M7	2'10.5"	
M8	5"	

Front Elevation Beta & Gamma Pipe Mount

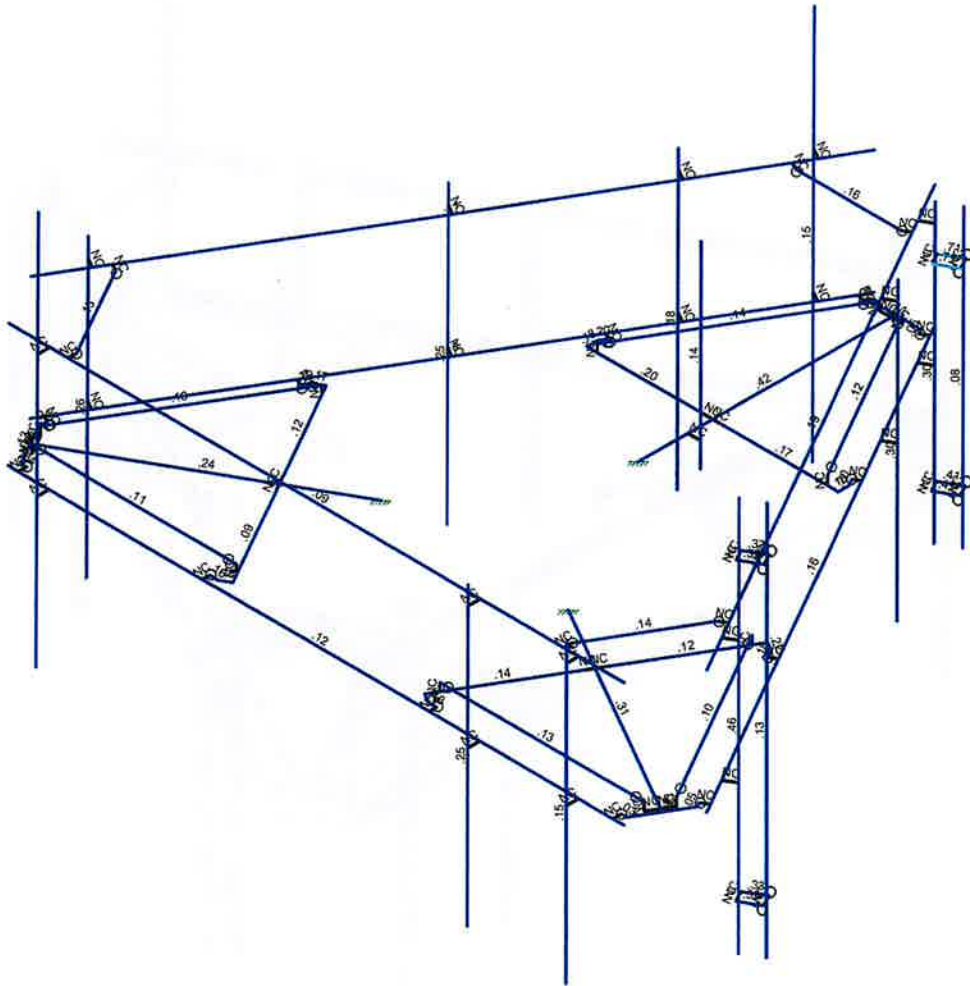
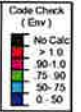


Label	Member Size	Bolt Size
A	8.25"Tx6.25"x2.5"x.38" Channel	2-.5" U-Bolts
B	6"Tx2.38" Dia Pipe x.15"	2-.5" U-Bolts
C	8"Tx2.38" Dia. Pipe x.15"	2-.5" U-Bolts
M1	11"	
M2	2'9"	
M3	2'8"	
M4	5'4"	
M5	10"	
M6	2'10.5"	
M7	5"	






SK - 1  
July 19, 2023 at 9:52 PM  
5000245961-VZW\_MT\_LO\_H.r3d

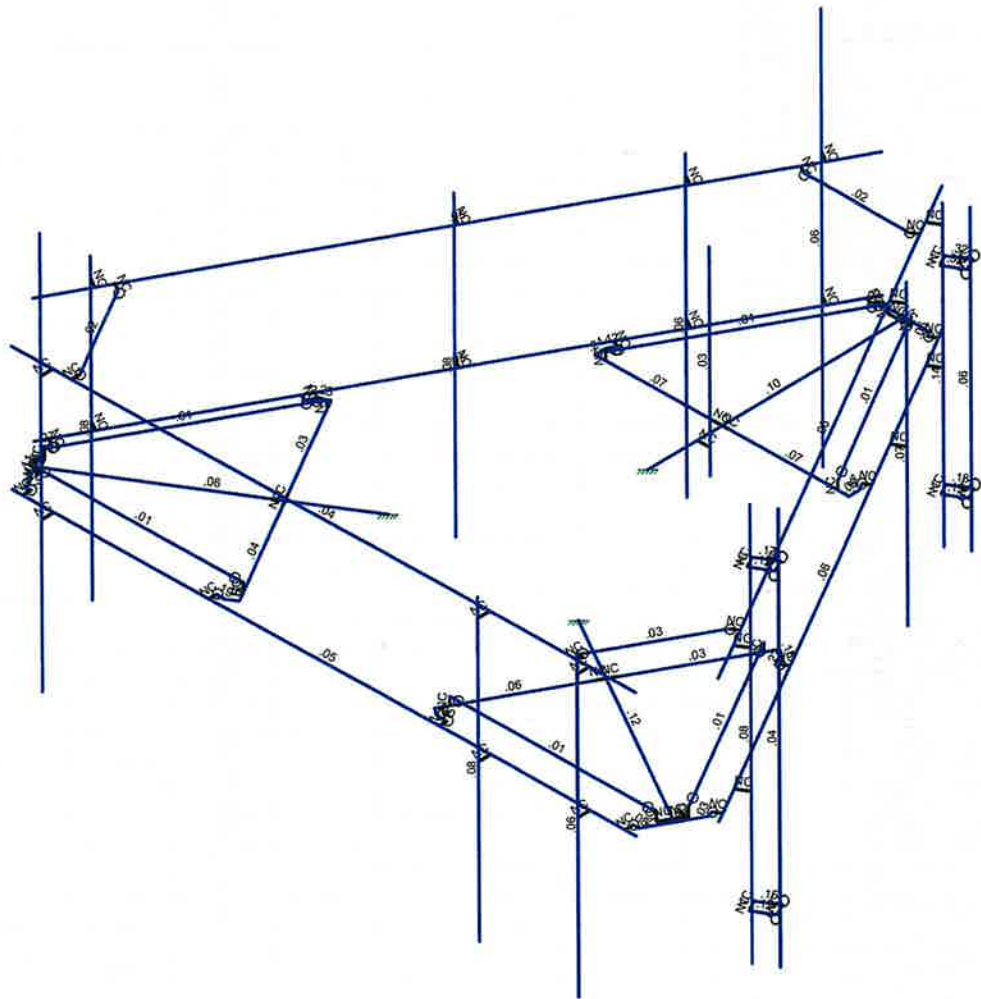
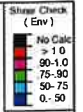


Member Code Checks Displayed (Enveloped)  
Results for LC 1, 1.2D+1.0W<sub>0</sub> (G Deg)


SK - 2

July 19, 2023 at 9:52 PM

5000245961-VZW\_MT\_LO\_H.r3d



Member Shear Checks Displayed (Enveloped)  
Results for LC 1, 1.2D+1.0W<sub>o</sub> (0 Deg)


SK - 3

July 19, 2023 at 9:52 PM

5000245961-VZW\_MT\_LO\_H.r3d





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

**Basic Load Cases**

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					90		
2	Antenna Di	None					90		
3	Antenna Wo (0 Deg)	None					90		
4	Antenna Wo (30 Deg)	None					90		
5	Antenna Wo (60 Deg)	None					90		
6	Antenna Wo (90 Deg)	None					90		
7	Antenna Wo (120 Deg)	None					90		
8	Antenna Wo (150 Deg)	None					90		
9	Antenna Wo (180 Deg)	None					90		
10	Antenna Wo (210 Deg)	None					90		
11	Antenna Wo (240 Deg)	None					90		
12	Antenna Wo (270 Deg)	None					90		
13	Antenna Wo (300 Deg)	None					90		
14	Antenna Wo (330 Deg)	None					90		
15	Antenna Wi (0 Deg)	None					90		
16	Antenna Wi (30 Deg)	None					90		
17	Antenna Wi (60 Deg)	None					90		
18	Antenna Wi (90 Deg)	None					90		
19	Antenna Wi (120 Deg)	None					90		
20	Antenna Wi (150 Deg)	None					90		
21	Antenna Wi (180 Deg)	None					90		
22	Antenna Wi (210 Deg)	None					90		
23	Antenna Wi (240 Deg)	None					90		
24	Antenna Wi (270 Deg)	None					90		
25	Antenna Wi (300 Deg)	None					90		
26	Antenna Wi (330 Deg)	None					90		
27	Antenna Wm (0 Deg)	None					90		
28	Antenna Wm (30 Deg)	None					90		
29	Antenna Wm (60 Deg)	None					90		
30	Antenna Wm (90 Deg)	None					90		
31	Antenna Wm (120 De...	None					90		
32	Antenna Wm (150 De...	None					90		
33	Antenna Wm (180 De...	None					90		
34	Antenna Wm (210 De...	None					90		
35	Antenna Wm (240 De...	None					90		
36	Antenna Wm (270 De...	None					90		
37	Antenna Wm (300 De...	None					90		
38	Antenna Wm (330 De...	None					90		
39	Structure D	None		-1					3
40	Structure Di	None						66	3
41	Structure Wo (0 Deg)	None						132	
42	Structure Wo (30 Deg)	None						132	
43	Structure Wo (60 Deg)	None						132	
44	Structure Wo (90 Deg)	None						132	
45	Structure Wo (120 D...	None						132	
46	Structure Wo (150 D...	None						132	
47	Structure Wo (180 D...	None						132	
48	Structure Wo (210 D...	None						132	
49	Structure Wo (240 D...	None						132	
50	Structure Wo (270 D...	None						132	
51	Structure Wo (300 D...	None						132	
52	Structure Wo (330 D...	None						132	
53	Structure Wi (0 Deg)	None						132	
54	Structure Wi (30 Deg)	None						132	
55	Structure Wi (60 Deg)	None						132	
56	Structure Wi (90 Deg)	None						132	
57	Structure Wi (120 De...	None						132	
58	Structure Wi (150 De...	None						132	



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

**Basic Load Cases (Continued)**

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...)	Surface(P...
59	Structure Wi (180 De..	None						132	
60	Structure Wi (210 De..	None						132	
61	Structure Wi (240 De..	None						132	
62	Structure Wi (270 De..	None						132	
63	Structure Wi (300 De..	None						132	
64	Structure Wi (330 De..	None						132	
65	Structure Wm (0 Deg)	None						132	
66	Structure Wm (30 De..	None						132	
67	Structure Wm (60 De..	None						132	
68	Structure Wm (90 De..	None						132	
69	Structure Wm (120 D..	None						132	
70	Structure Wm (150 D..	None						132	
71	Structure Wm (180 D..	None						132	
72	Structure Wm (210 D..	None						132	
73	Structure Wm (240 D..	None						132	
74	Structure Wm (270 D..	None						132	
75	Structure Wm (300 D..	None						132	
76	Structure Wm (330 D..	None						132	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	Antenna Ev	None					90		
82	Antenna Eh (0 Deg)	None					60		
83	Antenna Eh (90 Deg)	None					60		
84	Structure Ev	ELY		-039					3
85	Structure Eh (0 Deg)	ELZ			-097				3
86	Structure Eh (90 Deg)	ELX	.097						3
87	BLC 39 Transient Are..	None						30	
88	BLC 40 Transient Are..	None						30	
89	BLC 84 Transient Are..	None						30	
90	BLC 85 Transient Are..	None						30	
91	BLC 86 Transient Are..	None						30	

**Load Combinations**

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



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

**Load Combinations (Continued)**

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



Company  
Designer  
Job Number  
Model Name

July 19, 2023  
9:53 PM  
Checked By: \_\_\_\_\_

**Joint Coordinates and Temperatures**

	Label	X [ft]	Y [ft]	Z [ft]	Temp (F)	Detach From Diap...
1	N1	-6.858023	0	3.257397	0	
2	N2	-0.608023	0	-7.56792	0	
3	N3	1.912473	0	1.104167	0	
4	N5	4.482344	0	-0.346981	0	
5	N6	2.053959	0.166667	3.859106	0	
6	N7	4.369063	0.166667	-0.150772	0	
7	N8	-6.399689	0	2.463541	0	
8	N9	-6.616196	0	2.338541	0	
9	N10	-1.024689	0	-6.846233	0	
10	N11	-1.241196	0	-6.971233	0	
11	N14	-3.733023	0	-2.155262	0	
12	N15	-3.949529	0	-2.280262	0	
13	N16	-3.949529	-3.125	-2.280262	0	
14	N17	-3.949529	2.875	-2.280262	0	
15	N18	-1.241196	-3	-6.971233	0	
16	N19	-1.241196	5	-6.971233	0	
17	N22	-6.616196	-3.125	2.338541	0	
18	N23	-6.616196	2.875	2.338541	0	
19	N24	3.211511	0	1.854167	0	
20	N27	6.40498	0	3.697917	0	
21	CP	0	0	0	0	
22	N29	2.053959	0	3.859106	0	
23	N30	4.369063	0	-0.150772	0	
24	N101	1.940678	0	4.055315	0	
25	N102	3.294844	0	1.709829	0	
26	N103A	3.128178	0	1.998504	0	
27	N104A	4.671787	0	-0.237606	0	
28	N105	2.130121	0	4.16469	0	
29	N131	2.296787	0	4.16469	0	
30	N135	6.035188	0	4.144461	0	
31	N144	4.755121	0	-0.093269	0	
32	N148	6.606802	0	3.154396	0	
33	N86A	2.296787	0	4.310523	0	
34	N86B	4.881416	0	-0.166186	0	
35	N86C	6.662792	0	3.251372	0	
36	N87A	6.147167	0	4.144461	0	
37	N86D	6.035188	0	4.310523	0	
38	N86E	6.750617	0	3.071364	0	
39	N88A	6.332811	0	3.65625	0	
40	N87C	6.215692	0.166667	3.859106	0	
41	N86G	6.215692	0	3.859106	0	
42	N87B	6.44993	0.166667	3.453394	0	
43	N88C	6.44993	0	3.453394	0	
44	N87D	-0.	0	-2.208333	0	
45	N88B	-2.541667	0	-3.708333	0	
46	N89	2.315104	0.166667	-3.708333	0	
47	N90	-2.315104	0.166667	-3.708333	0	
48	N91	-0.	0	-3.708333	0	
49	N92	-0.	0	-7.395833	0	
50	N93	2.315104	0	-3.708333	0	
51	N94	-2.315104	0	-3.708333	0	
52	N95	2.541667	0	-3.708333	0	
53	N96	-0.166667	0	-3.708333	0	
54	N97	0.166667	0	-3.708333	0	
55	N98	-2.541667	0	-3.927083	0	
56	N99	2.541667	0	-3.927083	0	
57	N100	2.458333	0	-4.071421	0	
58	N101A	0.571615	0	-7.298857	0	



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

**Joint Coordinates and Temperatures (Continued)**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
59	N102A	-2.458333	0	-4.071421	0	
60	N103	-0.571615	0	-7.298857	0	
61	N104	2.584629	0	-4.144338	0	
62	N105A	-2.584629	0	-4.144338	0	
63	N106	-0.515625	0	-7.395833	0	
64	N107	0.515625	0	-7.395833	0	
65	N108	0.715429	0	-7.381888	0	
66	N109	-0.715429	0	-7.381888	0	
67	N110	-0	0	-7.3125	0	
68	N111	0.234238	0.166667	-7.3125	0	
69	N112	0.234238	0	-7.3125	0	
70	N113	-0.234238	0.166667	-7.3125	0	
71	N114	-0.234238	0	-7.3125	0	
72	N115	-1.912473	0	1.104167	0	
73	N116	-1.940678	0	4.055315	0	
74	N117	-4.369063	0.166667	-0.150772	0	
75	N118	-2.053959	0.166667	3.859106	0	
76	N119	-3.211511	0	1.854167	0	
77	N120	-6.40498	0	3.697917	0	
78	N121	-4.369063	0	-0.150772	0	
79	N122	-2.053959	0	3.859106	0	
80	N123	-4.482344	0	-0.346981	0	
81	N124	-3.128178	0	1.998504	0	
82	N125	-3.294844	0	1.709829	0	
83	N126	-2.130121	0	4.16469	0	
84	N127	-4.671787	0	-0.237606	0	
85	N128	-4.755121	0	-0.093269	0	
86	N129	-6.606802	0	3.154396	0	
87	N130	-2.296787	0	4.16469	0	
88	N131A	-6.035188	0	4.144461	0	
89	N132	-4.881416	0	-0.166185	0	
90	N133	-2.296787	0	4.310523	0	
91	N134	-6.147167	0	4.144461	0	
92	N135A	-6.662792	0	3.251372	0	
93	N136	-6.750617	0	3.071364	0	
94	N137	-6.035188	0	4.310523	0	
95	N138	-6.332811	0	3.65625	0	
96	N139	-6.44993	0.166667	3.453394	0	
97	N140	-6.44993	0	3.453394	0	
98	N141	-6.215692	0.166667	3.859106	0	
99	N142	-6.215692	0	3.859106	0	
100	N104B	6.25	0	4.310523	0	
101	N105B	-6.25	0	4.310523	0	
102	N124A	0.608023	0	-7.56792	0	
103	N125A	6.858023	0	3.257397	0	
104	N110A	-2.024689	0	-5.114182	0	
105	N111A	-2.241196	0	-5.239182	0	
106	N112A	-2.241196	-3.125	-5.239182	0	
107	N113A	-2.241196	2.875	-5.239182	0	
108	N113B	5.333333	0	4.310523	0	
109	N114A	5.333333	0	4.560523	0	
110	N115A	-5.416667	0	4.310523	0	
111	N116A	-5.416667	0	4.560523	0	
112	N117A	3.333333	0	4.310523	0	
113	N118A	3.333333	0	4.560523	0	
114	N123A	-5.416667	-3	4.560523	0	
115	N124B	-5.416667	5	4.560523	0	
116	N125B	3.333333	-3.125	4.560523	0	
117	N126A	3.333333	2.875	4.560523	0	



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

**Joint Coordinates and Temperatures (Continued)**

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
118	N127A	5.333333	-3.125	4.560523	0	
119	N128A	5.333333	2.875	4.560523	0	
120	N129A	3.333333	2.75	4.560523	0	
121	N134A	1.066356	0	-6.774064	0	
122	N135B	1.282862	0	-6.899064	0	
123	N136A	6.441356	0	2.535709	0	
124	N137A	6.657862	0	2.410709	0	
125	N138A	2.066356	0	-5.042013	0	
126	N139A	2.282862	0	-5.167013	0	
127	N144A	6.657862	-3	2.410709	0	
128	N145	6.657862	5	2.410709	0	
129	N146	2.282862	-3.125	-5.167013	0	
130	N147	2.282862	2.875	-5.167013	0	
131	N148A	1.282862	-3.125	-6.899064	0	
132	N149	1.282862	2.875	-6.899064	0	
133	N150	2.282862	2.75	-5.167013	0	
134	N147A	-0.	0	-3.208333	0	
135	N148B	0.25	0	-3.208333	0	
136	N149A	0.25	-.5	-3.208333	0	
137	N150A	0.25	3.5	-3.208333	0	
138	N151	-6.858023	2.5	3.257397	0	
139	N152	-0.608023	2.5	-7.56792	0	
140	N153	-6.399689	2.5	2.463541	0	
141	N154	-6.616196	2.5	2.338541	0	
142	N155	-1.024689	2.5	-6.846233	0	
143	N156	-1.241196	2.5	-6.971233	0	
144	N159	-3.733023	2.5	-2.155262	0	
145	N160	-3.949529	2.5	-2.280262	0	
146	N161	5.035188	2.5	4.144461	0	
147	N162	5.035188	2.5	4.310523	0	
148	N163	-5.035188	2.5	4.144461	0	
149	N164	-5.035188	2.5	4.310523	0	
150	N165	6.25	2.5	4.310523	0	
151	N166	-6.25	2.5	4.310523	0	
152	N167	0.608023	2.5	-7.56792	0	
153	N168	6.858023	2.5	3.257397	0	
154	N169	-2.024689	2.5	-5.114182	0	
155	N170	-2.241196	2.5	-5.239182	0	
156	N171	5.333333	2.5	4.310523	0	
157	N172	5.333333	2.5	4.560523	0	
158	N173	-5.416667	2.5	4.310523	0	
159	N174	-5.416667	2.5	4.560523	0	
160	N175	3.333333	2.5	4.310523	0	
161	N176	3.333333	2.5	4.560523	0	
162	N179	1.066356	2.5	-6.774064	0	
163	N180	1.282862	2.5	-6.899064	0	
164	N181	6.441356	2.5	2.535709	0	
165	N182	6.657862	2.5	2.410709	0	
166	N183	2.066356	2.5	-5.042013	0	
167	N184	2.282862	2.5	-5.167013	0	
168	N187	1.071615	2.5	-6.432831	0	
169	N188	1.215429	2.5	-6.515862	0	
170	N189	6.106802	2.5	2.28837	0	
171	N190	6.250617	2.5	2.205339	0	
172	N191	-6.106802	2.5	2.28837	0	
173	N192	-6.250617	2.5	2.205339	0	
174	N193	-1.071615	2.5	-6.432831	0	
175	N194	-1.215429	2.5	-6.515862	0	
176	N195	-0.	0	-5.208333	0	



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

**Joint Coordinates and Temperatures (Continued)**

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
177	N197	-4.510549	0	2.604167	0	
178	N199	4.510549	0	2.604167	0	
179	N179A	1.643706	-3.125	-7.107397	0	
180	N180A	1.643706	2.875	-7.107397	0	
181	N181A	1.282862	1.875	-6.899064	0	
182	N182A	1.643706	1.875	-7.107397	0	
183	N183A	1.220362	1.875	-7.007317	0	
184	N184A	1.581206	1.875	-7.21565	0	
185	N185	1.345362	1.875	-6.790811	0	
186	N186	1.706206	1.875	-6.999144	0	
187	N187A	1.282862	-2.125	-6.899064	0	
188	N188A	1.643706	-2.125	-7.107397	0	
189	N189A	1.220362	-2.125	-7.007317	0	
190	N190A	1.581206	-2.125	-7.21565	0	
191	N191A	1.345362	-2.125	-6.790811	0	
192	N192A	1.706206	-2.125	-6.999144	0	
193	N193A	7.018706	-3	2.202376	0	
194	N194A	7.018706	5	2.202376	0	
195	N195A	6.657862	4	2.410709	0	
196	N196	7.018706	4	2.202376	0	
197	N197A	6.595362	4	2.302456	0	
198	N198	6.956206	4	2.094123	0	
199	N199A	6.720362	4	2.518962	0	
200	N200	7.081206	4	2.310629	0	
201	N201	6.610987	4	2.329519	0	
202	N202	6.657862	-2	2.410709	0	
203	N203	7.018706	-2	2.202376	0	
204	N204	6.595362	-2	2.302456	0	
205	N205	6.956206	-2	2.094123	0	
206	N206	6.720362	-2	2.518962	0	
207	N207	7.081206	-2	2.310629	0	

**Hot Rolled Steel Section Sets**

	Label	Shape	Type	Design List	Material	Design Rules	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 Horizo...	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Hor...	HSS4X4X4	Beam	SquareTube	A500 Gr.B R...	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2X6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Cro...	HSS4X4X4	Beam	SquareTube	A500 Gr.B R...	Typical	3.37	7.8	7.8	12.8
5	Grating Sup...	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm P...	PL3/8X6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Support Rail	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail...	L3X3X4	Column	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	Kickers	LL3x3x3x3	Column	Double Angl...	A36 Gr.36	Typical	2.18	4.09	1.9	.027
11	Dual Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
12	MOD Thread...	SR 0.625	Column	BAR	A36 Gr.36	Typical	.307	.007	.007	.015

**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	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

**Hot Rolled Steel Properties (Continued)**

	Label	E [ksii]	G [ksii]	Nu	Therm (1/E...)	Density(k/ft...)	Yield[ksii]	Rv	Fu[ksii]	Rt
8	Q235	29000	11154	3	.65	.49	35	1.5	58	1.2

**Member Primary Data**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			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	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M22	N14	N15			RIGID	None	None	RIGID	Typical
7	MP2B	N17	N16			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
8	MP4B	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP1B	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
11	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
12	M35A	N7	N30			RIGID	None	None	RIGID	Typical
13	M36A	N6	N29			RIGID	None	None	RIGID	Typical
14	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
15	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
16	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
17	M58	N102	N24			RIGID	None	None	RIGID	Typical
18	M59	N24	N103A			RIGID	None	None	RIGID	Typical
19	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
20	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
21	M79	N131	N86A			RIGID	None	None	RIGID	Typical
22	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
23	M83	N135	N86D			RIGID	None	None	RIGID	Typical
24	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
25	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
26	M88	N144	N86B			RIGID	None	None	RIGID	Typical
27	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
28	M92	N148	N86E			RIGID	None	None	RIGID	Typical
29	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
30	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
31	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
32	M52A	N87D	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B..	Typical
33	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
34	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
35	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
36	M56	N90	N94			RIGID	None	None	RIGID	Typical
37	M57	N89	N93			RIGID	None	None	RIGID	Typical
38	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
39	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
40	M60	N113	N114			RIGID	None	None	RIGID	Typical
41	M61	N96	N91			RIGID	None	None	RIGID	Typical
42	M62	N91	N97			RIGID	None	None	RIGID	Typical
43	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
44	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
45	M65	N100	N104			RIGID	None	None	RIGID	Typical
46	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
47	M67	N101A	N108			RIGID	None	None	RIGID	Typical
48	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
49	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
50	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
51	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
52	M72	N103	N109			RIGID	None	None	RIGID	Typical
53	M73	N114	N110			RIGID	None	None	RIGID	Typical



**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
54	M74	N110	N112			RIGID	None	None	RIGID	Typical
55	M75	N111	N112			RIGID	None	None	RIGID	Typical
56	M76A	N115	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B..	Typical
57	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
58	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
59	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
60	M80A	N118	N122			RIGID	None	None	RIGID	Typical
61	M81	N117	N121			RIGID	None	None	RIGID	Typical
62	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
63	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
64	M84A	N141	N142			RIGID	None	None	RIGID	Typical
65	M85A	N124	N119			RIGID	None	None	RIGID	Typical
66	M86	N119	N125			RIGID	None	None	RIGID	Typical
67	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
68	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
69	M89	N128	N132			RIGID	None	None	RIGID	Typical
70	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
71	M91A	N129	N136			RIGID	None	None	RIGID	Typical
72	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
73	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
74	M94	N130	N133			RIGID	None	None	RIGID	Typical
75	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
76	M96	N131A	N137			RIGID	None	None	RIGID	Typical
77	M97	N142	N138			RIGID	None	None	RIGID	Typical
78	M98	N138	N140			RIGID	None	None	RIGID	Typical
79	M99	N139	N140			RIGID	None	None	RIGID	Typical
80	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
81	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
82	M84B	N110A	N111A			RIGID	None	None	RIGID	Typical
83	MP3B	N113A	N112A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M86A	N113B	N114A			RIGID	None	None	RIGID	Typical
85	M87A	N115A	N116A			RIGID	None	None	RIGID	Typical
86	M88B	N117A	N118A			RIGID	None	None	RIGID	Typical
87	MP3A	N124B	N123A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	MP2A	N126A	N125B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP1A	N128A	N127A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M96A	N134A	N135B			RIGID	None	None	RIGID	Typical
91	M97A	N136A	N137A			RIGID	None	None	RIGID	Typical
92	M98A	N138A	N139A			RIGID	None	None	RIGID	Typical
93	MP6C	N145	N144A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	MP2C	N147	N146			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
95	MP1C2	N149	N148A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	M102	N147A	N148B			RIGID	None	None	RIGID	Typical
97	M103	N150A	N149A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	M104	N151	N152			Support Rail	Column	Pipe	A53 Gr.B	Typical
99	M105	N153	N154			RIGID	None	None	RIGID	Typical
100	M106	N155	N156			RIGID	None	None	RIGID	Typical
101	M108	N159	N160			RIGID	None	None	RIGID	Typical
102	M109	N161	N162			RIGID	None	None	RIGID	Typical
103	M110	N163	N164			RIGID	None	None	RIGID	Typical
104	M111	N165	N166			Support Rail	Column	Pipe	A53 Gr.B	Typical
105	M112	N167	N168			Support Rail	Column	Pipe	A53 Gr.B	Typical
106	M113	N169	N170			RIGID	None	None	RIGID	Typical
107	M114	N171	N172			RIGID	None	None	RIGID	Typical
108	M115	N173	N174			RIGID	None	None	RIGID	Typical
109	M116	N175	N176			RIGID	None	None	RIGID	Typical
110	M118	N179	N180			RIGID	None	None	RIGID	Typical
111	M119	N181	N182			RIGID	None	None	RIGID	Typical
112	M120	N183	N184			RIGID	None	None	RIGID	Typical



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
113	M122	N187	N188			RIGID	None	None	RIGID	Typical
114	M123	N189	N190			RIGID	None	None	RIGID	Typical
115	M124	N191	N192			RIGID	None	None	RIGID	Typical
116	M125	N193	N194			RIGID	None	None	RIGID	Typical
117	M126	N163	N191		90	Support Rail C..	Column	Single Angle	A36 Gr.36	Typical
118	M127	N193	N187		90	Support Rail C..	Column	Single Angle	A36 Gr.36	Typical
119	M128	N161	N189		180	Support Rail C..	Column	Single Angle	A36 Gr.36	Typical
120	MP1C	N180A	N179A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
121	M121	N184A	N182A			RIGID	None	None	RIGID	Typical
122	M122A	N186	N182A			RIGID	None	None	RIGID	Typical
123	M123A	N185	N181A			RIGID	None	None	RIGID	Typical
124	M124A	N181A	N183A			RIGID	None	None	RIGID	Typical
125	M125A	N185	N186			MOD Threade...	Column	BAR	A36 Gr.36	Typical
126	M126A	N183A	N184A			MOD Threade...	Column	BAR	A36 Gr.36	Typical
127	M127A	N190A	N188A			RIGID	None	None	RIGID	Typical
128	M128A	N192A	N188A			RIGID	None	None	RIGID	Typical
129	M129	N191A	N187A			RIGID	None	None	RIGID	Typical
130	M130	N187A	N189A			RIGID	None	None	RIGID	Typical
131	M131	N191A	N192A			MOD Threade...	Column	BAR	A36 Gr.36	Typical
132	M132	N189A	N190A			MOD Threade...	Column	BAR	A36 Gr.36	Typical
133	MP3C	N194A	N193A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
134	M134	N200	N196			RIGID	None	None	RIGID	Typical
135	M135	N198	N196			RIGID	None	None	RIGID	Typical
136	M136	N199A	N195A			RIGID	None	None	RIGID	Typical
137	M137	N195A	N197A			RIGID	None	None	RIGID	Typical
138	M138	N199A	N200			MOD Threade...	Column	BAR	A36 Gr.36	Typical
139	M139	N197A	N198			MOD Threade...	Column	BAR	A36 Gr.36	Typical
140	M140	N207	N203			RIGID	None	None	RIGID	Typical
141	M141	N205	N203			RIGID	None	None	RIGID	Typical
142	M142	N206	N202			RIGID	None	None	RIGID	Typical
143	M143	N202	N204			RIGID	None	None	RIGID	Typical
144	M144	N206	N207			MOD Threade...	Column	BAR	A36 Gr.36	Typical
145	M145	N204	N205			MOD Threade...	Column	BAR	A36 Gr.36	Typical

**Member Advanced Data**

	Label	I Release	J Release	I Offset(in)	J Offset(in)	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M4						Yes	Default			None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M22						Yes	** NA **			None
7	MP2B						Yes	** NA **			None
8	MP4B						Yes	** NA **			None
9	MP1B						Yes	** NA **			None
10	M43						Yes	Default			None
11	M46						Yes	Default			None
12	M35A						Yes	** NA **			None
13	M36A						Yes	** NA **			None
14	M51B	OOOOOX	OOOOOX				Yes	Default			None
15	M52B	OOOOOX	OOOOOX				Yes	Default			None
16	M52						Yes	** NA **			None
17	M58						Yes	** NA **			None
18	M59						Yes	** NA **			None
19	M76						Yes	** NA **			None
20	M77						Yes	** NA **			None
21	M79		BenPIN				Yes	** NA **			None



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[In]	J Offset[In]	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
22	M80						Yes				None
23	M83		BenPIN				Yes	** NA **			None
24	M84						Yes	** NA **			None
25	M85						Yes	** NA **			None
26	M88		BenPIN				Yes	** NA **			None
27	M91						Yes				None
28	M92		BenPIN				Yes	** NA **			None
29	M50						Yes	** NA **			None
30	M51						Yes	** NA **			None
31	M51A						Yes	** NA **			None
32	M52A						Yes				None
33	M53						Yes	Default			None
34	M54						Yes	Default			None
35	M55						Yes	Default			None
36	M56						Yes	** NA **			None
37	M57						Yes	** NA **			None
38	M58A	OOOOOX	OOOOOX				Yes	Default			None
39	M59A	OOOOOX	OOOOOX				Yes	Default			None
40	M60						Yes	** NA **			None
41	M61						Yes	** NA **			None
42	M62						Yes	** NA **			None
43	M63						Yes	** NA **			None
44	M64						Yes	** NA **			None
45	M65		BenPIN				Yes	** NA **			None
46	M66						Yes				None
47	M67		BenPIN				Yes	** NA **			None
48	M68						Yes	** NA **			None
49	M69						Yes	** NA **			None
50	M70		BenPIN				Yes	** NA **			None
51	M71						Yes				None
52	M72		BenPIN				Yes	** NA **			None
53	M73						Yes	** NA **			None
54	M74						Yes	** NA **			None
55	M75						Yes	** NA **			None
56	M76A						Yes				None
57	M77A						Yes	Default			None
58	M78						Yes	Default			None
59	M79A						Yes	Default			None
60	M80A						Yes	** NA **			None
61	M81						Yes	** NA **			None
62	M82	OOOOOX	OOOOOX				Yes	Default			None
63	M83A	OOOOOX	OOOOOX				Yes	Default			None
64	M84A						Yes	** NA **			None
65	M85A						Yes	** NA **			None
66	M86						Yes	** NA **			None
67	M87						Yes	** NA **			None
68	M88A						Yes	** NA **			None
69	M89		BenPIN				Yes	** NA **			None
70	M90						Yes				None
71	M91A		BenPIN				Yes	** NA **			None
72	M92A						Yes	** NA **			None
73	M93						Yes	** NA **			None
74	M94		BenPIN				Yes	** NA **			None
75	M95						Yes				None
76	M96		BenPIN				Yes	** NA **			None
77	M97						Yes	** NA **			None
78	M98						Yes	** NA **			None
79	M99						Yes	** NA **			None
80	M82A						Yes	Default			None



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Def Rat.	Analysis ...	Inactive	Seismic...
81	M91B						Yes	Default			None
82	M84B						Yes	** NA **			None
83	MP3B						Yes	** NA **			None
84	M86A						Yes	** NA **			None
85	M87A						Yes	** NA **			None
86	M88B						Yes	** NA **			None
87	MP3A						Yes	** NA **			None
88	MP2A						Yes	** NA **			None
89	MP1A						Yes	** NA **			None
90	M96A						Yes	** NA **			None
91	M97A						Yes	** NA **			None
92	M98A						Yes	** NA **			None
93	MP6C						Yes	** NA **			None
94	MP2C						Yes	** NA **			None
95	MP1C2						Yes	** NA **			None
96	M102						Yes	** NA **			None
97	M103						Yes	** NA **			None
98	M104						Yes	** NA **			None
99	M105						Yes	** NA **			None
100	M106						Yes	** NA **			None
101	M108						Yes	** NA **			None
102	M109		000000				Yes	** NA **			None
103	M110		000000				Yes	** NA **			None
104	M111						Yes	** NA **			None
105	M112						Yes	** NA **			None
106	M113						Yes	** NA **			None
107	M114						Yes	** NA **			None
108	M115						Yes	** NA **			None
109	M116						Yes	** NA **			None
110	M118						Yes	** NA **			None
111	M119						Yes	** NA **			None
112	M120						Yes	** NA **			None
113	M122		000000				Yes	** NA **			None
114	M123		000000				Yes	** NA **			None
115	M124		000000				Yes	** NA **			None
116	M125		000000				Yes	** NA **			None
117	M126						Yes	** NA **			None
118	M127						Yes	** NA **			None
119	M128						Yes	** NA **			None
120	MP1C						Yes	** NA **			None
121	M121		000X00				Yes	** NA **			None
122	M122A		000X00				Yes	** NA **			None
123	M123A						Yes	** NA **			None
124	M124A						Yes	** NA **			None
125	M125A						Yes	** NA **			None
126	M126A						Yes	** NA **			None
127	M127A		000X00				Yes	** NA **			None
128	M128A		000X00				Yes	** NA **			None
129	M129						Yes	** NA **			None
130	M130						Yes	** NA **			None
131	M131						Yes	** NA **			None
132	M132						Yes	** NA **			None
133	MP3C						Yes	** NA **			None
134	M134		000X00				Yes	** NA **			None
135	M135		000X00				Yes	** NA **			None
136	M136						Yes	** NA **			None
137	M137						Yes	** NA **			None
138	M138						Yes	** NA **			None
139	M139						Yes	** NA **			None

**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset(in)	J Offset(in)	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
140	M140		OOOXOO				Yes	** NA **			None
141	M141		OOOXOO				Yes	** NA **			None
142	M142						Yes	** NA **			None
143	M143						Yes	** NA **			None
144	M144						Yes	** NA **			None
145	M145						Yes	** NA **			None

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-43.55	2.5
2	MP3A	My	-.022	2.5
3	MP3A	Mz	0	2.5
4	MP3A	Y	-43.55	4
5	MP3A	My	-.022	4
6	MP3A	Mz	0	4
7	MP3C	Y	-43.55	2.5
8	MP3C	My	-.004	2.5
9	MP3C	Mz	.021	2.5
10	MP3C	Y	-43.55	4
11	MP3C	My	-.004	4
12	MP3C	Mz	.021	4
13	MP4B	Y	-43.55	2.5
14	MP4B	My	.02	2.5
15	MP4B	Mz	-.007	2.5
16	MP4B	Y	-43.55	4
17	MP4B	My	.02	4
18	MP4B	Mz	-.007	4
19	MP3A	Y	-4.4	7
20	MP3A	My	-.002	7
21	MP3A	Mz	0	7
22	MP3C	Y	-4.4	7
23	MP3C	My	-.000382	7
24	MP3C	Mz	.002	7
25	MP4B	Y	-4.4	7
26	MP4B	My	.002	7
27	MP4B	Mz	-.000752	7
28	MP1C	Y	-23	.5
29	MP1C	My	.013	.5
30	MP1C	Mz	.014	.5
31	MP1C	Y	-23	4.5
32	MP1C	My	.013	4.5
33	MP1C	Mz	.014	4.5
34	MP1C	Y	-23	.5
35	MP1C	My	-.017	.5
36	MP1C	Mz	.009	.5
37	MP1C	Y	-23	4.5
38	MP1C	My	-.017	4.5
39	MP1C	Mz	.009	4.5
40	MP2A	Y	-23	.5
41	MP2A	My	-.011	.5
42	MP2A	Mz	.015	.5
43	MP2A	Y	-23	4.5
44	MP2A	My	-.011	4.5
45	MP2A	Mz	.015	4.5
46	MP2B	Y	-23	.5
47	MP2B	My	.006	.5
48	MP2B	Mz	-.018	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP2B	Y	-23	4.5
50	MP2B	My	.006	4.5
51	MP2B	Mz	-.018	4.5
52	MP2A	Y	-23	.5
53	MP2A	My	-.011	.5
54	MP2A	Mz	-.015	.5
55	MP2A	Y	-23	4.5
56	MP2A	My	-.011	4.5
57	MP2A	Mz	-.015	4.5
58	MP2B	Y	-23	.5
59	MP2B	My	.016	.5
60	MP2B	Mz	.01	.5
61	MP2B	Y	-23	4.5
62	MP2B	My	.016	4.5
63	MP2B	Mz	.01	4.5
64	MP2A	Y	-74.7	2
65	MP2A	My	.037	2
66	MP2A	Mz	0	2
67	MP2C	Y	-74.7	2
68	MP2C	My	.006	2
69	MP2C	Mz	-.037	2
70	MP3B	Y	-74.7	2
71	MP3B	My	-.035	2
72	MP3B	Mz	.013	2
73	MP1A	Y	-70.3	2
74	MP1A	My	.035	2
75	MP1A	Mz	0	2
76	MP2B	Y	-70.3	2
77	MP2B	My	-.033	2
78	MP2B	Mz	.012	2
79	M103	Y	-32	2
80	M103	My	-.004	2
81	M103	Mz	-.007	2
82	MP1C2	Y	-17.6	4
83	MP1C2	My	-.000764	4
84	MP1C2	Mz	.004	4
85	MP1C2	Y	-17.6	4
86	MP1C2	My	.000764	4
87	MP1C2	Mz	-.004	4
88	MP1C2	Y	-70.3	2
89	MP1C2	My	.006	2
90	MP1C2	Mz	-.035	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-35.636	2.5
2	MP3A	My	-.018	2.5
3	MP3A	Mz	0	2.5
4	MP3A	Y	-35.636	4
5	MP3A	My	-.018	4
6	MP3A	Mz	0	4
7	MP3C	Y	-35.636	2.5
8	MP3C	My	-.003	2.5
9	MP3C	Mz	.018	2.5
10	MP3C	Y	-35.636	4
11	MP3C	My	-.003	4
12	MP3C	Mz	.018	4
13	MP4B	Y	-35.636	2.5

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
14	MP4B	My	.017	2.5
15	MP4B	Mz	-.006	2.5
16	MP4B	Y	-35.636	4
17	MP4B	My	.017	4
18	MP4B	Mz	-.006	4
19	MP3A	Y	-13.458	7
20	MP3A	My	-.007	7
21	MP3A	Mz	0	7
22	MP3C	Y	-13.458	7
23	MP3C	My	-.001	7
24	MP3C	Mz	.007	7
25	MP4B	Y	-13.458	7
26	MP4B	My	.006	7
27	MP4B	Mz	-.002	7
28	MP1C	Y	-82.515	.5
29	MP1C	My	.047	.5
30	MP1C	Mz	.05	.5
31	MP1C	Y	-82.515	4.5
32	MP1C	My	.047	4.5
33	MP1C	Mz	.05	4.5
34	MP1C	Y	-82.515	.5
35	MP1C	My	-.061	.5
36	MP1C	Mz	.031	.5
37	MP1C	Y	-82.515	4.5
38	MP1C	My	-.061	4.5
39	MP1C	Mz	.031	4.5
40	MP2A	Y	-82.515	.5
41	MP2A	My	-.041	.5
42	MP2A	Mz	.055	.5
43	MP2A	Y	-82.515	4.5
44	MP2A	My	-.041	4.5
45	MP2A	Mz	.055	4.5
46	MP2B	Y	-82.515	.5
47	MP2B	My	.02	.5
48	MP2B	Mz	-.066	.5
49	MP2B	Y	-82.515	4.5
50	MP2B	My	.02	4.5
51	MP2B	Mz	-.066	4.5
52	MP2A	Y	-82.515	.5
53	MP2A	My	-.041	.5
54	MP2A	Mz	-.055	.5
55	MP2A	Y	-82.515	4.5
56	MP2A	My	-.041	4.5
57	MP2A	Mz	-.055	4.5
58	MP2B	Y	-82.515	.5
59	MP2B	My	.058	.5
60	MP2B	Mz	.038	.5
61	MP2B	Y	-82.515	4.5
62	MP2B	My	.058	4.5
63	MP2B	Mz	.038	4.5
64	MP2A	Y	-44.929	2
65	MP2A	My	.022	2
66	MP2A	Mz	0	2
67	MP2C	Y	-44.929	2
68	MP2C	My	.004	2
69	MP2C	Mz	-.022	2
70	MP3B	Y	-44.929	2
71	MP3B	My	-.021	2
72	MP3B	Mz	.008	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
73	MP1A	Y	-42.786	2
74	MP1A	My	.021	2
75	MP1A	Mz	0	2
76	MP2B	Y	-42.786	2
77	MP2B	My	-.02	2
78	MP2B	Mz	.007	2
79	M103	Y	-87.967	2
80	M103	My	-.011	2
81	M103	Mz	-.019	2
82	MP1C2	Y	-17.357	4
83	MP1C2	My	-.000754	4
84	MP1C2	Mz	.004	4
85	MP1C2	Y	-17.357	4
86	MP1C2	My	.000754	4
87	MP1C2	Mz	-.004	4
88	MP1C2	Y	-42.786	2
89	MP1C2	My	.004	2
90	MP1C2	Mz	-.021	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2.5
2	MP3A	Z	-78.572	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4
5	MP3A	Z	-78.572	4
6	MP3A	Mx	0	4
7	MP3C	X	0	2.5
8	MP3C	Z	-28.612	2.5
9	MP3C	Mx	-.014	2.5
10	MP3C	X	0	4
11	MP3C	Z	-28.612	4
12	MP3C	Mx	-.014	4
13	MP4B	X	0	2.5
14	MP4B	Z	-72.546	2.5
15	MP4B	Mx	.012	2.5
16	MP4B	X	0	4
17	MP4B	Z	-72.546	4
18	MP4B	Mx	.012	4
19	MP3A	X	0	7
20	MP3A	Z	-35.678	7
21	MP3A	Mx	0	7
22	MP3C	X	0	7
23	MP3C	Z	-7.862	7
24	MP3C	Mx	-.004	7
25	MP4B	X	0	7
26	MP4B	Z	-32.323	7
27	MP4B	Mx	.006	7
28	MP1C	X	0	.5
29	MP1C	Z	-71.674	.5
30	MP1C	Mx	-.044	.5
31	MP1C	X	0	4.5
32	MP1C	Z	-71.674	4.5
33	MP1C	Mx	-.044	4.5
34	MP1C	X	0	.5
35	MP1C	Z	-71.674	.5
36	MP1C	Mx	-.027	.5
37	MP1C	X	0	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
38	MP1C	Z	-71.674	4.5
39	MP1C	Mx	-.027	4.5
40	MP2A	X	0	.5
41	MP2A	Z	-94.807	.5
42	MP2A	Mx	-.063	.5
43	MP2A	X	0	4.5
44	MP2A	Z	-94.807	4.5
45	MP2A	Mx	-.063	4.5
46	MP2B	X	0	.5
47	MP2B	Z	-92.017	.5
48	MP2B	Mx	.073	.5
49	MP2B	X	0	4.5
50	MP2B	Z	-92.017	4.5
51	MP2B	Mx	.073	4.5
52	MP2A	X	0	.5
53	MP2A	Z	-94.807	.5
54	MP2A	Mx	.063	.5
55	MP2A	X	0	4.5
56	MP2A	Z	-94.807	4.5
57	MP2A	Mx	.063	4.5
58	MP2B	X	0	.5
59	MP2B	Z	-92.017	.5
60	MP2B	Mx	-.042	.5
61	MP2B	X	0	4.5
62	MP2B	Z	-92.017	4.5
63	MP2B	Mx	-.042	4.5
64	MP2A	X	0	2
65	MP2A	Z	-62.136	2
66	MP2A	Mx	0	2
67	MP2C	X	0	2
68	MP2C	Z	-42.308	2
69	MP2C	Mx	.021	2
70	MP3B	X	0	2
71	MP3B	Z	-59.744	2
72	MP3B	Mx	-.01	2
73	MP1A	X	0	2
74	MP1A	Z	-62.136	2
75	MP1A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	-59.275	2
78	MP2B	Mx	-.01	2
79	M103	X	0	2
80	M103	Z	-104.228	2
81	M103	Mx	.023	2
82	MP1C2	X	0	4
83	MP1C2	Z	-12.481	4
84	MP1C2	Mx	-.003	4
85	MP1C2	X	0	4
86	MP1C2	Z	-12.481	4
87	MP1C2	Mx	.003	4
88	MP1C2	X	0	2
89	MP1C2	Z	-38.42	2
90	MP1C2	Mx	.019	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	32.847	2.5
2	MP3A	Z	-56.892	2.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
3	MP3A	Mx	-.016	2.5
4	MP3A	X	32.847	4
5	MP3A	Z	-56.892	4
6	MP3A	Mx	-.016	4
7	MP3C	X	16.542	2.5
8	MP3C	Z	-28.652	2.5
9	MP3C	Mx	-.016	2.5
10	MP3C	X	16.542	4
11	MP3C	Z	-28.652	4
12	MP3C	Mx	-.016	4
13	MP4B	X	24.171	2.5
14	MP4B	Z	-41.866	2.5
15	MP4B	Mx	.019	2.5
16	MP4B	X	24.171	4
17	MP4B	Z	-41.866	4
18	MP4B	Mx	.019	4
19	MP3A	X	14.254	7
20	MP3A	Z	-24.688	7
21	MP3A	Mx	-.007	7
22	MP3C	X	5.176	7
23	MP3C	Z	-8.965	7
24	MP3C	Mx	-.005	7
25	MP4B	X	9.424	7
26	MP4B	Z	-16.322	7
27	MP4B	Mx	.007	7
28	MP1C	X	36.873	.5
29	MP1C	Z	-63.865	.5
30	MP1C	Mx	-.018	.5
31	MP1C	X	36.873	4.5
32	MP1C	Z	-63.865	4.5
33	MP1C	Mx	-.018	4.5
34	MP1C	X	36.873	.5
35	MP1C	Z	-63.865	.5
36	MP1C	Mx	-.051	.5
37	MP1C	X	36.873	4.5
38	MP1C	Z	-63.865	4.5
39	MP1C	Mx	-.051	4.5
40	MP2A	X	44.422	.5
41	MP2A	Z	-76.941	.5
42	MP2A	Mx	-.074	.5
43	MP2A	X	44.422	4.5
44	MP2A	Z	-76.941	4.5
45	MP2A	Mx	-.074	4.5
46	MP2B	X	40.405	.5
47	MP2B	Z	-69.984	.5
48	MP2B	Mx	.066	.5
49	MP2B	X	40.405	4.5
50	MP2B	Z	-69.984	4.5
51	MP2B	Mx	.066	4.5
52	MP2A	X	44.422	.5
53	MP2A	Z	-76.941	.5
54	MP2A	Mx	.029	.5
55	MP2A	X	44.422	4.5
56	MP2A	Z	-76.941	4.5
57	MP2A	Mx	.029	4.5
58	MP2B	X	40.405	.5
59	MP2B	Z	-69.984	.5
60	MP2B	Mx	-.004	.5
61	MP2B	X	40.405	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
62	MP2B	Z	-69.984	4.5
63	MP2B	Mx	-.004	4.5
64	MP2A	X	28.512	2
65	MP2A	Z	-49.385	2
66	MP2A	Mx	.014	2
67	MP2C	X	22.041	2
68	MP2C	Z	-38.177	2
69	MP2C	Mx	.021	2
70	MP3B	X	25.069	2
71	MP3B	Z	-43.421	2
72	MP3B	Mx	-.019	2
73	MP1A	X	28.011	2
74	MP1A	Z	-48.517	2
75	MP1A	Mx	.014	2
76	MP2B	X	23.893	2
77	MP2B	Z	-41.384	2
78	MP2B	Mx	-.018	2
79	M103	X	59.731	2
80	M103	Z	-103.456	2
81	M103	Mx	.015	2
82	MP1C2	X	7.404	4
83	MP1C2	Z	-12.825	4
84	MP1C2	Mx	-.003	4
85	MP1C2	X	7.404	4
86	MP1C2	Z	-12.825	4
87	MP1C2	Mx	.003	4
88	MP1C2	X	20.271	2
89	MP1C2	Z	-35.111	2
90	MP1C2	Mx	.019	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	34.587	2.5
2	MP3A	Z	-19.969	2.5
3	MP3A	Mx	-.017	2.5
4	MP3A	X	34.587	4
5	MP3A	Z	-19.969	4
6	MP3A	Mx	-.017	4
7	MP3C	X	49.613	2.5
8	MP3C	Z	-28.644	2.5
9	MP3C	Mx	-.018	2.5
10	MP3C	X	49.613	4
11	MP3C	Z	-28.644	4
12	MP3C	Mx	-.018	4
13	MP4B	X	24.779	2.5
14	MP4B	Z	-14.306	2.5
15	MP4B	Mx	.014	2.5
16	MP4B	X	24.779	4
17	MP4B	Z	-14.306	4
18	MP4B	Mx	.014	4
19	MP3A	X	12.269	7
20	MP3A	Z	-7.083	7
21	MP3A	Mx	-.006	7
22	MP3C	X	20.635	7
23	MP3C	Z	-11.914	7
24	MP3C	Mx	-.008	7
25	MP4B	X	6.808	7
26	MP4B	Z	-3.931	7



Company  
Designer  
Job Number  
Model Name

July 19, 2023  
9:53 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP4B	Mx	.004	7
28	MP1C	X	73.571	.5
29	MP1C	Z	-42.476	.5
30	MP1C	Mx	.016	.5
31	MP1C	X	73.571	4.5
32	MP1C	Z	-42.476	4.5
33	MP1C	Mx	.016	4.5
34	MP1C	X	73.571	.5
35	MP1C	Z	-42.476	.5
36	MP1C	Mx	-.071	.5
37	MP1C	X	73.571	4.5
38	MP1C	Z	-42.476	4.5
39	MP1C	Mx	-.071	4.5
40	MP2A	X	66.613	.5
41	MP2A	Z	-38.459	.5
42	MP2A	Mx	-.059	.5
43	MP2A	X	66.613	4.5
44	MP2A	Z	-38.459	4.5
45	MP2A	Mx	-.059	4.5
46	MP2B	X	62.072	.5
47	MP2B	Z	-35.837	.5
48	MP2B	Mx	.044	.5
49	MP2B	X	62.072	4.5
50	MP2B	Z	-35.837	4.5
51	MP2B	Mx	.044	4.5
52	MP2A	X	66.613	.5
53	MP2A	Z	-38.459	.5
54	MP2A	Mx	-.008	.5
55	MP2A	X	66.613	4.5
56	MP2A	Z	-38.459	4.5
57	MP2A	Mx	-.008	4.5
58	MP2B	X	62.072	.5
59	MP2B	Z	-35.837	.5
60	MP2B	Mx	.027	.5
61	MP2B	X	62.072	4.5
62	MP2B	Z	-35.837	4.5
63	MP2B	Mx	.027	4.5
64	MP2A	X	40.532	2
65	MP2A	Z	-23.401	2
66	MP2A	Mx	.02	2
67	MP2C	X	46.496	2
68	MP2C	Z	-26.844	2
69	MP2C	Mx	.017	2
70	MP3B	X	36.639	2
71	MP3B	Z	-21.154	2
72	MP3B	Mx	-.021	2
73	MP1A	X	37.928	2
74	MP1A	Z	-21.898	2
75	MP1A	Mx	.019	2
76	MP2B	X	33.272	2
77	MP2B	Z	-19.21	2
78	MP2B	Mx	-.019	2
79	M103	X	110.052	2
80	M103	Z	-63.539	2
81	M103	Mx	0	2
82	MP1C2	X	23.734	4
83	MP1C2	Z	-13.703	4
84	MP1C2	Mx	-.004	4
85	MP1C2	X	23.734	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft.%)
86	MP1C2	Z	-13.703	4
87	MP1C2	Mx	.004	4
88	MP1C2	X	45.061	2
89	MP1C2	Z	-26.016	2
90	MP1C2	Mx	.017	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft.%)
1	MP3A	X	27.059	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	-.014	2.5
4	MP3A	X	27.059	4
5	MP3A	Z	0	4
6	MP3A	Mx	-.014	4
7	MP3C	X	77.018	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	-.007	2.5
10	MP3C	X	77.018	4
11	MP3C	Z	0	4
12	MP3C	Mx	-.007	4
13	MP4B	X	33.085	2.5
14	MP4B	Z	0	2.5
15	MP4B	Mx	.016	2.5
16	MP4B	X	33.085	4
17	MP4B	Z	0	4
18	MP4B	Mx	.016	4
19	MP3A	X	6.997	7
20	MP3A	Z	0	7
21	MP3A	Mx	-.003	7
22	MP3C	X	34.813	7
23	MP3C	Z	0	7
24	MP3C	Mx	-.003	7
25	MP4B	X	10.352	7
26	MP4B	Z	0	7
27	MP4B	Mx	.005	7
28	MP1C	X	94.088	.5
29	MP1C	Z	0	.5
30	MP1C	Mx	.054	.5
31	MP1C	X	94.088	4.5
32	MP1C	Z	0	4.5
33	MP1C	Mx	.054	4.5
34	MP1C	X	94.088	.5
35	MP1C	Z	0	.5
36	MP1C	Mx	-.07	.5
37	MP1C	X	94.088	4.5
38	MP1C	Z	0	4.5
39	MP1C	Mx	-.07	4.5
40	MP2A	X	70.955	.5
41	MP2A	Z	0	.5
42	MP2A	Mx	-.035	.5
43	MP2A	X	70.955	4.5
44	MP2A	Z	0	4.5
45	MP2A	Mx	-.035	4.5
46	MP2B	X	73.745	.5
47	MP2B	Z	0	.5
48	MP2B	Mx	.018	.5
49	MP2B	X	73.745	4.5
50	MP2B	Z	0	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
51	MP2B	Mx	.018	4.5
52	MP2A	X	70.955	.5
53	MP2A	Z	0	.5
54	MP2A	Mx	-.035	.5
55	MP2A	X	70.955	4.5
56	MP2A	Z	0	4.5
57	MP2A	Mx	-.035	4.5
58	MP2B	X	73.745	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	.051	.5
61	MP2B	X	73.745	4.5
62	MP2B	Z	0	4.5
63	MP2B	Mx	.051	4.5
64	MP2A	X	41.691	2
65	MP2A	Z	0	2
66	MP2A	Mx	.021	2
67	MP2C	X	61.519	2
68	MP2C	Z	0	2
69	MP2C	Mx	.005	2
70	MP3B	X	44.083	2
71	MP3B	Z	0	2
72	MP3B	Mx	-.021	2
73	MP1A	X	37.682	2
74	MP1A	Z	0	2
75	MP1A	Mx	.019	2
76	MP2B	X	40.543	2
77	MP2B	Z	0	2
78	MP2B	Mx	-.019	2
79	M103	X	119.461	2
80	M103	Z	0	2
81	M103	Mx	-.015	2
82	MP1C2	X	37.676	4
83	MP1C2	Z	0	4
84	MP1C2	Mx	-.002	4
85	MP1C2	X	37.676	4
86	MP1C2	Z	0	4
87	MP1C2	Mx	.002	4
88	MP1C2	X	61.398	2
89	MP1C2	Z	0	2
90	MP1C2	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	34.587	2.5
2	MP3A	Z	19.969	2.5
3	MP3A	Mx	-.017	2.5
4	MP3A	X	34.587	4
5	MP3A	Z	19.969	4
6	MP3A	Mx	-.017	4
7	MP3C	X	62.827	2.5
8	MP3C	Z	36.273	2.5
9	MP3C	Mx	.012	2.5
10	MP3C	X	62.827	4
11	MP3C	Z	36.273	4
12	MP3C	Mx	.012	4
13	MP4B	X	49.613	2.5
14	MP4B	Z	28.644	2.5
15	MP4B	Mx	.018	2.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
16	MP4B	X	49.613	4
17	MP4B	Z	28.644	4
18	MP4B	Mx	.018	4
19	MP3A	X	12.269	7
20	MP3A	Z	7.083	7
21	MP3A	Mx	-.006	7
22	MP3C	X	27.992	7
23	MP3C	Z	16.161	7
24	MP3C	Mx	.006	7
25	MP4B	X	20.635	7
26	MP4B	Z	11.914	7
27	MP4B	Mx	.008	7
28	MP1C	X	79.689	.5
29	MP1C	Z	46.008	.5
30	MP1C	Mx	.073	.5
31	MP1C	X	79.689	4.5
32	MP1C	Z	46.008	4.5
33	MP1C	Mx	.073	4.5
34	MP1C	X	79.689	.5
35	MP1C	Z	46.008	.5
36	MP1C	Mx	-.042	.5
37	MP1C	X	79.689	4.5
38	MP1C	Z	46.008	4.5
39	MP1C	Mx	-.042	4.5
40	MP2A	X	66.613	.5
41	MP2A	Z	38.459	.5
42	MP2A	Mx	-.008	.5
43	MP2A	X	66.613	4.5
44	MP2A	Z	38.459	4.5
45	MP2A	Mx	-.008	4.5
46	MP2B	X	73.571	.5
47	MP2B	Z	42.476	.5
48	MP2B	Mx	-.016	.5
49	MP2B	X	73.571	4.5
50	MP2B	Z	42.476	4.5
51	MP2B	Mx	-.016	4.5
52	MP2A	X	66.613	.5
53	MP2A	Z	38.459	.5
54	MP2A	Mx	-.059	.5
55	MP2A	X	66.613	4.5
56	MP2A	Z	38.459	4.5
57	MP2A	Mx	-.059	4.5
58	MP2B	X	73.571	.5
59	MP2B	Z	42.476	.5
60	MP2B	Mx	.071	.5
61	MP2B	X	73.571	4.5
62	MP2B	Z	42.476	4.5
63	MP2B	Mx	.071	4.5
64	MP2A	X	40.532	2
65	MP2A	Z	23.401	2
66	MP2A	Mx	.02	2
67	MP2C	X	51.74	2
68	MP2C	Z	29.872	2
69	MP2C	Mx	-.01	2
70	MP3B	X	46.496	2
71	MP3B	Z	26.844	2
72	MP3B	Mx	-.017	2
73	MP1A	X	37.928	2
74	MP1A	Z	21.898	2



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
75	MP1A	Mx	.019	2
76	MP2B	X	45.061	2
77	MP2B	Z	26.016	2
78	MP2B	Mx	-.017	2
79	M103	X	90.264	2
80	M103	Z	52.114	2
81	M103	Mx	-.023	2
82	MP1C2	X	30.612	4
83	MP1C2	Z	17.674	4
84	MP1C2	Mx	.003	4
85	MP1C2	X	30.612	4
86	MP1C2	Z	17.674	4
87	MP1C2	Mx	-.003	4
88	MP1C2	X	51.334	2
89	MP1C2	Z	29.638	2
90	MP1C2	Mx	-.01	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	32.847	2.5
2	MP3A	Z	56.892	2.5
3	MP3A	Mx	-.016	2.5
4	MP3A	X	32.847	4
5	MP3A	Z	56.892	4
6	MP3A	Mx	-.016	4
7	MP3C	X	24.171	2.5
8	MP3C	Z	41.866	2.5
9	MP3C	Mx	.019	2.5
10	MP3C	X	24.171	4
11	MP3C	Z	41.866	4
12	MP3C	Mx	.019	4
13	MP4B	X	38.509	2.5
14	MP4B	Z	66.7	2.5
15	MP4B	Mx	.007	2.5
16	MP4B	X	38.509	4
17	MP4B	Z	66.7	4
18	MP4B	Mx	.007	4
19	MP3A	X	14.254	7
20	MP3A	Z	24.688	7
21	MP3A	Mx	-.007	7
22	MP3C	X	9.424	7
23	MP3C	Z	16.322	7
24	MP3C	Mx	.007	7
25	MP4B	X	17.407	7
26	MP4B	Z	30.149	7
27	MP4B	Mx	.003	7
28	MP1C	X	40.405	.5
29	MP1C	Z	69.984	.5
30	MP1C	Mx	.066	.5
31	MP1C	X	40.405	4.5
32	MP1C	Z	69.984	4.5
33	MP1C	Mx	.066	4.5
34	MP1C	X	40.405	.5
35	MP1C	Z	69.984	.5
36	MP1C	Mx	-.004	.5
37	MP1C	X	40.405	4.5
38	MP1C	Z	69.984	4.5
39	MP1C	Mx	-.004	4.5



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

	Member Label	Direction	Magnitude [lb.k-ft]	Location [ft. %]
40	MP2A	X	44.422	.5
41	MP2A	Z	76.941	.5
42	MP2A	Mx	.029	.5
43	MP2A	X	44.422	4.5
44	MP2A	Z	76.941	4.5
45	MP2A	Mx	.029	4.5
46	MP2B	X	47.044	.5
47	MP2B	Z	81.483	.5
48	MP2B	Mx	-.054	.5
49	MP2B	X	47.044	4.5
50	MP2B	Z	81.483	4.5
51	MP2B	Mx	-.054	4.5
52	MP2A	X	44.422	.5
53	MP2A	Z	76.941	.5
54	MP2A	Mx	-.074	.5
55	MP2A	X	44.422	4.5
56	MP2A	Z	76.941	4.5
57	MP2A	Mx	-.074	4.5
58	MP2B	X	47.044	.5
59	MP2B	Z	81.483	.5
60	MP2B	Mx	.07	.5
61	MP2B	X	47.044	4.5
62	MP2B	Z	81.483	4.5
63	MP2B	Mx	.07	4.5
64	MP2A	X	28.512	2
65	MP2A	Z	49.385	2
66	MP2A	Mx	.014	2
67	MP2C	X	25.069	2
68	MP2C	Z	43.421	2
69	MP2C	Mx	-.019	2
70	MP3B	X	30.76	2
71	MP3B	Z	53.277	2
72	MP3B	Mx	-.005	2
73	MP1A	X	28.011	2
74	MP1A	Z	48.517	2
75	MP1A	Mx	.014	2
76	MP2B	X	30.699	2
77	MP2B	Z	53.173	2
78	MP2B	Mx	-.005	2
79	M103	X	48.306	2
80	M103	Z	83.668	2
81	M103	Mx	-.024	2
82	MP1C2	X	11.375	4
83	MP1C2	Z	19.702	4
84	MP1C2	Mx	.004	4
85	MP1C2	X	11.375	4
86	MP1C2	Z	19.702	4
87	MP1C2	Mx	-.004	4
88	MP1C2	X	23.893	2
89	MP1C2	Z	41.384	2
90	MP1C2	Mx	-.018	2

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

	Member Label	Direction	Magnitude [lb.k-ft]	Location [ft. %]
1	MP3A	X	0	2.5
2	MP3A	Z	78.572	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4



Company  
Designer  
Job Number  
Model Name

July 19, 2023  
9:53 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
5	MP3A	Z	78.572	4
6	MP3A	Mx	0	4
7	MP3C	X	0	2.5
8	MP3C	Z	28.612	2.5
9	MP3C	Mx	.014	2.5
10	MP3C	X	0	4
11	MP3C	Z	28.612	4
12	MP3C	Mx	.014	4
13	MP4B	X	0	2.5
14	MP4B	Z	72.546	2.5
15	MP4B	Mx	-.012	2.5
16	MP4B	X	0	4
17	MP4B	Z	72.546	4
18	MP4B	Mx	-.012	4
19	MP3A	X	0	7
20	MP3A	Z	35.678	7
21	MP3A	Mx	0	7
22	MP3C	X	0	7
23	MP3C	Z	7.862	7
24	MP3C	Mx	.004	7
25	MP4B	X	0	7
26	MP4B	Z	32.323	7
27	MP4B	Mx	-.006	7
28	MP1C	X	0	.5
29	MP1C	Z	71.674	.5
30	MP1C	Mx	.044	.5
31	MP1C	X	0	4.5
32	MP1C	Z	71.674	4.5
33	MP1C	Mx	.044	4.5
34	MP1C	X	0	.5
35	MP1C	Z	71.674	.5
36	MP1C	Mx	.027	.5
37	MP1C	X	0	4.5
38	MP1C	Z	71.674	4.5
39	MP1C	Mx	.027	4.5
40	MP2A	X	0	.5
41	MP2A	Z	94.807	.5
42	MP2A	Mx	.063	.5
43	MP2A	X	0	4.5
44	MP2A	Z	94.807	4.5
45	MP2A	Mx	.063	4.5
46	MP2B	X	0	.5
47	MP2B	Z	92.017	.5
48	MP2B	Mx	-.073	.5
49	MP2B	X	0	4.5
50	MP2B	Z	92.017	4.5
51	MP2B	Mx	-.073	4.5
52	MP2A	X	0	.5
53	MP2A	Z	94.807	.5
54	MP2A	Mx	-.063	.5
55	MP2A	X	0	4.5
56	MP2A	Z	94.807	4.5
57	MP2A	Mx	-.063	4.5
58	MP2B	X	0	.5
59	MP2B	Z	92.017	.5
60	MP2B	Mx	.042	.5
61	MP2B	X	0	4.5
62	MP2B	Z	92.017	4.5
63	MP2B	Mx	.042	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
64	MP2A	X	0	2
65	MP2A	Z	62.136	2
66	MP2A	Mx	0	2
67	MP2C	X	0	2
68	MP2C	Z	42.308	2
69	MP2C	Mx	-.021	2
70	MP3B	X	0	2
71	MP3B	Z	59.744	2
72	MP3B	Mx	.01	2
73	MP1A	X	0	2
74	MP1A	Z	62.136	2
75	MP1A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	59.275	2
78	MP2B	Mx	.01	2
79	M103	X	0	2
80	M103	Z	104.228	2
81	M103	Mx	-.023	2
82	MP1C2	X	0	4
83	MP1C2	Z	12.481	4
84	MP1C2	Mx	.003	4
85	MP1C2	X	0	4
86	MP1C2	Z	12.481	4
87	MP1C2	Mx	-.003	4
88	MP1C2	X	0	2
89	MP1C2	Z	38.42	2
90	MP1C2	Mx	-.019	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-32.847	2.5
2	MP3A	Z	56.892	2.5
3	MP3A	Mx	.016	2.5
4	MP3A	X	-32.847	4
5	MP3A	Z	56.892	4
6	MP3A	Mx	.016	4
7	MP3C	X	-16.542	2.5
8	MP3C	Z	28.652	2.5
9	MP3C	Mx	.016	2.5
10	MP3C	X	-16.542	4
11	MP3C	Z	28.652	4
12	MP3C	Mx	.016	4
13	MP4B	X	-24.171	2.5
14	MP4B	Z	41.866	2.5
15	MP4B	Mx	-.019	2.5
16	MP4B	X	-24.171	4
17	MP4B	Z	41.866	4
18	MP4B	Mx	-.019	4
19	MP3A	X	-14.254	7
20	MP3A	Z	24.688	7
21	MP3A	Mx	.007	7
22	MP3C	X	-5.176	7
23	MP3C	Z	8.965	7
24	MP3C	Mx	.005	7
25	MP4B	X	-9.424	7
26	MP4B	Z	16.322	7
27	MP4B	Mx	-.007	7
28	MP1C	X	-36.873	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP1C	Z	63.865	.5
30	MP1C	Mx	.018	.5
31	MP1C	X	-36.873	4.5
32	MP1C	Z	63.865	4.5
33	MP1C	Mx	.018	4.5
34	MP1C	X	-36.873	.5
35	MP1C	Z	63.865	.5
36	MP1C	Mx	.051	.5
37	MP1C	X	-36.873	4.5
38	MP1C	Z	63.865	4.5
39	MP1C	Mx	.051	4.5
40	MP2A	X	-44.422	.5
41	MP2A	Z	76.941	.5
42	MP2A	Mx	.074	.5
43	MP2A	X	-44.422	4.5
44	MP2A	Z	76.941	4.5
45	MP2A	Mx	.074	4.5
46	MP2B	X	-40.405	.5
47	MP2B	Z	69.984	.5
48	MP2B	Mx	-.066	.5
49	MP2B	X	-40.405	4.5
50	MP2B	Z	69.984	4.5
51	MP2B	Mx	-.066	4.5
52	MP2A	X	-44.422	.5
53	MP2A	Z	76.941	.5
54	MP2A	Mx	-.029	.5
55	MP2A	X	-44.422	4.5
56	MP2A	Z	76.941	4.5
57	MP2A	Mx	-.029	4.5
58	MP2B	X	-40.405	.5
59	MP2B	Z	69.984	.5
60	MP2B	Mx	.004	.5
61	MP2B	X	-40.405	4.5
62	MP2B	Z	69.984	4.5
63	MP2B	Mx	.004	4.5
64	MP2A	X	-28.512	2
65	MP2A	Z	49.385	2
66	MP2A	Mx	-.014	2
67	MP2C	X	-22.041	2
68	MP2C	Z	38.177	2
69	MP2C	Mx	-.021	2
70	MP3B	X	-25.069	2
71	MP3B	Z	43.421	2
72	MP3B	Mx	.019	2
73	MP1A	X	-28.011	2
74	MP1A	Z	48.517	2
75	MP1A	Mx	-.014	2
76	MP2B	X	-23.893	2
77	MP2B	Z	41.384	2
78	MP2B	Mx	.018	2
79	M103	X	-59.731	2
80	M103	Z	103.456	2
81	M103	Mx	-.015	2
82	MP1C2	X	-7.404	4
83	MP1C2	Z	12.825	4
84	MP1C2	Mx	.003	4
85	MP1C2	X	-7.404	4
86	MP1C2	Z	12.825	4
87	MP1C2	Mx	-.003	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
88	MP1C2	X	-20.271	2
89	MP1C2	Z	35.111	2
90	MP1C2	Mx	-.019	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-34.587	2.5
2	MP3A	Z	19.969	2.5
3	MP3A	Mx	.017	2.5
4	MP3A	X	-34.587	4
5	MP3A	Z	19.969	4
6	MP3A	Mx	.017	4
7	MP3C	X	-49.613	2.5
8	MP3C	Z	28.644	2.5
9	MP3C	Mx	.018	2.5
10	MP3C	X	-49.613	4
11	MP3C	Z	28.644	4
12	MP3C	Mx	.018	4
13	MP4B	X	-24.779	2.5
14	MP4B	Z	14.306	2.5
15	MP4B	Mx	-.014	2.5
16	MP4B	X	-24.779	4
17	MP4B	Z	14.306	4
18	MP4B	Mx	-.014	4
19	MP3A	X	-12.269	7
20	MP3A	Z	7.083	7
21	MP3A	Mx	.006	7
22	MP3C	X	-20.635	7
23	MP3C	Z	11.914	7
24	MP3C	Mx	.008	7
25	MP4B	X	-6.808	7
26	MP4B	Z	3.931	7
27	MP4B	Mx	-.004	7
28	MP1C	X	-73.571	.5
29	MP1C	Z	42.476	.5
30	MP1C	Mx	-.016	.5
31	MP1C	X	-73.571	4.5
32	MP1C	Z	42.476	4.5
33	MP1C	Mx	-.016	4.5
34	MP1C	X	-73.571	.5
35	MP1C	Z	42.476	.5
36	MP1C	Mx	.071	.5
37	MP1C	X	-73.571	4.5
38	MP1C	Z	42.476	4.5
39	MP1C	Mx	.071	4.5
40	MP2A	X	-66.613	.5
41	MP2A	Z	38.459	.5
42	MP2A	Mx	.059	.5
43	MP2A	X	-66.613	4.5
44	MP2A	Z	38.459	4.5
45	MP2A	Mx	.059	4.5
46	MP2B	X	-62.072	.5
47	MP2B	Z	35.837	.5
48	MP2B	Mx	-.044	.5
49	MP2B	X	-62.072	4.5
50	MP2B	Z	35.837	4.5
51	MP2B	Mx	-.044	4.5
52	MP2A	X	-66.613	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
53	MP2A	Z	38.459	.5
54	MP2A	Mx	.008	.5
55	MP2A	X	-66.613	4.5
56	MP2A	Z	38.459	4.5
57	MP2A	Mx	.008	4.5
58	MP2B	X	-62.072	.5
59	MP2B	Z	35.837	.5
60	MP2B	Mx	-.027	.5
61	MP2B	X	-62.072	4.5
62	MP2B	Z	35.837	4.5
63	MP2B	Mx	-.027	4.5
64	MP2A	X	-40.532	2
65	MP2A	Z	23.401	2
66	MP2A	Mx	-.02	2
67	MP2C	X	-46.496	2
68	MP2C	Z	26.844	2
69	MP2C	Mx	-.017	2
70	MP3B	X	-36.639	2
71	MP3B	Z	21.154	2
72	MP3B	Mx	.021	2
73	MP1A	X	-37.928	2
74	MP1A	Z	21.898	2
75	MP1A	Mx	-.019	2
76	MP2B	X	-33.272	2
77	MP2B	Z	19.21	2
78	MP2B	Mx	.019	2
79	M103	X	-110.052	2
80	M103	Z	63.539	2
81	M103	Mx	0	2
82	MP1C2	X	-23.734	4
83	MP1C2	Z	13.703	4
84	MP1C2	Mx	.004	4
85	MP1C2	X	-23.734	4
86	MP1C2	Z	13.703	4
87	MP1C2	Mx	-.004	4
88	MP1C2	X	-45.061	2
89	MP1C2	Z	26.016	2
90	MP1C2	Mx	-.017	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-27.059	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	.014	2.5
4	MP3A	X	-27.059	4
5	MP3A	Z	0	4
6	MP3A	Mx	.014	4
7	MP3C	X	-77.018	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	.007	2.5
10	MP3C	X	-77.018	4
11	MP3C	Z	0	4
12	MP3C	Mx	.007	4
13	MP4B	X	-33.085	2.5
14	MP4B	Z	0	2.5
15	MP4B	Mx	-.016	2.5
16	MP4B	X	-33.085	4
17	MP4B	Z	0	4

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
18	MP4B	Mx	-.016	4
19	MP3A	X	-6.997	7
20	MP3A	Z	0	7
21	MP3A	Mx	.003	7
22	MP3C	X	-34.813	7
23	MP3C	Z	0	7
24	MP3C	Mx	.003	7
25	MP4B	X	-10.352	7
26	MP4B	Z	0	7
27	MP4B	Mx	-.005	7
28	MP1C	X	-94.088	.5
29	MP1C	Z	0	.5
30	MP1C	Mx	-.054	.5
31	MP1C	X	-94.088	4.5
32	MP1C	Z	0	4.5
33	MP1C	Mx	-.054	4.5
34	MP1C	X	-94.088	.5
35	MP1C	Z	0	.5
36	MP1C	Mx	.07	.5
37	MP1C	X	-94.088	4.5
38	MP1C	Z	0	4.5
39	MP1C	Mx	.07	4.5
40	MP2A	X	-70.955	.5
41	MP2A	Z	0	.5
42	MP2A	Mx	.035	.5
43	MP2A	X	-70.955	4.5
44	MP2A	Z	0	4.5
45	MP2A	Mx	.035	4.5
46	MP2B	X	-73.745	.5
47	MP2B	Z	0	.5
48	MP2B	Mx	-.018	.5
49	MP2B	X	-73.745	4.5
50	MP2B	Z	0	4.5
51	MP2B	Mx	-.018	4.5
52	MP2A	X	-70.955	.5
53	MP2A	Z	0	.5
54	MP2A	Mx	.035	.5
55	MP2A	X	-70.955	4.5
56	MP2A	Z	0	4.5
57	MP2A	Mx	.035	4.5
58	MP2B	X	-73.745	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	-.051	.5
61	MP2B	X	-73.745	4.5
62	MP2B	Z	0	4.5
63	MP2B	Mx	-.051	4.5
64	MP2A	X	-41.691	2
65	MP2A	Z	0	2
66	MP2A	Mx	-.021	2
67	MP2C	X	-61.519	2
68	MP2C	Z	0	2
69	MP2C	Mx	-.005	2
70	MP3B	X	-44.083	2
71	MP3B	Z	0	2
72	MP3B	Mx	.021	2
73	MP1A	X	-37.682	2
74	MP1A	Z	0	2
75	MP1A	Mx	-.019	2
76	MP2B	X	-40.543	2



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
77	MP2B	Z	0	2
78	MP2B	Mx	.019	2
79	M103	X	-119.461	2
80	M103	Z	0	2
81	M103	Mx	.015	2
82	MP1C2	X	-37.676	4
83	MP1C2	Z	0	4
84	MP1C2	Mx	.002	4
85	MP1C2	X	-37.676	4
86	MP1C2	Z	0	4
87	MP1C2	Mx	-.002	4
88	MP1C2	X	-61.398	2
89	MP1C2	Z	0	2
90	MP1C2	Mx	-.005	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-34.587	2.5
2	MP3A	Z	-19.969	2.5
3	MP3A	Mx	.017	2.5
4	MP3A	X	-34.587	4
5	MP3A	Z	-19.969	4
6	MP3A	Mx	.017	4
7	MP3C	X	-62.827	2.5
8	MP3C	Z	-36.273	2.5
9	MP3C	Mx	-.012	2.5
10	MP3C	X	-62.827	4
11	MP3C	Z	-36.273	4
12	MP3C	Mx	-.012	4
13	MP4B	X	-49.613	2.5
14	MP4B	Z	-28.644	2.5
15	MP4B	Mx	-.018	2.5
16	MP4B	X	-49.613	4
17	MP4B	Z	-28.644	4
18	MP4B	Mx	-.018	4
19	MP3A	X	-12.269	7
20	MP3A	Z	-7.083	7
21	MP3A	Mx	.006	7
22	MP3C	X	-27.992	7
23	MP3C	Z	-16.161	7
24	MP3C	Mx	-.006	7
25	MP4B	X	-20.635	7
26	MP4B	Z	-11.914	7
27	MP4B	Mx	-.008	7
28	MP1C	X	-79.689	.5
29	MP1C	Z	-46.008	.5
30	MP1C	Mx	-.073	.5
31	MP1C	X	-79.689	4.5
32	MP1C	Z	-46.008	4.5
33	MP1C	Mx	-.073	4.5
34	MP1C	X	-79.689	.5
35	MP1C	Z	-46.008	.5
36	MP1C	Mx	.042	.5
37	MP1C	X	-79.689	4.5
38	MP1C	Z	-46.008	4.5
39	MP1C	Mx	.042	4.5
40	MP2A	X	-66.613	.5
41	MP2A	Z	-38.459	.5





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
42	MP2A	Mx	.008	.5
43	MP2A	X	-66.613	4.5
44	MP2A	Z	-38.459	4.5
45	MP2A	Mx	.008	4.5
46	MP2B	X	-73.571	.5
47	MP2B	Z	-42.476	.5
48	MP2B	Mx	.016	.5
49	MP2B	X	-73.571	4.5
50	MP2B	Z	-42.476	4.5
51	MP2B	Mx	.016	4.5
52	MP2A	X	-66.613	.5
53	MP2A	Z	-38.459	.5
54	MP2A	Mx	.059	.5
55	MP2A	X	-66.613	4.5
56	MP2A	Z	-38.459	4.5
57	MP2A	Mx	.059	4.5
58	MP2B	X	-73.571	.5
59	MP2B	Z	-42.476	.5
60	MP2B	Mx	-.071	.5
61	MP2B	X	-73.571	4.5
62	MP2B	Z	-42.476	4.5
63	MP2B	Mx	-.071	4.5
64	MP2A	X	-40.532	2
65	MP2A	Z	-23.401	2
66	MP2A	Mx	-.02	2
67	MP2C	X	-51.74	2
68	MP2C	Z	-29.872	2
69	MP2C	Mx	.01	2
70	MP3B	X	-46.496	2
71	MP3B	Z	-26.844	2
72	MP3B	Mx	.017	2
73	MP1A	X	-37.928	2
74	MP1A	Z	-21.898	2
75	MP1A	Mx	-.019	2
76	MP2B	X	-45.061	2
77	MP2B	Z	-26.016	2
78	MP2B	Mx	.017	2
79	M103	X	-90.264	2
80	M103	Z	-52.114	2
81	M103	Mx	.023	2
82	MP1C2	X	-30.612	4
83	MP1C2	Z	-17.674	4
84	MP1C2	Mx	-.003	4
85	MP1C2	X	-30.612	4
86	MP1C2	Z	-17.674	4
87	MP1C2	Mx	.003	4
88	MP1C2	X	-51.334	2
89	MP1C2	Z	-29.638	2
90	MP1C2	Mx	.01	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-32.847	2.5
2	MP3A	Z	-56.892	2.5
3	MP3A	Mx	.016	2.5
4	MP3A	X	-32.847	4
5	MP3A	Z	-56.892	4
6	MP3A	Mx	.016	4



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
7	MP3C	X	-24.171	2.5
8	MP3C	Z	-41.866	2.5
9	MP3C	Mx	-.019	2.5
10	MP3C	X	-24.171	4
11	MP3C	Z	-41.866	4
12	MP3C	Mx	-.019	4
13	MP4B	X	-38.509	2.5
14	MP4B	Z	-66.7	2.5
15	MP4B	Mx	-.007	2.5
16	MP4B	X	-38.509	4
17	MP4B	Z	-66.7	4
18	MP4B	Mx	-.007	4
19	MP3A	X	-14.254	7
20	MP3A	Z	-24.688	7
21	MP3A	Mx	.007	7
22	MP3C	X	-9.424	7
23	MP3C	Z	-16.322	7
24	MP3C	Mx	-.007	7
25	MP4B	X	-17.407	7
26	MP4B	Z	-30.149	7
27	MP4B	Mx	-.003	7
28	MP1C	X	-40.405	.5
29	MP1C	Z	-69.984	.5
30	MP1C	Mx	-.066	.5
31	MP1C	X	-40.405	4.5
32	MP1C	Z	-69.984	4.5
33	MP1C	Mx	-.066	4.5
34	MP1C	X	-40.405	.5
35	MP1C	Z	-69.984	.5
36	MP1C	Mx	.004	.5
37	MP1C	X	-40.405	4.5
38	MP1C	Z	-69.984	4.5
39	MP1C	Mx	.004	4.5
40	MP2A	X	-44.422	.5
41	MP2A	Z	-76.941	.5
42	MP2A	Mx	-.029	.5
43	MP2A	X	-44.422	4.5
44	MP2A	Z	-76.941	4.5
45	MP2A	Mx	-.029	4.5
46	MP2B	X	-47.044	.5
47	MP2B	Z	-81.483	.5
48	MP2B	Mx	.054	.5
49	MP2B	X	-47.044	4.5
50	MP2B	Z	-81.483	4.5
51	MP2B	Mx	.054	4.5
52	MP2A	X	-44.422	.5
53	MP2A	Z	-76.941	.5
54	MP2A	Mx	.074	.5
55	MP2A	X	-44.422	4.5
56	MP2A	Z	-76.941	4.5
57	MP2A	Mx	.074	4.5
58	MP2B	X	-47.044	.5
59	MP2B	Z	-81.483	.5
60	MP2B	Mx	-.07	.5
61	MP2B	X	-47.044	4.5
62	MP2B	Z	-81.483	4.5
63	MP2B	Mx	-.07	4.5
64	MP2A	X	-28.512	2
65	MP2A	Z	-49.385	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
66	MP2A	Mx	-.014	2
67	MP2C	X	-25.069	2
68	MP2C	Z	-43.421	2
69	MP2C	Mx	.019	2
70	MP3B	X	-30.76	2
71	MP3B	Z	-53.277	2
72	MP3B	Mx	.005	2
73	MP1A	X	-28.011	2
74	MP1A	Z	-48.517	2
75	MP1A	Mx	-.014	2
76	MP2B	X	-30.699	2
77	MP2B	Z	-53.173	2
78	MP2B	Mx	.005	2
79	M103	X	-48.306	2
80	M103	Z	-83.668	2
81	M103	Mx	.024	2
82	MP1C2	X	-11.375	4
83	MP1C2	Z	-19.702	4
84	MP1C2	Mx	-.004	4
85	MP1C2	X	-11.375	4
86	MP1C2	Z	-19.702	4
87	MP1C2	Mx	.004	4
88	MP1C2	X	-23.893	2
89	MP1C2	Z	-41.384	2
90	MP1C2	Mx	.018	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	2.5
2	MP3A	Z	-15.744	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4
5	MP3A	Z	-15.744	4
6	MP3A	Mx	0	4
7	MP3C	X	0	2.5
8	MP3C	Z	-6.979	2.5
9	MP3C	Mx	-.003	2.5
10	MP3C	X	0	4
11	MP3C	Z	-6.979	4
12	MP3C	Mx	-.003	4
13	MP4B	X	0	2.5
14	MP4B	Z	-14.687	2.5
15	MP4B	Mx	.003	2.5
16	MP4B	X	0	4
17	MP4B	Z	-14.687	4
18	MP4B	Mx	.003	4
19	MP3A	X	0	7
20	MP3A	Z	-6.84	7
21	MP3A	Mx	0	7
22	MP3C	X	0	7
23	MP3C	Z	-2.156	7
24	MP3C	Mx	-.001	7
25	MP4B	X	0	7
26	MP4B	Z	-6.275	7
27	MP4B	Mx	.001	7
28	MP1C	X	0	.5
29	MP1C	Z	-24.377	.5
30	MP1C	Mx	-.015	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
31	MP1C	X	0	4.5
32	MP1C	Z	-24.377	4.5
33	MP1C	Mx	-.015	4.5
34	MP1C	X	0	.5
35	MP1C	Z	-24.377	.5
36	MP1C	Mx	-.009	.5
37	MP1C	X	0	4.5
38	MP1C	Z	-24.377	4.5
39	MP1C	Mx	-.009	4.5
40	MP2A	X	0	.5
41	MP2A	Z	-31.914	.5
42	MP2A	Mx	-.021	.5
43	MP2A	X	0	4.5
44	MP2A	Z	-31.914	4.5
45	MP2A	Mx	-.021	4.5
46	MP2B	X	0	.5
47	MP2B	Z	-31.005	.5
48	MP2B	Mx	.025	.5
49	MP2B	X	0	4.5
50	MP2B	Z	-31.005	4.5
51	MP2B	Mx	.025	4.5
52	MP2A	X	0	.5
53	MP2A	Z	-31.914	.5
54	MP2A	Mx	.021	.5
55	MP2A	X	0	4.5
56	MP2A	Z	-31.914	4.5
57	MP2A	Mx	.021	4.5
58	MP2B	X	0	.5
59	MP2B	Z	-31.005	.5
60	MP2B	Mx	-.014	.5
61	MP2B	X	0	4.5
62	MP2B	Z	-31.005	4.5
63	MP2B	Mx	-.014	4.5
64	MP2A	X	0	2
65	MP2A	Z	-13.27	2
66	MP2A	Mx	0	2
67	MP2C	X	0	2
68	MP2C	Z	-9.352	2
69	MP2C	Mx	.005	2
70	MP3B	X	0	2
71	MP3B	Z	-12.797	2
72	MP3B	Mx	-.002	2
73	MP1A	X	0	2
74	MP1A	Z	-13.27	2
75	MP1A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	-12.712	2
78	MP2B	Mx	-.002	2
79	M103	X	0	2
80	M103	Z	-22.811	2
81	M103	Mx	.005	2
82	MP1C2	X	0	4
83	MP1C2	Z	-2.886	4
84	MP1C2	Mx	-.000711	4
85	MP1C2	X	0	4
86	MP1C2	Z	-2.886	4
87	MP1C2	Mx	.000711	4
88	MP1C2	X	0	2
89	MP1C2	Z	-8.647	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
90	MP1C2	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	6.742	2.5
2	MP3A	Z	-11.678	2.5
3	MP3A	Mx	-.003	2.5
4	MP3A	X	6.742	4
5	MP3A	Z	-11.678	4
6	MP3A	Mx	-.003	4
7	MP3C	X	3.882	2.5
8	MP3C	Z	-6.724	2.5
9	MP3C	Mx	-.004	2.5
10	MP3C	X	3.882	4
11	MP3C	Z	-6.724	4
12	MP3C	Mx	-.004	4
13	MP4B	X	5.22	2.5
14	MP4B	Z	-9.042	2.5
15	MP4B	Mx	.004	2.5
16	MP4B	X	5.22	4
17	MP4B	Z	-9.042	4
18	MP4B	Mx	.004	4
19	MP3A	X	2.816	7
20	MP3A	Z	-4.878	7
21	MP3A	Mx	-.001	7
22	MP3C	X	1.288	7
23	MP3C	Z	-2.231	7
24	MP3C	Mx	-.001	7
25	MP4B	X	2.003	7
26	MP4B	Z	-3.469	7
27	MP4B	Mx	.002	7
28	MP1C	X	12.526	.5
29	MP1C	Z	-21.696	.5
30	MP1C	Mx	-.006	.5
31	MP1C	X	12.526	4.5
32	MP1C	Z	-21.696	4.5
33	MP1C	Mx	-.006	4.5
34	MP1C	X	12.526	.5
35	MP1C	Z	-21.696	.5
36	MP1C	Mx	-.017	.5
37	MP1C	X	12.526	4.5
38	MP1C	Z	-21.696	4.5
39	MP1C	Mx	-.017	4.5
40	MP2A	X	14.986	.5
41	MP2A	Z	-25.956	.5
42	MP2A	Mx	-.025	.5
43	MP2A	X	14.986	4.5
44	MP2A	Z	-25.956	4.5
45	MP2A	Mx	-.025	4.5
46	MP2B	X	13.677	.5
47	MP2B	Z	-23.689	.5
48	MP2B	Mx	.022	.5
49	MP2B	X	13.677	4.5
50	MP2B	Z	-23.689	4.5
51	MP2B	Mx	.022	4.5
52	MP2A	X	14.986	.5
53	MP2A	Z	-25.956	.5
54	MP2A	Mx	.01	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
55	MP2A	X	14.986	4.5
56	MP2A	Z	-25.956	4.5
57	MP2A	Mx	.01	4.5
58	MP2B	X	13.677	.5
59	MP2B	Z	-23.689	.5
60	MP2B	Mx	-.001	.5
61	MP2B	X	13.677	4.5
62	MP2B	Z	-23.689	4.5
63	MP2B	Mx	-.001	4.5
64	MP2A	X	6.13	2
65	MP2A	Z	-10.617	2
66	MP2A	Mx	.003	2
67	MP2C	X	4.852	2
68	MP2C	Z	-8.403	2
69	MP2C	Mx	.005	2
70	MP3B	X	5.45	2
71	MP3B	Z	-9.439	2
72	MP3B	Mx	-.004	2
73	MP1A	X	6.039	2
74	MP1A	Z	-10.46	2
75	MP1A	Mx	.003	2
76	MP2B	X	5.236	2
77	MP2B	Z	-9.07	2
78	MP2B	Mx	-.004	2
79	M103	X	12.892	2
80	M103	Z	-22.329	2
81	M103	Mx	.003	2
82	MP1C2	X	1.64	4
83	MP1C2	Z	-2.841	4
84	MP1C2	Mx	-.000771	4
85	MP1C2	X	1.64	4
86	MP1C2	Z	-2.841	4
87	MP1C2	Mx	.000771	4
88	MP1C2	X	4.531	2
89	MP1C2	Z	-7.847	2
90	MP1C2	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	7.765	2.5
2	MP3A	Z	-4.483	2.5
3	MP3A	Mx	-.004	2.5
4	MP3A	X	7.765	4
5	MP3A	Z	-4.483	4
6	MP3A	Mx	-.004	4
7	MP3C	X	10.401	2.5
8	MP3C	Z	-6.005	2.5
9	MP3C	Mx	-.004	2.5
10	MP3C	X	10.401	4
11	MP3C	Z	-6.005	4
12	MP3C	Mx	-.004	4
13	MP4B	X	6.044	2.5
14	MP4B	Z	-3.49	2.5
15	MP4B	Mx	.003	2.5
16	MP4B	X	6.044	4
17	MP4B	Z	-3.49	4
18	MP4B	Mx	.003	4
19	MP3A	X	2.787	7



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
20	MP3A	Z	-1.609	7
21	MP3A	Mx	-.001	7
22	MP3C	X	4.196	7
23	MP3C	Z	-2.422	7
24	MP3C	Mx	-.002	7
25	MP4B	X	1.867	7
26	MP4B	Z	-1.078	7
27	MP4B	Mx	.001	7
28	MP1C	X	24.858	.5
29	MP1C	Z	-14.352	.5
30	MP1C	Mx	.005	.5
31	MP1C	X	24.858	4.5
32	MP1C	Z	-14.352	4.5
33	MP1C	Mx	.005	4.5
34	MP1C	X	24.858	.5
35	MP1C	Z	-14.352	.5
36	MP1C	Mx	-.024	.5
37	MP1C	X	24.858	4.5
38	MP1C	Z	-14.352	4.5
39	MP1C	Mx	-.024	4.5
40	MP2A	X	22.591	.5
41	MP2A	Z	-13.043	.5
42	MP2A	Mx	-.02	.5
43	MP2A	X	22.591	4.5
44	MP2A	Z	-13.043	4.5
45	MP2A	Mx	-.02	4.5
46	MP2B	X	21.112	.5
47	MP2B	Z	-12.189	.5
48	MP2B	Mx	.015	.5
49	MP2B	X	21.112	4.5
50	MP2B	Z	-12.189	4.5
51	MP2B	Mx	.015	4.5
52	MP2A	X	22.591	.5
53	MP2A	Z	-13.043	.5
54	MP2A	Mx	-.003	.5
55	MP2A	X	22.591	4.5
56	MP2A	Z	-13.043	4.5
57	MP2A	Mx	-.003	4.5
58	MP2B	X	21.112	.5
59	MP2B	Z	-12.189	.5
60	MP2B	Mx	.009	.5
61	MP2B	X	21.112	4.5
62	MP2B	Z	-12.189	4.5
63	MP2B	Mx	.009	4.5
64	MP2A	X	8.868	2
65	MP2A	Z	-5.12	2
66	MP2A	Mx	.004	2
67	MP2C	X	10.047	2
68	MP2C	Z	-5.8	2
69	MP2C	Mx	.004	2
70	MP3B	X	8.099	2
71	MP3B	Z	-4.676	2
72	MP3B	Mx	-.005	2
73	MP1A	X	8.396	2
74	MP1A	Z	-4.848	2
75	MP1A	Mx	.004	2
76	MP2B	X	7.489	2
77	MP2B	Z	-4.324	2
78	MP2B	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
79	M103	X	23.617	2
80	M103	Z	-13.635	2
81	M103	Mx	0	2
82	MP1C2	X	4.691	4
83	MP1C2	Z	-2.708	4
84	MP1C2	Mx	-.00087	4
85	MP1C2	X	4.691	4
86	MP1C2	Z	-2.708	4
87	MP1C2	Mx	.00087	4
88	MP1C2	X	9.787	2
89	MP1C2	Z	-5.65	2
90	MP1C2	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	6.707	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	-.003	2.5
4	MP3A	X	6.707	4
5	MP3A	Z	0	4
6	MP3A	Mx	-.003	4
7	MP3C	X	15.472	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	-.001	2.5
10	MP3C	X	15.472	4
11	MP3C	Z	0	4
12	MP3C	Mx	-.001	4
13	MP4B	X	7.764	2.5
14	MP4B	Z	0	2.5
15	MP4B	Mx	.004	2.5
16	MP4B	X	7.764	4
17	MP4B	Z	0	4
18	MP4B	Mx	.004	4
19	MP3A	X	2.011	7
20	MP3A	Z	0	7
21	MP3A	Mx	-.001	7
22	MP3C	X	6.694	7
23	MP3C	Z	0	7
24	MP3C	Mx	-.000581	7
25	MP4B	X	2.576	7
26	MP4B	Z	0	7
27	MP4B	Mx	.001	7
28	MP1C	X	31.68	.5
29	MP1C	Z	0	.5
30	MP1C	Mx	.018	.5
31	MP1C	X	31.68	4.5
32	MP1C	Z	0	4.5
33	MP1C	Mx	.018	4.5
34	MP1C	X	31.68	.5
35	MP1C	Z	0	.5
36	MP1C	Mx	-.024	.5
37	MP1C	X	31.68	4.5
38	MP1C	Z	0	4.5
39	MP1C	Mx	-.024	4.5
40	MP2A	X	24.143	.5
41	MP2A	Z	0	.5
42	MP2A	Mx	-.012	.5
43	MP2A	X	24.143	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
44	MP2A	Z	0	4.5
45	MP2A	Mx	-.012	4.5
46	MP2B	X	25.052	.5
47	MP2B	Z	0	.5
48	MP2B	Mx	.006	.5
49	MP2B	X	25.052	4.5
50	MP2B	Z	0	4.5
51	MP2B	Mx	.006	4.5
52	MP2A	X	24.143	.5
53	MP2A	Z	0	.5
54	MP2A	Mx	-.012	.5
55	MP2A	X	24.143	4.5
56	MP2A	Z	0	4.5
57	MP2A	Mx	-.012	4.5
58	MP2B	X	25.052	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	.017	.5
61	MP2B	X	25.052	4.5
62	MP2B	Z	0	4.5
63	MP2B	Mx	.017	4.5
64	MP2A	X	9.231	2
65	MP2A	Z	0	2
66	MP2A	Mx	.005	2
67	MP2C	X	13.148	2
68	MP2C	Z	0	2
69	MP2C	Mx	.001	2
70	MP3B	X	9.703	2
71	MP3B	Z	0	2
72	MP3B	Mx	-.005	2
73	MP1A	X	8.504	2
74	MP1A	Z	0	2
75	MP1A	Mx	.004	2
76	MP2B	X	9.061	2
77	MP2B	Z	0	2
78	MP2B	Mx	-.004	2
79	M103	X	25.784	2
80	M103	Z	0	2
81	M103	Mx	-.003	2
82	MP1C2	X	7.158	4
83	MP1C2	Z	0	4
84	MP1C2	Mx	-.000311	4
85	MP1C2	X	7.158	4
86	MP1C2	Z	0	4
87	MP1C2	Mx	.000311	4
88	MP1C2	X	13.126	2
89	MP1C2	Z	0	2
90	MP1C2	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	7.765	2.5
2	MP3A	Z	4.483	2.5
3	MP3A	Mx	-.004	2.5
4	MP3A	X	7.765	4
5	MP3A	Z	4.483	4
6	MP3A	Mx	-.004	4
7	MP3C	X	12.719	2.5
8	MP3C	Z	7.344	2.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3C	Mx	.003	2.5
10	MP3C	X	12.719	4
11	MP3C	Z	7.344	4
12	MP3C	Mx	.003	4
13	MP4B	X	10.401	2.5
14	MP4B	Z	6.005	2.5
15	MP4B	Mx	.004	2.5
16	MP4B	X	10.401	4
17	MP4B	Z	6.005	4
18	MP4B	Mx	.004	4
19	MP3A	X	2.787	7
20	MP3A	Z	1.609	7
21	MP3A	Mx	-.001	7
22	MP3C	X	5.434	7
23	MP3C	Z	3.137	7
24	MP3C	Mx	.001	7
25	MP4B	X	4.196	7
26	MP4B	Z	2.422	7
27	MP4B	Mx	.002	7
28	MP1C	X	26.851	.5
29	MP1C	Z	15.502	.5
30	MP1C	Mx	.025	.5
31	MP1C	X	26.851	4.5
32	MP1C	Z	15.502	4.5
33	MP1C	Mx	.025	4.5
34	MP1C	X	26.851	.5
35	MP1C	Z	15.502	.5
36	MP1C	Mx	-.014	.5
37	MP1C	X	26.851	4.5
38	MP1C	Z	15.502	4.5
39	MP1C	Mx	-.014	4.5
40	MP2A	X	22.591	.5
41	MP2A	Z	13.043	.5
42	MP2A	Mx	-.003	.5
43	MP2A	X	22.591	4.5
44	MP2A	Z	13.043	4.5
45	MP2A	Mx	-.003	4.5
46	MP2B	X	24.858	.5
47	MP2B	Z	14.352	.5
48	MP2B	Mx	-.005	.5
49	MP2B	X	24.858	4.5
50	MP2B	Z	14.352	4.5
51	MP2B	Mx	-.005	4.5
52	MP2A	X	22.591	.5
53	MP2A	Z	13.043	.5
54	MP2A	Mx	-.02	.5
55	MP2A	X	22.591	4.5
56	MP2A	Z	13.043	4.5
57	MP2A	Mx	-.02	4.5
58	MP2B	X	24.858	.5
59	MP2B	Z	14.352	.5
60	MP2B	Mx	.024	.5
61	MP2B	X	24.858	4.5
62	MP2B	Z	14.352	4.5
63	MP2B	Mx	.024	4.5
64	MP2A	X	8.868	2
65	MP2A	Z	5.12	2
66	MP2A	Mx	.004	2
67	MP2C	X	11.083	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
68	MP2C	Z	6.399	2
69	MP2C	Mx	-.002	2
70	MP3B	X	10.047	2
71	MP3B	Z	5.8	2
72	MP3B	Mx	-.004	2
73	MP1A	X	8.396	2
74	MP1A	Z	4.848	2
75	MP1A	Mx	.004	2
76	MP2B	X	9.787	2
77	MP2B	Z	5.65	2
78	MP2B	Mx	-.004	2
79	M103	X	19.755	2
80	M103	Z	11.406	2
81	M103	Mx	-.005	2
82	MP1C2	X	5.857	4
83	MP1C2	Z	3.381	4
84	MP1C2	Mx	.000578	4
85	MP1C2	X	5.857	4
86	MP1C2	Z	3.381	4
87	MP1C2	Mx	-.000578	4
88	MP1C2	X	11.009	2
89	MP1C2	Z	6.356	2
90	MP1C2	Mx	-.002	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	6.742	2.5
2	MP3A	Z	11.678	2.5
3	MP3A	Mx	-.003	2.5
4	MP3A	X	6.742	4
5	MP3A	Z	11.678	4
6	MP3A	Mx	-.003	4
7	MP3C	X	5.22	2.5
8	MP3C	Z	9.042	2.5
9	MP3C	Mx	.004	2.5
10	MP3C	X	5.22	4
11	MP3C	Z	9.042	4
12	MP3C	Mx	.004	4
13	MP4B	X	7.736	2.5
14	MP4B	Z	13.399	2.5
15	MP4B	Mx	.001	2.5
16	MP4B	X	7.736	4
17	MP4B	Z	13.399	4
18	MP4B	Mx	.001	4
19	MP3A	X	2.816	7
20	MP3A	Z	4.878	7
21	MP3A	Mx	-.001	7
22	MP3C	X	2.003	7
23	MP3C	Z	3.469	7
24	MP3C	Mx	.002	7
25	MP4B	X	3.347	7
26	MP4B	Z	5.797	7
27	MP4B	Mx	.000581	7
28	MP1C	X	13.677	.5
29	MP1C	Z	23.689	.5
30	MP1C	Mx	.022	.5
31	MP1C	X	13.677	4.5
32	MP1C	Z	23.689	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
33	MP1C	Mx	.022	4.5
34	MP1C	X	13.677	.5
35	MP1C	Z	23.689	.5
36	MP1C	Mx	-.001	.5
37	MP1C	X	13.677	4.5
38	MP1C	Z	23.689	4.5
39	MP1C	Mx	-.001	4.5
40	MP2A	X	14.986	.5
41	MP2A	Z	25.956	.5
42	MP2A	Mx	.01	.5
43	MP2A	X	14.986	4.5
44	MP2A	Z	25.956	4.5
45	MP2A	Mx	.01	4.5
46	MP2B	X	15.84	.5
47	MP2B	Z	27.435	.5
48	MP2B	Mx	-.018	.5
49	MP2B	X	15.84	4.5
50	MP2B	Z	27.435	4.5
51	MP2B	Mx	-.018	4.5
52	MP2A	X	14.986	.5
53	MP2A	Z	25.956	.5
54	MP2A	Mx	-.025	.5
55	MP2A	X	14.986	4.5
56	MP2A	Z	25.956	4.5
57	MP2A	Mx	-.025	4.5
58	MP2B	X	15.84	.5
59	MP2B	Z	27.435	.5
60	MP2B	Mx	.024	.5
61	MP2B	X	15.84	4.5
62	MP2B	Z	27.435	4.5
63	MP2B	Mx	.024	4.5
64	MP2A	X	6.13	2
65	MP2A	Z	10.617	2
66	MP2A	Mx	.003	2
67	MP2C	X	5.45	2
68	MP2C	Z	9.439	2
69	MP2C	Mx	-.004	2
70	MP3B	X	6.574	2
71	MP3B	Z	11.387	2
72	MP3B	Mx	-.001	2
73	MP1A	X	6.039	2
74	MP1A	Z	10.46	2
75	MP1A	Mx	.003	2
76	MP2B	X	6.563	2
77	MP2B	Z	11.368	2
78	MP2B	Mx	-.001	2
79	M103	X	10.662	2
80	M103	Z	18.468	2
81	M103	Mx	-.005	2
82	MP1C2	X	2.313	4
83	MP1C2	Z	4.007	4
84	MP1C2	Mx	.000886	4
85	MP1C2	X	2.313	4
86	MP1C2	Z	4.007	4
87	MP1C2	Mx	-.000886	4
88	MP1C2	X	5.236	2
89	MP1C2	Z	9.07	2
90	MP1C2	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	2.5
2	MP3A	Z	15.744	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4
5	MP3A	Z	15.744	4
6	MP3A	Mx	0	4
7	MP3C	X	0	2.5
8	MP3C	Z	6.979	2.5
9	MP3C	Mx	.003	2.5
10	MP3C	X	0	4
11	MP3C	Z	6.979	4
12	MP3C	Mx	.003	4
13	MP4B	X	0	2.5
14	MP4B	Z	14.687	2.5
15	MP4B	Mx	-.003	2.5
16	MP4B	X	0	4
17	MP4B	Z	14.687	4
18	MP4B	Mx	-.003	4
19	MP3A	X	0	7
20	MP3A	Z	6.84	7
21	MP3A	Mx	0	7
22	MP3C	X	0	7
23	MP3C	Z	2.156	7
24	MP3C	Mx	.001	7
25	MP4B	X	0	7
26	MP4B	Z	6.275	7
27	MP4B	Mx	-.001	7
28	MP1C	X	0	.5
29	MP1C	Z	24.377	.5
30	MP1C	Mx	.015	.5
31	MP1C	X	0	4.5
32	MP1C	Z	24.377	4.5
33	MP1C	Mx	.015	4.5
34	MP1C	X	0	.5
35	MP1C	Z	24.377	.5
36	MP1C	Mx	.009	.5
37	MP1C	X	0	4.5
38	MP1C	Z	24.377	4.5
39	MP1C	Mx	.009	4.5
40	MP2A	X	0	.5
41	MP2A	Z	31.914	.5
42	MP2A	Mx	.021	.5
43	MP2A	X	0	4.5
44	MP2A	Z	31.914	4.5
45	MP2A	Mx	.021	4.5
46	MP2B	X	0	.5
47	MP2B	Z	31.005	.5
48	MP2B	Mx	-.025	.5
49	MP2B	X	0	4.5
50	MP2B	Z	31.005	4.5
51	MP2B	Mx	-.025	4.5
52	MP2A	X	0	.5
53	MP2A	Z	31.914	.5
54	MP2A	Mx	-.021	.5
55	MP2A	X	0	4.5
56	MP2A	Z	31.914	4.5
57	MP2A	Mx	-.021	4.5
58	MP2B	X	0	.5
59	MP2B	Z	31.005	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023

9:53 PM

Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	MP2B	Mx	.014	.5
61	MP2B	X	0	4.5
62	MP2B	Z	31.005	4.5
63	MP2B	Mx	.014	4.5
64	MP2A	X	0	2
65	MP2A	Z	13.27	2
66	MP2A	Mx	0	2
67	MP2C	X	0	2
68	MP2C	Z	9.352	2
69	MP2C	Mx	-.005	2
70	MP3B	X	0	2
71	MP3B	Z	12.797	2
72	MP3B	Mx	.002	2
73	MP1A	X	0	2
74	MP1A	Z	13.27	2
75	MP1A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	12.712	2
78	MP2B	Mx	.002	2
79	M103	X	0	2
80	M103	Z	22.811	2
81	M103	Mx	-.005	2
82	MP1C2	X	0	4
83	MP1C2	Z	2.886	4
84	MP1C2	Mx	.000711	4
85	MP1C2	X	0	4
86	MP1C2	Z	2.886	4
87	MP1C2	Mx	-.000711	4
88	MP1C2	X	0	2
89	MP1C2	Z	8.647	2
90	MP1C2	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-6.742	2.5
2	MP3A	Z	11.678	2.5
3	MP3A	Mx	.003	2.5
4	MP3A	X	-6.742	4
5	MP3A	Z	11.678	4
6	MP3A	Mx	.003	4
7	MP3C	X	-3.882	2.5
8	MP3C	Z	6.724	2.5
9	MP3C	Mx	.004	2.5
10	MP3C	X	-3.882	4
11	MP3C	Z	6.724	4
12	MP3C	Mx	.004	4
13	MP4B	X	-5.22	2.5
14	MP4B	Z	9.042	2.5
15	MP4B	Mx	-.004	2.5
16	MP4B	X	-5.22	4
17	MP4B	Z	9.042	4
18	MP4B	Mx	-.004	4
19	MP3A	X	-2.816	7
20	MP3A	Z	4.878	7
21	MP3A	Mx	.001	7
22	MP3C	X	-1.288	7
23	MP3C	Z	2.231	7
24	MP3C	Mx	.001	7



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
25	MP4B	X	-2.003	7
26	MP4B	Z	3.469	7
27	MP4B	Mx	-.002	7
28	MP1C	X	-12.526	.5
29	MP1C	Z	21.696	.5
30	MP1C	Mx	.006	.5
31	MP1C	X	-12.526	4.5
32	MP1C	Z	21.696	4.5
33	MP1C	Mx	.006	4.5
34	MP1C	X	-12.526	.5
35	MP1C	Z	21.696	.5
36	MP1C	Mx	.017	.5
37	MP1C	X	-12.526	4.5
38	MP1C	Z	21.696	4.5
39	MP1C	Mx	.017	4.5
40	MP2A	X	-14.986	.5
41	MP2A	Z	25.956	.5
42	MP2A	Mx	.025	.5
43	MP2A	X	-14.986	4.5
44	MP2A	Z	25.956	4.5
45	MP2A	Mx	.025	4.5
46	MP2B	X	-13.677	.5
47	MP2B	Z	23.689	.5
48	MP2B	Mx	-.022	.5
49	MP2B	X	-13.677	4.5
50	MP2B	Z	23.689	4.5
51	MP2B	Mx	-.022	4.5
52	MP2A	X	-14.986	.5
53	MP2A	Z	25.956	.5
54	MP2A	Mx	-.01	.5
55	MP2A	X	-14.986	4.5
56	MP2A	Z	25.956	4.5
57	MP2A	Mx	-.01	4.5
58	MP2B	X	-13.677	.5
59	MP2B	Z	23.689	.5
60	MP2B	Mx	.001	.5
61	MP2B	X	-13.677	4.5
62	MP2B	Z	23.689	4.5
63	MP2B	Mx	.001	4.5
64	MP2A	X	-6.13	2
65	MP2A	Z	10.617	2
66	MP2A	Mx	-.003	2
67	MP2C	X	-4.852	2
68	MP2C	Z	8.403	2
69	MP2C	Mx	-.005	2
70	MP3B	X	-5.45	2
71	MP3B	Z	9.439	2
72	MP3B	Mx	.004	2
73	MP1A	X	-6.039	2
74	MP1A	Z	10.46	2
75	MP1A	Mx	-.003	2
76	MP2B	X	-5.236	2
77	MP2B	Z	9.07	2
78	MP2B	Mx	.004	2
79	M103	X	-12.892	2
80	M103	Z	22.329	2
81	M103	Mx	-.003	2
82	MP1C2	X	-1.64	4
83	MP1C2	Z	2.841	4



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
84	MP1C2	Mx	.000771	4
85	MP1C2	X	-1.64	4
86	MP1C2	Z	2.841	4
87	MP1C2	Mx	-.000771	4
88	MP1C2	X	-4.531	2
89	MP1C2	Z	7.847	2
90	MP1C2	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-7.765	2.5
2	MP3A	Z	4.483	2.5
3	MP3A	Mx	.004	2.5
4	MP3A	X	-7.765	4
5	MP3A	Z	4.483	4
6	MP3A	Mx	.004	4
7	MP3C	X	-10.401	2.5
8	MP3C	Z	6.005	2.5
9	MP3C	Mx	.004	2.5
10	MP3C	X	-10.401	4
11	MP3C	Z	6.005	4
12	MP3C	Mx	.004	4
13	MP4B	X	-6.044	2.5
14	MP4B	Z	3.49	2.5
15	MP4B	Mx	-.003	2.5
16	MP4B	X	-6.044	4
17	MP4B	Z	3.49	4
18	MP4B	Mx	-.003	4
19	MP3A	X	-2.787	7
20	MP3A	Z	1.609	7
21	MP3A	Mx	.001	7
22	MP3C	X	-4.196	7
23	MP3C	Z	2.422	7
24	MP3C	Mx	.002	7
25	MP4B	X	-1.867	7
26	MP4B	Z	1.078	7
27	MP4B	Mx	-.001	7
28	MP1C	X	-24.858	.5
29	MP1C	Z	14.352	.5
30	MP1C	Mx	-.005	.5
31	MP1C	X	-24.858	4.5
32	MP1C	Z	14.352	4.5
33	MP1C	Mx	-.005	4.5
34	MP1C	X	-24.858	.5
35	MP1C	Z	14.352	.5
36	MP1C	Mx	.024	.5
37	MP1C	X	-24.858	4.5
38	MP1C	Z	14.352	4.5
39	MP1C	Mx	.024	4.5
40	MP2A	X	-22.591	.5
41	MP2A	Z	13.043	.5
42	MP2A	Mx	.02	.5
43	MP2A	X	-22.591	4.5
44	MP2A	Z	13.043	4.5
45	MP2A	Mx	.02	4.5
46	MP2B	X	-21.112	.5
47	MP2B	Z	12.189	.5
48	MP2B	Mx	-.015	.5





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP2B	X	-21.112	4.5
50	MP2B	Z	12.189	4.5
51	MP2B	Mx	-.015	4.5
52	MP2A	X	-22.591	.5
53	MP2A	Z	13.043	.5
54	MP2A	Mx	.003	.5
55	MP2A	X	-22.591	4.5
56	MP2A	Z	13.043	4.5
57	MP2A	Mx	.003	4.5
58	MP2B	X	-21.112	.5
59	MP2B	Z	12.189	.5
60	MP2B	Mx	-.009	.5
61	MP2B	X	-21.112	4.5
62	MP2B	Z	12.189	4.5
63	MP2B	Mx	-.009	4.5
64	MP2A	X	-8.868	2
65	MP2A	Z	5.12	2
66	MP2A	Mx	-.004	2
67	MP2C	X	-10.047	2
68	MP2C	Z	5.8	2
69	MP2C	Mx	-.004	2
70	MP3B	X	-8.099	2
71	MP3B	Z	4.676	2
72	MP3B	Mx	.005	2
73	MP1A	X	-8.396	2
74	MP1A	Z	4.848	2
75	MP1A	Mx	-.004	2
76	MP2B	X	-7.489	2
77	MP2B	Z	4.324	2
78	MP2B	Mx	.004	2
79	M103	X	-23.617	2
80	M103	Z	13.635	2
81	M103	Mx	0	2
82	MP1C2	X	-4.691	4
83	MP1C2	Z	2.708	4
84	MP1C2	Mx	.00087	4
85	MP1C2	X	-4.691	4
86	MP1C2	Z	2.708	4
87	MP1C2	Mx	-.00087	4
88	MP1C2	X	-9.787	2
89	MP1C2	Z	5.65	2
90	MP1C2	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-6.707	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	.003	2.5
4	MP3A	X	-6.707	4
5	MP3A	Z	0	4
6	MP3A	Mx	.003	4
7	MP3C	X	-15.472	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	.001	2.5
10	MP3C	X	-15.472	4
11	MP3C	Z	0	4
12	MP3C	Mx	.001	4
13	MP4B	X	-7.764	2.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
14	MP4B	Z	0	2.5
15	MP4B	Mx	-.004	2.5
16	MP4B	X	-7.764	4
17	MP4B	Z	0	4
18	MP4B	Mx	-.004	4
19	MP3A	X	-2.011	7
20	MP3A	Z	0	7
21	MP3A	Mx	.001	7
22	MP3C	X	-6.694	7
23	MP3C	Z	0	7
24	MP3C	Mx	.000581	7
25	MP4B	X	-2.576	7
26	MP4B	Z	0	7
27	MP4B	Mx	-.001	7
28	MP1C	X	-31.68	.5
29	MP1C	Z	0	.5
30	MP1C	Mx	-.018	.5
31	MP1C	X	-31.68	4.5
32	MP1C	Z	0	4.5
33	MP1C	Mx	-.018	4.5
34	MP1C	X	-31.68	.5
35	MP1C	Z	0	.5
36	MP1C	Mx	.024	.5
37	MP1C	X	-31.68	4.5
38	MP1C	Z	0	4.5
39	MP1C	Mx	.024	4.5
40	MP2A	X	-24.143	.5
41	MP2A	Z	0	.5
42	MP2A	Mx	.012	.5
43	MP2A	X	-24.143	4.5
44	MP2A	Z	0	4.5
45	MP2A	Mx	.012	4.5
46	MP2B	X	-25.052	.5
47	MP2B	Z	0	.5
48	MP2B	Mx	-.006	.5
49	MP2B	X	-25.052	4.5
50	MP2B	Z	0	4.5
51	MP2B	Mx	-.006	4.5
52	MP2A	X	-24.143	.5
53	MP2A	Z	0	.5
54	MP2A	Mx	.012	.5
55	MP2A	X	-24.143	4.5
56	MP2A	Z	0	4.5
57	MP2A	Mx	.012	4.5
58	MP2B	X	-25.052	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	-.017	.5
61	MP2B	X	-25.052	4.5
62	MP2B	Z	0	4.5
63	MP2B	Mx	-.017	4.5
64	MP2A	X	-9.231	2
65	MP2A	Z	0	2
66	MP2A	Mx	-.005	2
67	MP2C	X	-13.148	2
68	MP2C	Z	0	2
69	MP2C	Mx	-.001	2
70	MP3B	X	-9.703	2
71	MP3B	Z	0	2
72	MP3B	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
73	MP1A	X	-8.504	2
74	MP1A	Z	0	2
75	MP1A	Mx	-.004	2
76	MP2B	X	-9.061	2
77	MP2B	Z	0	2
78	MP2B	Mx	.004	2
79	M103	X	-25.784	2
80	M103	Z	0	2
81	M103	Mx	.003	2
82	MP1C2	X	-7.158	4
83	MP1C2	Z	0	4
84	MP1C2	Mx	.000311	4
85	MP1C2	X	-7.158	4
86	MP1C2	Z	0	4
87	MP1C2	Mx	-.000311	4
88	MP1C2	X	-13.126	2
89	MP1C2	Z	0	2
90	MP1C2	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-7.765	2.5
2	MP3A	Z	-4.483	2.5
3	MP3A	Mx	.004	2.5
4	MP3A	X	-7.765	4
5	MP3A	Z	-4.483	4
6	MP3A	Mx	.004	4
7	MP3C	X	-12.719	2.5
8	MP3C	Z	-7.344	2.5
9	MP3C	Mx	-.003	2.5
10	MP3C	X	-12.719	4
11	MP3C	Z	-7.344	4
12	MP3C	Mx	-.003	4
13	MP4B	X	-10.401	2.5
14	MP4B	Z	-6.005	2.5
15	MP4B	Mx	-.004	2.5
16	MP4B	X	-10.401	4
17	MP4B	Z	-6.005	4
18	MP4B	Mx	-.004	4
19	MP3A	X	-2.787	7
20	MP3A	Z	-1.609	7
21	MP3A	Mx	.001	7
22	MP3C	X	-5.434	7
23	MP3C	Z	-3.137	7
24	MP3C	Mx	-.001	7
25	MP4B	X	-4.196	7
26	MP4B	Z	-2.422	7
27	MP4B	Mx	-.002	7
28	MP1C	X	-26.851	.5
29	MP1C	Z	-15.502	.5
30	MP1C	Mx	-.025	.5
31	MP1C	X	-26.851	4.5
32	MP1C	Z	-15.502	4.5
33	MP1C	Mx	-.025	4.5
34	MP1C	X	-26.851	.5
35	MP1C	Z	-15.502	.5
36	MP1C	Mx	.014	.5
37	MP1C	X	-26.851	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
38	MP1C	Z	-15.502	4.5
39	MP1C	Mx	.014	4.5
40	MP2A	X	-22.591	.5
41	MP2A	Z	-13.043	.5
42	MP2A	Mx	.003	.5
43	MP2A	X	-22.591	4.5
44	MP2A	Z	-13.043	4.5
45	MP2A	Mx	.003	4.5
46	MP2B	X	-24.858	.5
47	MP2B	Z	-14.352	.5
48	MP2B	Mx	.005	.5
49	MP2B	X	-24.858	4.5
50	MP2B	Z	-14.352	4.5
51	MP2B	Mx	.005	4.5
52	MP2A	X	-22.591	.5
53	MP2A	Z	-13.043	.5
54	MP2A	Mx	.02	.5
55	MP2A	X	-22.591	4.5
56	MP2A	Z	-13.043	4.5
57	MP2A	Mx	.02	4.5
58	MP2B	X	-24.858	.5
59	MP2B	Z	-14.352	.5
60	MP2B	Mx	-.024	.5
61	MP2B	X	-24.858	4.5
62	MP2B	Z	-14.352	4.5
63	MP2B	Mx	-.024	4.5
64	MP2A	X	-8.868	2
65	MP2A	Z	-5.12	2
66	MP2A	Mx	-.004	2
67	MP2C	X	-11.083	2
68	MP2C	Z	-6.399	2
69	MP2C	Mx	.002	2
70	MP3B	X	-10.047	2
71	MP3B	Z	-5.8	2
72	MP3B	Mx	.004	2
73	MP1A	X	-8.396	2
74	MP1A	Z	-4.848	2
75	MP1A	Mx	-.004	2
76	MP2B	X	-9.787	2
77	MP2B	Z	-5.65	2
78	MP2B	Mx	.004	2
79	M103	X	-19.755	2
80	M103	Z	-11.406	2
81	M103	Mx	.005	2
82	MP1C2	X	-5.857	4
83	MP1C2	Z	-3.381	4
84	MP1C2	Mx	-.000578	4
85	MP1C2	X	-5.857	4
86	MP1C2	Z	-3.381	4
87	MP1C2	Mx	.000578	4
88	MP1C2	X	-11.009	2
89	MP1C2	Z	-6.356	2
90	MP1C2	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-6.742	2.5
2	MP3A	Z	-11.678	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
3	MP3A	Mx	.003	2.5
4	MP3A	X	-6.742	4
5	MP3A	Z	-11.678	4
6	MP3A	Mx	.003	4
7	MP3C	X	-5.22	2.5
8	MP3C	Z	-9.042	2.5
9	MP3C	Mx	-.004	2.5
10	MP3C	X	-5.22	4
11	MP3C	Z	-9.042	4
12	MP3C	Mx	-.004	4
13	MP4B	X	-7.736	2.5
14	MP4B	Z	-13.399	2.5
15	MP4B	Mx	-.001	2.5
16	MP4B	X	-7.736	4
17	MP4B	Z	-13.399	4
18	MP4B	Mx	-.001	4
19	MP3A	X	-2.816	7
20	MP3A	Z	-4.878	7
21	MP3A	Mx	.001	7
22	MP3C	X	-2.003	7
23	MP3C	Z	-3.469	7
24	MP3C	Mx	-.002	7
25	MP4B	X	-3.347	7
26	MP4B	Z	-5.797	7
27	MP4B	Mx	-.000581	7
28	MP1C	X	-13.677	.5
29	MP1C	Z	-23.689	.5
30	MP1C	Mx	-.022	.5
31	MP1C	X	-13.677	4.5
32	MP1C	Z	-23.689	4.5
33	MP1C	Mx	-.022	4.5
34	MP1C	X	-13.677	.5
35	MP1C	Z	-23.689	.5
36	MP1C	Mx	.001	.5
37	MP1C	X	-13.677	4.5
38	MP1C	Z	-23.689	4.5
39	MP1C	Mx	.001	4.5
40	MP2A	X	-14.986	.5
41	MP2A	Z	-25.956	.5
42	MP2A	Mx	-.01	.5
43	MP2A	X	-14.986	4.5
44	MP2A	Z	-25.956	4.5
45	MP2A	Mx	-.01	4.5
46	MP2B	X	-15.84	.5
47	MP2B	Z	-27.435	.5
48	MP2B	Mx	.018	.5
49	MP2B	X	-15.84	4.5
50	MP2B	Z	-27.435	4.5
51	MP2B	Mx	.018	4.5
52	MP2A	X	-14.986	.5
53	MP2A	Z	-25.956	.5
54	MP2A	Mx	.025	.5
55	MP2A	X	-14.986	4.5
56	MP2A	Z	-25.956	4.5
57	MP2A	Mx	.025	4.5
58	MP2B	X	-15.84	.5
59	MP2B	Z	-27.435	.5
60	MP2B	Mx	-.024	.5
61	MP2B	X	-15.84	4.5



Company  
Designer  
Job Number  
Model Name

July 19, 2023  
9:53 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
62	MP2B	Z	-27.435	4.5
63	MP2B	Mx	-.024	4.5
64	MP2A	X	-6.13	2
65	MP2A	Z	-10.617	2
66	MP2A	Mx	-.003	2
67	MP2C	X	-5.45	2
68	MP2C	Z	-9.439	2
69	MP2C	Mx	.004	2
70	MP3B	X	-6.574	2
71	MP3B	Z	-11.387	2
72	MP3B	Mx	.001	2
73	MP1A	X	-6.039	2
74	MP1A	Z	-10.46	2
75	MP1A	Mx	-.003	2
76	MP2B	X	-6.563	2
77	MP2B	Z	-11.368	2
78	MP2B	Mx	.001	2
79	M103	X	-10.662	2
80	M103	Z	-18.468	2
81	M103	Mx	.005	2
82	MP1C2	X	-2.313	4
83	MP1C2	Z	-4.007	4
84	MP1C2	Mx	-.000886	4
85	MP1C2	X	-2.313	4
86	MP1C2	Z	-4.007	4
87	MP1C2	Mx	.000886	4
88	MP1C2	X	-5.236	2
89	MP1C2	Z	-9.07	2
90	MP1C2	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2.5
2	MP3A	Z	-4.184	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4
5	MP3A	Z	-4.184	4
6	MP3A	Mx	0	4
7	MP3C	X	0	2.5
8	MP3C	Z	-1.524	2.5
9	MP3C	Mx	-.00075	2.5
10	MP3C	X	0	4
11	MP3C	Z	-1.524	4
12	MP3C	Mx	-.00075	4
13	MP4B	X	0	2.5
14	MP4B	Z	-3.863	2.5
15	MP4B	Mx	.000661	2.5
16	MP4B	X	0	4
17	MP4B	Z	-3.863	4
18	MP4B	Mx	.000661	4
19	MP3A	X	0	7
20	MP3A	Z	-1.9	7
21	MP3A	Mx	0	7
22	MP3C	X	0	7
23	MP3C	Z	-.419	7
24	MP3C	Mx	-.000206	7
25	MP4B	X	0	7
26	MP4B	Z	-1.721	7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP4B	Mx	.000294	7
28	MP1C	X	0	.5
29	MP1C	Z	-3.817	.5
30	MP1C	Mx	-.002	.5
31	MP1C	X	0	4.5
32	MP1C	Z	-3.817	4.5
33	MP1C	Mx	-.002	4.5
34	MP1C	X	0	.5
35	MP1C	Z	-3.817	.5
36	MP1C	Mx	-.001	.5
37	MP1C	X	0	4.5
38	MP1C	Z	-3.817	4.5
39	MP1C	Mx	-.001	4.5
40	MP2A	X	0	.5
41	MP2A	Z	-5.049	.5
42	MP2A	Mx	-.003	.5
43	MP2A	X	0	4.5
44	MP2A	Z	-5.049	4.5
45	MP2A	Mx	-.003	4.5
46	MP2B	X	0	.5
47	MP2B	Z	-4.9	.5
48	MP2B	Mx	.004	.5
49	MP2B	X	0	4.5
50	MP2B	Z	-4.9	4.5
51	MP2B	Mx	.004	4.5
52	MP2A	X	0	.5
53	MP2A	Z	-5.049	.5
54	MP2A	Mx	.003	.5
55	MP2A	X	0	4.5
56	MP2A	Z	-5.049	4.5
57	MP2A	Mx	.003	4.5
58	MP2B	X	0	.5
59	MP2B	Z	-4.9	.5
60	MP2B	Mx	-.002	.5
61	MP2B	X	0	4.5
62	MP2B	Z	-4.9	4.5
63	MP2B	Mx	-.002	4.5
64	MP2A	X	0	2
65	MP2A	Z	-3.309	2
66	MP2A	Mx	0	2
67	MP2C	X	0	2
68	MP2C	Z	-2.253	2
69	MP2C	Mx	.001	2
70	MP3B	X	0	2
71	MP3B	Z	-3.182	2
72	MP3B	Mx	-.000544	2
73	MP1A	X	0	2
74	MP1A	Z	-3.309	2
75	MP1A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	-3.157	2
78	MP2B	Mx	-.00054	2
79	M103	X	0	2
80	M103	Z	-5.551	2
81	M103	Mx	.001	2
82	MP1C2	X	0	4
83	MP1C2	Z	-.665	4
84	MP1C2	Mx	-.000164	4
85	MP1C2	X	0	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP1C2	Z	-.665	4
87	MP1C2	Mx	.000164	4
88	MP1C2	X	0	2
89	MP1C2	Z	-2.046	2
90	MP1C2	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.749	2.5
2	MP3A	Z	-3.03	2.5
3	MP3A	Mx	-.000874	2.5
4	MP3A	X	1.749	4
5	MP3A	Z	-3.03	4
6	MP3A	Mx	-.000874	4
7	MP3C	X	.881	2.5
8	MP3C	Z	-1.526	2.5
9	MP3C	Mx	-.000828	2.5
10	MP3C	X	.881	4
11	MP3C	Z	-1.526	4
12	MP3C	Mx	-.000828	4
13	MP4B	X	1.287	2.5
14	MP4B	Z	-2.23	2.5
15	MP4B	Mx	.000986	2.5
16	MP4B	X	1.287	4
17	MP4B	Z	-2.23	4
18	MP4B	Mx	.000986	4
19	MP3A	X	.759	7
20	MP3A	Z	-1.315	7
21	MP3A	Mx	-.00038	7
22	MP3C	X	.276	7
23	MP3C	Z	-.477	7
24	MP3C	Mx	-.000259	7
25	MP4B	X	.502	7
26	MP4B	Z	-.869	7
27	MP4B	Mx	.000384	7
28	MP1C	X	1.964	.5
29	MP1C	Z	-3.401	.5
30	MP1C	Mx	-.000949	.5
31	MP1C	X	1.964	4.5
32	MP1C	Z	-3.401	4.5
33	MP1C	Mx	-.000949	4.5
34	MP1C	X	1.964	.5
35	MP1C	Z	-3.401	.5
36	MP1C	Mx	-.003	.5
37	MP1C	X	1.964	4.5
38	MP1C	Z	-3.401	4.5
39	MP1C	Mx	-.003	4.5
40	MP2A	X	2.366	.5
41	MP2A	Z	-4.097	.5
42	MP2A	Mx	-.004	.5
43	MP2A	X	2.366	4.5
44	MP2A	Z	-4.097	4.5
45	MP2A	Mx	-.004	4.5
46	MP2B	X	2.152	.5
47	MP2B	Z	-3.727	.5
48	MP2B	Mx	.003	.5
49	MP2B	X	2.152	4.5
50	MP2B	Z	-3.727	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
51	MP2B	Mx	.003	4.5
52	MP2A	X	2.366	.5
53	MP2A	Z	-4.097	.5
54	MP2A	Mx	.002	.5
55	MP2A	X	2.366	4.5
56	MP2A	Z	-4.097	4.5
57	MP2A	Mx	.002	4.5
58	MP2B	X	2.152	.5
59	MP2B	Z	-3.727	.5
60	MP2B	Mx	-.000196	.5
61	MP2B	X	2.152	4.5
62	MP2B	Z	-3.727	4.5
63	MP2B	Mx	-.000196	4.5
64	MP2A	X	1.518	2
65	MP2A	Z	-2.63	2
66	MP2A	Mx	.000759	2
67	MP2C	X	1.174	2
68	MP2C	Z	-2.033	2
69	MP2C	Mx	.001	2
70	MP3B	X	1.335	2
71	MP3B	Z	-2.312	2
72	MP3B	Mx	-.001	2
73	MP1A	X	1.492	2
74	MP1A	Z	-2.584	2
75	MP1A	Mx	.000746	2
76	MP2B	X	1.272	2
77	MP2B	Z	-2.204	2
78	MP2B	Mx	-.000975	2
79	M103	X	3.181	2
80	M103	Z	-5.51	2
81	M103	Mx	.000795	2
82	MP1C2	X	.394	4
83	MP1C2	Z	-.683	4
84	MP1C2	Mx	-.000185	4
85	MP1C2	X	.394	4
86	MP1C2	Z	-.683	4
87	MP1C2	Mx	.000185	4
88	MP1C2	X	1.08	2
89	MP1C2	Z	-1.87	2
90	MP1C2	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.842	2.5
2	MP3A	Z	-1.063	2.5
3	MP3A	Mx	-.000921	2.5
4	MP3A	X	1.842	4
5	MP3A	Z	-1.063	4
6	MP3A	Mx	-.000921	4
7	MP3C	X	2.642	2.5
8	MP3C	Z	-1.525	2.5
9	MP3C	Mx	-.00098	2.5
10	MP3C	X	2.642	4
11	MP3C	Z	-1.525	4
12	MP3C	Mx	-.00098	4
13	MP4B	X	1.32	2.5
14	MP4B	Z	-.762	2.5
15	MP4B	Mx	.000751	2.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
16	MP4B	X	1.32	4
17	MP4B	Z	-.762	4
18	MP4B	Mx	.000751	4
19	MP3A	X	.653	7
20	MP3A	Z	-.377	7
21	MP3A	Mx	-.000326	7
22	MP3C	X	1.099	7
23	MP3C	Z	-.634	7
24	MP3C	Mx	-.000408	7
25	MP4B	X	.363	7
26	MP4B	Z	-.209	7
27	MP4B	Mx	.000206	7
28	MP1C	X	3.918	.5
29	MP1C	Z	-2.262	.5
30	MP1C	Mx	.000856	.5
31	MP1C	X	3.918	4.5
32	MP1C	Z	-2.262	4.5
33	MP1C	Mx	.000856	4.5
34	MP1C	X	3.918	.5
35	MP1C	Z	-2.262	.5
36	MP1C	Mx	-.004	.5
37	MP1C	X	3.918	4.5
38	MP1C	Z	-2.262	4.5
39	MP1C	Mx	-.004	4.5
40	MP2A	X	3.547	.5
41	MP2A	Z	-2.048	.5
42	MP2A	Mx	-.003	.5
43	MP2A	X	3.547	4.5
44	MP2A	Z	-2.048	4.5
45	MP2A	Mx	-.003	4.5
46	MP2B	X	3.306	.5
47	MP2B	Z	-1.908	.5
48	MP2B	Mx	.002	.5
49	MP2B	X	3.306	4.5
50	MP2B	Z	-1.908	4.5
51	MP2B	Mx	.002	4.5
52	MP2A	X	3.547	.5
53	MP2A	Z	-2.048	.5
54	MP2A	Mx	-.000408	.5
55	MP2A	X	3.547	4.5
56	MP2A	Z	-2.048	4.5
57	MP2A	Mx	-.000408	4.5
58	MP2B	X	3.306	.5
59	MP2B	Z	-1.908	.5
60	MP2B	Mx	.001	.5
61	MP2B	X	3.306	4.5
62	MP2B	Z	-1.908	4.5
63	MP2B	Mx	.001	4.5
64	MP2A	X	2.159	2
65	MP2A	Z	-1.246	2
66	MP2A	Mx	.001	2
67	MP2C	X	2.476	2
68	MP2C	Z	-1.43	2
69	MP2C	Mx	.000919	2
70	MP3B	X	1.951	2
71	MP3B	Z	-1.127	2
72	MP3B	Mx	-.001	2
73	MP1A	X	2.02	2
74	MP1A	Z	-1.166	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
75	MP1A	Mx	.001	2
76	MP2B	X	1.772	2
77	MP2B	Z	-1.023	2
78	MP2B	Mx	-.001	2
79	M103	X	5.861	2
80	M103	Z	-3.384	2
81	M103	Mx	0	2
82	MP1C2	X	1.264	4
83	MP1C2	Z	-.73	4
84	MP1C2	Mx	-.000235	4
85	MP1C2	X	1.264	4
86	MP1C2	Z	-.73	4
87	MP1C2	Mx	.000235	4
88	MP1C2	X	2.4	2
89	MP1C2	Z	-1.385	2
90	MP1C2	Mx	.00089	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.441	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	-.000721	2.5
4	MP3A	X	1.441	4
5	MP3A	Z	0	4
6	MP3A	Mx	-.000721	4
7	MP3C	X	4.102	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	-.000356	2.5
10	MP3C	X	4.102	4
11	MP3C	Z	0	4
12	MP3C	Mx	-.000356	4
13	MP4B	X	1.762	2.5
14	MP4B	Z	0	2.5
15	MP4B	Mx	.000828	2.5
16	MP4B	X	1.762	4
17	MP4B	Z	0	4
18	MP4B	Mx	.000828	4
19	MP3A	X	.373	7
20	MP3A	Z	0	7
21	MP3A	Mx	-.000186	7
22	MP3C	X	1.854	7
23	MP3C	Z	0	7
24	MP3C	Mx	-.000161	7
25	MP4B	X	.551	7
26	MP4B	Z	0	7
27	MP4B	Mx	.000259	7
28	MP1C	X	5.011	.5
29	MP1C	Z	0	.5
30	MP1C	Mx	.003	.5
31	MP1C	X	5.011	4.5
32	MP1C	Z	0	4.5
33	MP1C	Mx	.003	4.5
34	MP1C	X	5.011	.5
35	MP1C	Z	0	.5
36	MP1C	Mx	-.004	.5
37	MP1C	X	5.011	4.5
38	MP1C	Z	0	4.5
39	MP1C	Mx	-.004	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP2A	X	3.779	.5
41	MP2A	Z	0	.5
42	MP2A	Mx	-.002	.5
43	MP2A	X	3.779	4.5
44	MP2A	Z	0	4.5
45	MP2A	Mx	-.002	4.5
46	MP2B	X	3.927	.5
47	MP2B	Z	0	.5
48	MP2B	Mx	.00095	.5
49	MP2B	X	3.927	4.5
50	MP2B	Z	0	4.5
51	MP2B	Mx	.00095	4.5
52	MP2A	X	3.779	.5
53	MP2A	Z	0	.5
54	MP2A	Mx	-.002	.5
55	MP2A	X	3.779	4.5
56	MP2A	Z	0	4.5
57	MP2A	Mx	-.002	4.5
58	MP2B	X	3.927	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	.003	.5
61	MP2B	X	3.927	4.5
62	MP2B	Z	0	4.5
63	MP2B	Mx	.003	4.5
64	MP2A	X	2.22	2
65	MP2A	Z	0	2
66	MP2A	Mx	.001	2
67	MP2C	X	3.276	2
68	MP2C	Z	0	2
69	MP2C	Mx	.000284	2
70	MP3B	X	2.348	2
71	MP3B	Z	0	2
72	MP3B	Mx	-.001	2
73	MP1A	X	2.007	2
74	MP1A	Z	0	2
75	MP1A	Mx	.001	2
76	MP2B	X	2.159	2
77	MP2B	Z	0	2
78	MP2B	Mx	-.001	2
79	M103	X	6.362	2
80	M103	Z	0	2
81	M103	Mx	-.000795	2
82	MP1C2	X	2.006	4
83	MP1C2	Z	0	4
84	MP1C2	Mx	-8.7e-5	4
85	MP1C2	X	2.006	4
86	MP1C2	Z	0	4
87	MP1C2	Mx	8.7e-5	4
88	MP1C2	X	3.27	2
89	MP1C2	Z	0	2
90	MP1C2	Mx	.000284	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.842	2.5
2	MP3A	Z	1.063	2.5
3	MP3A	Mx	-.000921	2.5
4	MP3A	X	1.842	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft.%)
5	MP3A	Z	1.063	4
6	MP3A	Mx	-.000921	4
7	MP3C	X	3.346	2.5
8	MP3C	Z	1.932	2.5
9	MP3C	Mx	.000661	2.5
10	MP3C	X	3.346	4
11	MP3C	Z	1.932	4
12	MP3C	Mx	.000661	4
13	MP4B	X	2.642	2.5
14	MP4B	Z	1.525	2.5
15	MP4B	Mx	.000981	2.5
16	MP4B	X	2.642	4
17	MP4B	Z	1.525	4
18	MP4B	Mx	.000981	4
19	MP3A	X	.653	7
20	MP3A	Z	.377	7
21	MP3A	Mx	-.000326	7
22	MP3C	X	1.491	7
23	MP3C	Z	.861	7
24	MP3C	Mx	.000295	7
25	MP4B	X	1.099	7
26	MP4B	Z	.634	7
27	MP4B	Mx	.000408	7
28	MP1C	X	4.244	.5
29	MP1C	Z	2.45	.5
30	MP1C	Mx	.004	.5
31	MP1C	X	4.244	4.5
32	MP1C	Z	2.45	4.5
33	MP1C	Mx	.004	4.5
34	MP1C	X	4.244	.5
35	MP1C	Z	2.45	.5
36	MP1C	Mx	-.002	.5
37	MP1C	X	4.244	4.5
38	MP1C	Z	2.45	4.5
39	MP1C	Mx	-.002	4.5
40	MP2A	X	3.547	.5
41	MP2A	Z	2.048	.5
42	MP2A	Mx	-.000408	.5
43	MP2A	X	3.547	4.5
44	MP2A	Z	2.048	4.5
45	MP2A	Mx	-.000408	4.5
46	MP2B	X	3.918	.5
47	MP2B	Z	2.262	.5
48	MP2B	Mx	-.000856	.5
49	MP2B	X	3.918	4.5
50	MP2B	Z	2.262	4.5
51	MP2B	Mx	-.000856	4.5
52	MP2A	X	3.547	.5
53	MP2A	Z	2.048	.5
54	MP2A	Mx	-.003	.5
55	MP2A	X	3.547	4.5
56	MP2A	Z	2.048	4.5
57	MP2A	Mx	-.003	4.5
58	MP2B	X	3.918	.5
59	MP2B	Z	2.262	.5
60	MP2B	Mx	.004	.5
61	MP2B	X	3.918	4.5
62	MP2B	Z	2.262	4.5
63	MP2B	Mx	.004	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
64	MP2A	X	2.159	2
65	MP2A	Z	1.246	2
66	MP2A	Mx	.001	2
67	MP2C	X	2.755	2
68	MP2C	Z	1.591	2
69	MP2C	Mx	-.000544	2
70	MP3B	X	2.476	2
71	MP3B	Z	1.43	2
72	MP3B	Mx	-.000919	2
73	MP1A	X	2.02	2
74	MP1A	Z	1.166	2
75	MP1A	Mx	.001	2
76	MP2B	X	2.4	2
77	MP2B	Z	1.385	2
78	MP2B	Mx	-.000891	2
79	M103	X	4.807	2
80	M103	Z	2.775	2
81	M103	Mx	-.001	2
82	MP1C2	X	1.63	4
83	MP1C2	Z	.941	4
84	MP1C2	Mx	.000161	4
85	MP1C2	X	1.63	4
86	MP1C2	Z	.941	4
87	MP1C2	Mx	-.000161	4
88	MP1C2	X	2.734	2
89	MP1C2	Z	1.578	2
90	MP1C2	Mx	-.00054	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.749	2.5
2	MP3A	Z	3.03	2.5
3	MP3A	Mx	-.000874	2.5
4	MP3A	X	1.749	4
5	MP3A	Z	3.03	4
6	MP3A	Mx	-.000874	4
7	MP3C	X	1.287	2.5
8	MP3C	Z	2.23	2.5
9	MP3C	Mx	.000986	2.5
10	MP3C	X	1.287	4
11	MP3C	Z	2.23	4
12	MP3C	Mx	.000986	4
13	MP4B	X	2.051	2.5
14	MP4B	Z	3.552	2.5
15	MP4B	Mx	.000356	2.5
16	MP4B	X	2.051	4
17	MP4B	Z	3.552	4
18	MP4B	Mx	.000356	4
19	MP3A	X	.759	7
20	MP3A	Z	1.315	7
21	MP3A	Mx	-.00038	7
22	MP3C	X	.502	7
23	MP3C	Z	.869	7
24	MP3C	Mx	.000384	7
25	MP4B	X	.927	7
26	MP4B	Z	1.606	7
27	MP4B	Mx	.000161	7
28	MP1C	X	2.152	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft.%)
29	MP1C	Z	3.727	.5
30	MP1C	Mx	.003	.5
31	MP1C	X	2.152	4.5
32	MP1C	Z	3.727	4.5
33	MP1C	Mx	.003	4.5
34	MP1C	X	2.152	.5
35	MP1C	Z	3.727	.5
36	MP1C	Mx	-.000196	.5
37	MP1C	X	2.152	4.5
38	MP1C	Z	3.727	4.5
39	MP1C	Mx	-.000196	4.5
40	MP2A	X	2.366	.5
41	MP2A	Z	4.097	.5
42	MP2A	Mx	.002	.5
43	MP2A	X	2.366	4.5
44	MP2A	Z	4.097	4.5
45	MP2A	Mx	.002	4.5
46	MP2B	X	2.505	.5
47	MP2B	Z	4.339	.5
48	MP2B	Mx	-.003	.5
49	MP2B	X	2.505	4.5
50	MP2B	Z	4.339	4.5
51	MP2B	Mx	-.003	4.5
52	MP2A	X	2.366	.5
53	MP2A	Z	4.097	.5
54	MP2A	Mx	-.004	.5
55	MP2A	X	2.366	4.5
56	MP2A	Z	4.097	4.5
57	MP2A	Mx	-.004	4.5
58	MP2B	X	2.505	.5
59	MP2B	Z	4.339	.5
60	MP2B	Mx	.004	.5
61	MP2B	X	2.505	4.5
62	MP2B	Z	4.339	4.5
63	MP2B	Mx	.004	4.5
64	MP2A	X	1.518	2
65	MP2A	Z	2.63	2
66	MP2A	Mx	.000759	2
67	MP2C	X	1.335	2
68	MP2C	Z	2.312	2
69	MP2C	Mx	-.001	2
70	MP3B	X	1.638	2
71	MP3B	Z	2.837	2
72	MP3B	Mx	-.000284	2
73	MP1A	X	1.492	2
74	MP1A	Z	2.584	2
75	MP1A	Mx	.000746	2
76	MP2B	X	1.635	2
77	MP2B	Z	2.832	2
78	MP2B	Mx	-.000284	2
79	M103	X	2.572	2
80	M103	Z	4.456	2
81	M103	Mx	-.001	2
82	MP1C2	X	.606	4
83	MP1C2	Z	1.049	4
84	MP1C2	Mx	.000232	4
85	MP1C2	X	.606	4
86	MP1C2	Z	1.049	4
87	MP1C2	Mx	-.000232	4



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
88	MP1C2	X	1.272	2
89	MP1C2	Z	2.204	2
90	MP1C2	Mx	-.000975	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2.5
2	MP3A	Z	4.184	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4
5	MP3A	Z	4.184	4
6	MP3A	Mx	0	4
7	MP3C	X	0	2.5
8	MP3C	Z	1.524	2.5
9	MP3C	Mx	.00075	2.5
10	MP3C	X	0	4
11	MP3C	Z	1.524	4
12	MP3C	Mx	.00075	4
13	MP4B	X	0	2.5
14	MP4B	Z	3.863	2.5
15	MP4B	Mx	-.000661	2.5
16	MP4B	X	0	4
17	MP4B	Z	3.863	4
18	MP4B	Mx	-.000661	4
19	MP3A	X	0	7
20	MP3A	Z	1.9	7
21	MP3A	Mx	0	7
22	MP3C	X	0	7
23	MP3C	Z	.419	7
24	MP3C	Mx	.000206	7
25	MP4B	X	0	7
26	MP4B	Z	1.721	7
27	MP4B	Mx	-.000294	7
28	MP1C	X	0	.5
29	MP1C	Z	3.817	.5
30	MP1C	Mx	.002	.5
31	MP1C	X	0	4.5
32	MP1C	Z	3.817	4.5
33	MP1C	Mx	.002	4.5
34	MP1C	X	0	.5
35	MP1C	Z	3.817	.5
36	MP1C	Mx	.001	.5
37	MP1C	X	0	4.5
38	MP1C	Z	3.817	4.5
39	MP1C	Mx	.001	4.5
40	MP2A	X	0	.5
41	MP2A	Z	5.049	.5
42	MP2A	Mx	.003	.5
43	MP2A	X	0	4.5
44	MP2A	Z	5.049	4.5
45	MP2A	Mx	.003	4.5
46	MP2B	X	0	.5
47	MP2B	Z	4.9	.5
48	MP2B	Mx	-.004	.5
49	MP2B	X	0	4.5
50	MP2B	Z	4.9	4.5
51	MP2B	Mx	-.004	4.5
52	MP2A	X	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
53	MP2A	Z	5.049	.5
54	MP2A	Mx	-.003	.5
55	MP2A	X	0	4.5
56	MP2A	Z	5.049	4.5
57	MP2A	Mx	-.003	4.5
58	MP2B	X	0	.5
59	MP2B	Z	4.9	.5
60	MP2B	Mx	.002	.5
61	MP2B	X	0	4.5
62	MP2B	Z	4.9	4.5
63	MP2B	Mx	.002	4.5
64	MP2A	X	0	2
65	MP2A	Z	3.309	2
66	MP2A	Mx	0	2
67	MP2C	X	0	2
68	MP2C	Z	2.253	2
69	MP2C	Mx	-.001	2
70	MP3B	X	0	2
71	MP3B	Z	3.182	2
72	MP3B	Mx	.000544	2
73	MP1A	X	0	2
74	MP1A	Z	3.309	2
75	MP1A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	3.157	2
78	MP2B	Mx	.00054	2
79	M103	X	0	2
80	M103	Z	5.551	2
81	M103	Mx	-.001	2
82	MP1C2	X	0	4
83	MP1C2	Z	.665	4
84	MP1C2	Mx	.000164	4
85	MP1C2	X	0	4
86	MP1C2	Z	.665	4
87	MP1C2	Mx	-.000164	4
88	MP1C2	X	0	2
89	MP1C2	Z	2.046	2
90	MP1C2	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-1.749	2.5
2	MP3A	Z	3.03	2.5
3	MP3A	Mx	.000874	2.5
4	MP3A	X	-1.749	4
5	MP3A	Z	3.03	4
6	MP3A	Mx	.000874	4
7	MP3C	X	-.881	2.5
8	MP3C	Z	1.526	2.5
9	MP3C	Mx	.000828	2.5
10	MP3C	X	-.881	4
11	MP3C	Z	1.526	4
12	MP3C	Mx	.000828	4
13	MP4B	X	-1.287	2.5
14	MP4B	Z	2.23	2.5
15	MP4B	Mx	-.000986	2.5
16	MP4B	X	-1.287	4
17	MP4B	Z	2.23	4



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
18	MP4B	Mx	-.000986	4
19	MP3A	X	-.759	7
20	MP3A	Z	1.315	7
21	MP3A	Mx	.00038	7
22	MP3C	X	-.276	7
23	MP3C	Z	.477	7
24	MP3C	Mx	.000259	7
25	MP4B	X	-.502	7
26	MP4B	Z	.869	7
27	MP4B	Mx	-.000384	7
28	MP1C	X	-1.964	.5
29	MP1C	Z	3.401	.5
30	MP1C	Mx	.000949	.5
31	MP1C	X	-1.964	4.5
32	MP1C	Z	3.401	4.5
33	MP1C	Mx	.000949	4.5
34	MP1C	X	-1.964	.5
35	MP1C	Z	3.401	.5
36	MP1C	Mx	.003	.5
37	MP1C	X	-1.964	4.5
38	MP1C	Z	3.401	4.5
39	MP1C	Mx	.003	4.5
40	MP2A	X	-2.366	.5
41	MP2A	Z	4.097	.5
42	MP2A	Mx	.004	.5
43	MP2A	X	-2.366	4.5
44	MP2A	Z	4.097	4.5
45	MP2A	Mx	.004	4.5
46	MP2B	X	-2.152	.5
47	MP2B	Z	3.727	.5
48	MP2B	Mx	-.003	.5
49	MP2B	X	-2.152	4.5
50	MP2B	Z	3.727	4.5
51	MP2B	Mx	-.003	4.5
52	MP2A	X	-2.366	.5
53	MP2A	Z	4.097	.5
54	MP2A	Mx	-.002	.5
55	MP2A	X	-2.366	4.5
56	MP2A	Z	4.097	4.5
57	MP2A	Mx	-.002	4.5
58	MP2B	X	-2.152	.5
59	MP2B	Z	3.727	.5
60	MP2B	Mx	.000196	.5
61	MP2B	X	-2.152	4.5
62	MP2B	Z	3.727	4.5
63	MP2B	Mx	.000196	4.5
64	MP2A	X	-1.518	2
65	MP2A	Z	2.63	2
66	MP2A	Mx	-.000759	2
67	MP2C	X	-1.174	2
68	MP2C	Z	2.033	2
69	MP2C	Mx	-.001	2
70	MP3B	X	-1.335	2
71	MP3B	Z	2.312	2
72	MP3B	Mx	.001	2
73	MP1A	X	-1.492	2
74	MP1A	Z	2.584	2
75	MP1A	Mx	-.000746	2
76	MP2B	X	-1.272	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
77	MP2B	Z	2.204	2
78	MP2B	Mx	.000975	2
79	M103	X	-3.181	2
80	M103	Z	5.51	2
81	M103	Mx	-.000795	2
82	MP1C2	X	-.394	4
83	MP1C2	Z	.683	4
84	MP1C2	Mx	.000185	4
85	MP1C2	X	-.394	4
86	MP1C2	Z	.683	4
87	MP1C2	Mx	-.000185	4
88	MP1C2	X	-1.08	2
89	MP1C2	Z	1.87	2
90	MP1C2	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.842	2.5
2	MP3A	Z	1.063	2.5
3	MP3A	Mx	.000921	2.5
4	MP3A	X	-1.842	4
5	MP3A	Z	1.063	4
6	MP3A	Mx	.000921	4
7	MP3C	X	-2.642	2.5
8	MP3C	Z	1.525	2.5
9	MP3C	Mx	.00098	2.5
10	MP3C	X	-2.642	4
11	MP3C	Z	1.525	4
12	MP3C	Mx	.00098	4
13	MP4B	X	-1.32	2.5
14	MP4B	Z	.762	2.5
15	MP4B	Mx	-.000751	2.5
16	MP4B	X	-1.32	4
17	MP4B	Z	.762	4
18	MP4B	Mx	-.000751	4
19	MP3A	X	-.653	7
20	MP3A	Z	.377	7
21	MP3A	Mx	.000326	7
22	MP3C	X	-1.099	7
23	MP3C	Z	.634	7
24	MP3C	Mx	.000408	7
25	MP4B	X	-.363	7
26	MP4B	Z	.209	7
27	MP4B	Mx	-.000206	7
28	MP1C	X	-3.918	.5
29	MP1C	Z	2.262	.5
30	MP1C	Mx	-.000856	.5
31	MP1C	X	-3.918	4.5
32	MP1C	Z	2.262	4.5
33	MP1C	Mx	-.000856	4.5
34	MP1C	X	-3.918	.5
35	MP1C	Z	2.262	.5
36	MP1C	Mx	.004	.5
37	MP1C	X	-3.918	4.5
38	MP1C	Z	2.262	4.5
39	MP1C	Mx	.004	4.5
40	MP2A	X	-3.547	.5
41	MP2A	Z	2.048	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
42	MP2A	Mx	.003	.5
43	MP2A	X	-3.547	4.5
44	MP2A	Z	2.048	4.5
45	MP2A	Mx	.003	4.5
46	MP2B	X	-3.306	.5
47	MP2B	Z	1.908	.5
48	MP2B	Mx	-.002	.5
49	MP2B	X	-3.306	4.5
50	MP2B	Z	1.908	4.5
51	MP2B	Mx	-.002	4.5
52	MP2A	X	-3.547	.5
53	MP2A	Z	2.048	.5
54	MP2A	Mx	.000408	.5
55	MP2A	X	-3.547	4.5
56	MP2A	Z	2.048	4.5
57	MP2A	Mx	.000408	4.5
58	MP2B	X	-3.306	.5
59	MP2B	Z	1.908	.5
60	MP2B	Mx	-.001	.5
61	MP2B	X	-3.306	4.5
62	MP2B	Z	1.908	4.5
63	MP2B	Mx	-.001	4.5
64	MP2A	X	-2.159	2
65	MP2A	Z	1.246	2
66	MP2A	Mx	-.001	2
67	MP2C	X	-2.476	2
68	MP2C	Z	1.43	2
69	MP2C	Mx	-.000919	2
70	MP3B	X	-1.951	2
71	MP3B	Z	1.127	2
72	MP3B	Mx	.001	2
73	MP1A	X	-2.02	2
74	MP1A	Z	1.166	2
75	MP1A	Mx	-.001	2
76	MP2B	X	-1.772	2
77	MP2B	Z	1.023	2
78	MP2B	Mx	.001	2
79	M103	X	-5.861	2
80	M103	Z	3.384	2
81	M103	Mx	0	2
82	MP1C2	X	-1.264	4
83	MP1C2	Z	.73	4
84	MP1C2	Mx	.000235	4
85	MP1C2	X	-1.264	4
86	MP1C2	Z	.73	4
87	MP1C2	Mx	-.000235	4
88	MP1C2	X	-2.4	2
89	MP1C2	Z	1.385	2
90	MP1C2	Mx	-.00089	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.441	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	.000721	2.5
4	MP3A	X	-1.441	4
5	MP3A	Z	0	4
6	MP3A	Mx	.000721	4



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
7	MP3C	X	-4.102	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	.000356	2.5
10	MP3C	X	-4.102	4
11	MP3C	Z	0	4
12	MP3C	Mx	.000356	4
13	MP4B	X	-1.762	2.5
14	MP4B	Z	0	2.5
15	MP4B	Mx	-.000828	2.5
16	MP4B	X	-1.762	4
17	MP4B	Z	0	4
18	MP4B	Mx	-.000828	4
19	MP3A	X	-.373	7
20	MP3A	Z	0	7
21	MP3A	Mx	.000186	7
22	MP3C	X	-1.854	7
23	MP3C	Z	0	7
24	MP3C	Mx	.000161	7
25	MP4B	X	-.551	7
26	MP4B	Z	0	7
27	MP4B	Mx	-.000259	7
28	MP1C	X	-5.011	.5
29	MP1C	Z	0	.5
30	MP1C	Mx	-.003	.5
31	MP1C	X	-5.011	4.5
32	MP1C	Z	0	4.5
33	MP1C	Mx	-.003	4.5
34	MP1C	X	-5.011	.5
35	MP1C	Z	0	.5
36	MP1C	Mx	.004	.5
37	MP1C	X	-5.011	4.5
38	MP1C	Z	0	4.5
39	MP1C	Mx	.004	4.5
40	MP2A	X	-3.779	.5
41	MP2A	Z	0	.5
42	MP2A	Mx	.002	.5
43	MP2A	X	-3.779	4.5
44	MP2A	Z	0	4.5
45	MP2A	Mx	.002	4.5
46	MP2B	X	-3.927	.5
47	MP2B	Z	0	.5
48	MP2B	Mx	-.00095	.5
49	MP2B	X	-3.927	4.5
50	MP2B	Z	0	4.5
51	MP2B	Mx	-.00095	4.5
52	MP2A	X	-3.779	.5
53	MP2A	Z	0	.5
54	MP2A	Mx	.002	.5
55	MP2A	X	-3.779	4.5
56	MP2A	Z	0	4.5
57	MP2A	Mx	.002	4.5
58	MP2B	X	-3.927	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	-.003	.5
61	MP2B	X	-3.927	4.5
62	MP2B	Z	0	4.5
63	MP2B	Mx	-.003	4.5
64	MP2A	X	-2.22	2
65	MP2A	Z	0	2



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
66	MP2A	Mx	-.001	2
67	MP2C	X	-3.276	2
68	MP2C	Z	0	2
69	MP2C	Mx	-.000284	2
70	MP3B	X	-2.348	2
71	MP3B	Z	0	2
72	MP3B	Mx	.001	2
73	MP1A	X	-2.007	2
74	MP1A	Z	0	2
75	MP1A	Mx	-.001	2
76	MP2B	X	-2.159	2
77	MP2B	Z	0	2
78	MP2B	Mx	.001	2
79	M103	X	-6.362	2
80	M103	Z	0	2
81	M103	Mx	.000795	2
82	MP1C2	X	-2.006	4
83	MP1C2	Z	0	4
84	MP1C2	Mx	8.7e-5	4
85	MP1C2	X	-2.006	4
86	MP1C2	Z	0	4
87	MP1C2	Mx	-8.7e-5	4
88	MP1C2	X	-3.27	2
89	MP1C2	Z	0	2
90	MP1C2	Mx	-.000284	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.842	2.5
2	MP3A	Z	-1.063	2.5
3	MP3A	Mx	.000921	2.5
4	MP3A	X	-1.842	4
5	MP3A	Z	-1.063	4
6	MP3A	Mx	.000921	4
7	MP3C	X	-3.346	2.5
8	MP3C	Z	-1.932	2.5
9	MP3C	Mx	-.000661	2.5
10	MP3C	X	-3.346	4
11	MP3C	Z	-1.932	4
12	MP3C	Mx	-.000661	4
13	MP4B	X	-2.642	2.5
14	MP4B	Z	-1.525	2.5
15	MP4B	Mx	-.000981	2.5
16	MP4B	X	-2.642	4
17	MP4B	Z	-1.525	4
18	MP4B	Mx	-.000981	4
19	MP3A	X	-.653	7
20	MP3A	Z	-.377	7
21	MP3A	Mx	.000326	7
22	MP3C	X	-1.491	7
23	MP3C	Z	-.861	7
24	MP3C	Mx	-.000295	7
25	MP4B	X	-1.099	7
26	MP4B	Z	-.634	7
27	MP4B	Mx	-.000408	7
28	MP1C	X	-4.244	.5
29	MP1C	Z	-2.45	.5
30	MP1C	Mx	-.004	.5

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
31	MP1C	X	-4.244	4.5
32	MP1C	Z	-2.45	4.5
33	MP1C	Mx	-.004	4.5
34	MP1C	X	-4.244	.5
35	MP1C	Z	-2.45	.5
36	MP1C	Mx	.002	.5
37	MP1C	X	-4.244	4.5
38	MP1C	Z	-2.45	4.5
39	MP1C	Mx	.002	4.5
40	MP2A	X	-3.547	.5
41	MP2A	Z	-2.048	.5
42	MP2A	Mx	.000408	.5
43	MP2A	X	-3.547	4.5
44	MP2A	Z	-2.048	4.5
45	MP2A	Mx	.000408	4.5
46	MP2B	X	-3.918	.5
47	MP2B	Z	-2.262	.5
48	MP2B	Mx	.000856	.5
49	MP2B	X	-3.918	4.5
50	MP2B	Z	-2.262	4.5
51	MP2B	Mx	.000856	4.5
52	MP2A	X	-3.547	.5
53	MP2A	Z	-2.048	.5
54	MP2A	Mx	.003	.5
55	MP2A	X	-3.547	4.5
56	MP2A	Z	-2.048	4.5
57	MP2A	Mx	.003	4.5
58	MP2B	X	-3.918	.5
59	MP2B	Z	-2.262	.5
60	MP2B	Mx	-.004	.5
61	MP2B	X	-3.918	4.5
62	MP2B	Z	-2.262	4.5
63	MP2B	Mx	-.004	4.5
64	MP2A	X	-2.159	2
65	MP2A	Z	-1.246	2
66	MP2A	Mx	-.001	2
67	MP2C	X	-2.755	2
68	MP2C	Z	-1.591	2
69	MP2C	Mx	.000544	2
70	MP3B	X	-2.476	2
71	MP3B	Z	-1.43	2
72	MP3B	Mx	.000919	2
73	MP1A	X	-2.02	2
74	MP1A	Z	-1.166	2
75	MP1A	Mx	-.001	2
76	MP2B	X	-2.4	2
77	MP2B	Z	-1.385	2
78	MP2B	Mx	.000891	2
79	M103	X	-4.807	2
80	M103	Z	-2.775	2
81	M103	Mx	.001	2
82	MP1C2	X	-1.63	4
83	MP1C2	Z	-.941	4
84	MP1C2	Mx	-.000161	4
85	MP1C2	X	-1.63	4
86	MP1C2	Z	-.941	4
87	MP1C2	Mx	.000161	4
88	MP1C2	X	-2.734	2
89	MP1C2	Z	-1.578	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
90	MP1C2	Mx	.00054	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.749	2.5
2	MP3A	Z	-3.03	2.5
3	MP3A	Mx	.000874	2.5
4	MP3A	X	-1.749	4
5	MP3A	Z	-3.03	4
6	MP3A	Mx	.000874	4
7	MP3C	X	-1.287	2.5
8	MP3C	Z	-2.23	2.5
9	MP3C	Mx	-.000986	2.5
10	MP3C	X	-1.287	4
11	MP3C	Z	-2.23	4
12	MP3C	Mx	-.000986	4
13	MP4B	X	-2.051	2.5
14	MP4B	Z	-3.552	2.5
15	MP4B	Mx	-.000356	2.5
16	MP4B	X	-2.051	4
17	MP4B	Z	-3.552	4
18	MP4B	Mx	-.000356	4
19	MP3A	X	-.759	7
20	MP3A	Z	-1.315	7
21	MP3A	Mx	.00038	7
22	MP3C	X	-.502	7
23	MP3C	Z	-.869	7
24	MP3C	Mx	-.000384	7
25	MP4B	X	-.927	7
26	MP4B	Z	-1.606	7
27	MP4B	Mx	-.000161	7
28	MP1C	X	-2.152	.5
29	MP1C	Z	-3.727	.5
30	MP1C	Mx	-.003	.5
31	MP1C	X	-2.152	4.5
32	MP1C	Z	-3.727	4.5
33	MP1C	Mx	-.003	4.5
34	MP1C	X	-2.152	.5
35	MP1C	Z	-3.727	.5
36	MP1C	Mx	.000196	.5
37	MP1C	X	-2.152	4.5
38	MP1C	Z	-3.727	4.5
39	MP1C	Mx	.000196	4.5
40	MP2A	X	-2.366	.5
41	MP2A	Z	-4.097	.5
42	MP2A	Mx	-.002	.5
43	MP2A	X	-2.366	4.5
44	MP2A	Z	-4.097	4.5
45	MP2A	Mx	-.002	4.5
46	MP2B	X	-2.505	.5
47	MP2B	Z	-4.339	.5
48	MP2B	Mx	.003	.5
49	MP2B	X	-2.505	4.5
50	MP2B	Z	-4.339	4.5
51	MP2B	Mx	.003	4.5
52	MP2A	X	-2.366	.5
53	MP2A	Z	-4.097	.5
54	MP2A	Mx	.004	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
55	MP2A	X	-2.366	4.5
56	MP2A	Z	-4.097	4.5
57	MP2A	Mx	.004	4.5
58	MP2B	X	-2.505	.5
59	MP2B	Z	-4.339	.5
60	MP2B	Mx	-.004	.5
61	MP2B	X	-2.505	4.5
62	MP2B	Z	-4.339	4.5
63	MP2B	Mx	-.004	4.5
64	MP2A	X	-1.518	2
65	MP2A	Z	-2.63	2
66	MP2A	Mx	-.000759	2
67	MP2C	X	-1.335	2
68	MP2C	Z	-2.312	2
69	MP2C	Mx	.001	2
70	MP3B	X	-1.638	2
71	MP3B	Z	-2.837	2
72	MP3B	Mx	.000284	2
73	MP1A	X	-1.492	2
74	MP1A	Z	-2.584	2
75	MP1A	Mx	-.000746	2
76	MP2B	X	-1.635	2
77	MP2B	Z	-2.832	2
78	MP2B	Mx	.000284	2
79	M103	X	-2.572	2
80	M103	Z	-4.456	2
81	M103	Mx	.001	2
82	MP1C2	X	-.606	4
83	MP1C2	Z	-1.049	4
84	MP1C2	Mx	-.000232	4
85	MP1C2	X	-.606	4
86	MP1C2	Z	-1.049	4
87	MP1C2	Mx	.000232	4
88	MP1C2	X	-1.272	2
89	MP1C2	Z	-2.204	2
90	MP1C2	Mx	.000975	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M82A	Y	-500	%23

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M82A	Y	-500	%93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M82A	Y	-250	0

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M82A	Y	-250	%50

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-1.691	2.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
2	MP3A	My	-.000845	2.5
3	MP3A	Mz	0	2.5
4	MP3A	Y	-1.691	4
5	MP3A	My	-.000845	4
6	MP3A	Mz	0	4
7	MP3C	Y	-1.691	2.5
8	MP3C	My	-.000147	2.5
9	MP3C	Mz	.000833	2.5
10	MP3C	Y	-1.691	4
11	MP3C	My	-.000147	4
12	MP3C	Mz	.000833	4
13	MP4B	Y	-1.691	2.5
14	MP4B	My	.000794	2.5
15	MP4B	Mz	-.000289	2.5
16	MP4B	Y	-1.691	4
17	MP4B	My	.000794	4
18	MP4B	Mz	-.000289	4
19	MP3A	Y	-.171	7
20	MP3A	My	-8.5e-5	7
21	MP3A	Mz	0	7
22	MP3C	Y	-.171	7
23	MP3C	My	-1.5e-5	7
24	MP3C	Mz	8.4e-5	7
25	MP4B	Y	-.171	7
26	MP4B	My	8e-5	7
27	MP4B	Mz	-2.9e-5	7
28	MP1C	Y	-.893	.5
29	MP1C	My	.000509	.5
30	MP1C	Mz	.000543	.5
31	MP1C	Y	-.893	4.5
32	MP1C	My	.000509	4.5
33	MP1C	Mz	.000543	4.5
34	MP1C	Y	-.893	.5
35	MP1C	My	-.000664	.5
36	MP1C	Mz	.000336	.5
37	MP1C	Y	-.893	4.5
38	MP1C	My	-.000664	4.5
39	MP1C	Mz	.000336	4.5
40	MP2A	Y	-.893	.5
41	MP2A	My	-.000447	.5
42	MP2A	Mz	.000595	.5
43	MP2A	Y	-.893	4.5
44	MP2A	My	-.000447	4.5
45	MP2A	Mz	.000595	4.5
46	MP2B	Y	-.893	.5
47	MP2B	My	.000216	.5
48	MP2B	Mz	-.000712	.5
49	MP2B	Y	-.893	4.5
50	MP2B	My	.000216	4.5
51	MP2B	Mz	-.000712	4.5
52	MP2A	Y	-.893	.5
53	MP2A	My	-.000447	.5
54	MP2A	Mz	-.000595	.5
55	MP2A	Y	-.893	4.5
56	MP2A	My	-.000447	4.5
57	MP2A	Mz	-.000595	4.5
58	MP2B	Y	-.893	.5
59	MP2B	My	.000623	.5
60	MP2B	Mz	.000407	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
61	MP2B	Y	- .893	4.5
62	MP2B	My	.000623	4.5
63	MP2B	Mz	.000407	4.5
64	MP2A	Y	-2.9	2
65	MP2A	My	.001	2
66	MP2A	Mz	0	2
67	MP2C	Y	-2.9	2
68	MP2C	My	.000252	2
69	MP2C	Mz	-.001	2
70	MP3B	Y	-2.9	2
71	MP3B	My	-.001	2
72	MP3B	Mz	.000496	2
73	MP1A	Y	-2.73	2
74	MP1A	My	.001	2
75	MP1A	Mz	0	2
76	MP2B	Y	-2.73	2
77	MP2B	My	-.001	2
78	MP2B	Mz	.000467	2
79	M103	Y	-1.242	2
80	M103	My	-.000155	2
81	M103	Mz	-.000269	2
82	MP1C2	Y	-.683	4
83	MP1C2	My	-3e-5	4
84	MP1C2	Mz	.000168	4
85	MP1C2	Y	-.683	4
86	MP1C2	My	3e-5	4
87	MP1C2	Mz	-.000168	4
88	MP1C2	Y	-2.73	2
89	MP1C2	My	.000237	2
90	MP1C2	Mz	-.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Z	-4.227	2.5
2	MP3A	Mx	0	2.5
3	MP3A	Z	-4.227	4
4	MP3A	Mx	0	4
5	MP3C	Z	-4.227	2.5
6	MP3C	Mx	-.002	2.5
7	MP3C	Z	-4.227	4
8	MP3C	Mx	-.002	4
9	MP4B	Z	-4.227	2.5
10	MP4B	Mx	.000723	2.5
11	MP4B	Z	-4.227	4
12	MP4B	Mx	.000723	4
13	MP3A	Z	-.427	7
14	MP3A	Mx	0	7
15	MP3C	Z	-.427	7
16	MP3C	Mx	-.00021	7
17	MP4B	Z	-.427	7
18	MP4B	Mx	7.3e-5	7
19	MP1C	Z	-2.233	.5
20	MP1C	Mx	-.001	.5
21	MP1C	Z	-2.233	4.5
22	MP1C	Mx	-.001	4.5
23	MP1C	Z	-2.233	.5
24	MP1C	Mx	-.000841	.5
25	MP1C	Z	-2.233	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
26	MP1C	Mx	-.000841	4.5
27	MP2A	Z	-2.233	.5
28	MP2A	Mx	-.001	.5
29	MP2A	Z	-2.233	4.5
30	MP2A	Mx	-.001	4.5
31	MP2B	Z	-2.233	.5
32	MP2B	Mx	.002	.5
33	MP2B	Z	-2.233	4.5
34	MP2B	Mx	.002	4.5
35	MP2A	Z	-2.233	.5
36	MP2A	Mx	.001	.5
37	MP2A	Z	-2.233	4.5
38	MP2A	Mx	.001	4.5
39	MP2B	Z	-2.233	.5
40	MP2B	Mx	-.001	.5
41	MP2B	Z	-2.233	4.5
42	MP2B	Mx	-.001	4.5
43	MP2A	Z	-7.251	2
44	MP2A	Mx	0	2
45	MP2C	Z	-7.251	2
46	MP2C	Mx	.004	2
47	MP3B	Z	-7.251	2
48	MP3B	Mx	-.001	2
49	MP1A	Z	-6.824	2
50	MP1A	Mx	0	2
51	MP2B	Z	-6.824	2
52	MP2B	Mx	-.001	2
53	M103	Z	-3.106	2
54	M103	Mx	.000672	2
55	MP1C2	Z	-1.708	4
56	MP1C2	Mx	-.000421	4
57	MP1C2	Z	-1.708	4
58	MP1C2	Mx	.000421	4
59	MP1C2	Z	-6.824	2
60	MP1C2	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	4.227	2.5
2	MP3A	Mx	-.002	2.5
3	MP3A	X	4.227	4
4	MP3A	Mx	-.002	4
5	MP3C	X	4.227	2.5
6	MP3C	Mx	-.000367	2.5
7	MP3C	X	4.227	4
8	MP3C	Mx	-.000367	4
9	MP4B	X	4.227	2.5
10	MP4B	Mx	.002	2.5
11	MP4B	X	4.227	4
12	MP4B	Mx	.002	4
13	MP3A	X	.427	7
14	MP3A	Mx	-.000214	7
15	MP3C	X	.427	7
16	MP3C	Mx	-3.7e-5	7
17	MP4B	X	.427	7
18	MP4B	Mx	.000201	7
19	MP1C	X	2.233	.5
20	MP1C	Mx	.001	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
21	MP1C	X	2.233	4.5
22	MP1C	Mx	.001	4.5
23	MP1C	X	2.233	.5
24	MP1C	Mx	-.002	.5
25	MP1C	X	2.233	4.5
26	MP1C	Mx	-.002	4.5
27	MP2A	X	2.233	.5
28	MP2A	Mx	-.001	.5
29	MP2A	X	2.233	4.5
30	MP2A	Mx	-.001	4.5
31	MP2B	X	2.233	.5
32	MP2B	Mx	.00054	.5
33	MP2B	X	2.233	4.5
34	MP2B	Mx	.00054	4.5
35	MP2A	X	2.233	.5
36	MP2A	Mx	-.001	.5
37	MP2A	X	2.233	4.5
38	MP2A	Mx	-.001	4.5
39	MP2B	X	2.233	.5
40	MP2B	Mx	.002	.5
41	MP2B	X	2.233	4.5
42	MP2B	Mx	.002	4.5
43	MP2A	X	7.251	2
44	MP2A	Mx	.004	2
45	MP2C	X	7.251	2
46	MP2C	Mx	.00063	2
47	MP3B	X	7.251	2
48	MP3B	Mx	-.003	2
49	MP1A	X	6.824	2
50	MP1A	Mx	.003	2
51	MP2B	X	6.824	2
52	MP2B	Mx	-.003	2
53	M103	X	3.106	2
54	M103	Mx	-.000388	2
55	MP1C2	X	1.708	4
56	MP1C2	Mx	-7.4e-5	4
57	MP1C2	X	1.708	4
58	MP1C2	Mx	7.4e-5	4
59	MP1C2	X	6.824	2
60	MP1C2	Mx	.000592	2

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	Y	-6.566	-6.566	0	%100
2	M4	Y	-9.609	-9.609	0	%100
3	M10	Y	-9.609	-9.609	0	%100
4	MP2B	Y	-4.979	-4.979	0	%100
5	MP4B	Y	-4.979	-4.979	0	%100
6	MP1B	Y	-4.979	-4.979	0	%100
7	M43	Y	-9.609	-9.609	0	%100
8	M46	Y	-10.122	-10.122	0	%100
9	M51B	Y	-5.619	-5.619	0	%100
10	M52B	Y	-5.619	-5.619	0	%100
11	M76	Y	-10.109	-10.109	0	%100
12	M77	Y	-10.109	-10.109	0	%100
13	M80	Y	-10.122	-10.122	0	%100
14	M84	Y	-10.109	-10.109	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
15	M85	Y	-10.109	-10.109	0	%100
16	M91	Y	-10.122	-10.122	0	%100
17	M52A	Y	-9.609	-9.609	0	%100
18	M53	Y	-9.609	-9.609	0	%100
19	M54	Y	-9.609	-9.609	0	%100
20	M55	Y	-10.122	-10.122	0	%100
21	M58A	Y	-5.619	-5.619	0	%100
22	M59A	Y	-5.619	-5.619	0	%100
23	M63	Y	-10.109	-10.109	0	%100
24	M64	Y	-10.109	-10.109	0	%100
25	M66	Y	-10.122	-10.122	0	%100
26	M68	Y	-10.109	-10.109	0	%100
27	M69	Y	-10.109	-10.109	0	%100
28	M71	Y	-10.122	-10.122	0	%100
29	M76A	Y	-9.609	-9.609	0	%100
30	M77A	Y	-9.609	-9.609	0	%100
31	M78	Y	-9.609	-9.609	0	%100
32	M79A	Y	-10.122	-10.122	0	%100
33	M82	Y	-5.619	-5.619	0	%100
34	M83A	Y	-5.619	-5.619	0	%100
35	M87	Y	-10.109	-10.109	0	%100
36	M88A	Y	-10.109	-10.109	0	%100
37	M90	Y	-10.122	-10.122	0	%100
38	M92A	Y	-10.109	-10.109	0	%100
39	M93	Y	-10.109	-10.109	0	%100
40	M95	Y	-10.122	-10.122	0	%100
41	M82A	Y	-6.566	-6.566	0	%100
42	M91B	Y	-6.566	-6.566	0	%100
43	MP3B	Y	-4.979	-4.979	0	%100
44	MP3A	Y	-4.979	-4.979	0	%100
45	MP2A	Y	-4.979	-4.979	0	%100
46	MP1A	Y	-4.979	-4.979	0	%100
47	MP6C	Y	-4.979	-4.979	0	%100
48	MP2C	Y	-4.979	-4.979	0	%100
49	MP1C2	Y	-4.979	-4.979	0	%100
50	M103	Y	-4.979	-4.979	0	%100
51	M104	Y	-5.685	-5.685	0	%100
52	M111	Y	-5.685	-5.685	0	%100
53	M112	Y	-5.685	-5.685	0	%100
54	M126	Y	-7.614	-7.614	0	%100
55	M127	Y	-7.614	-7.614	0	%100
56	M128	Y	-7.614	-7.614	0	%100
57	MP1C	Y	-4.979	-4.979	0	%100
58	M125A	Y	-2.51	-2.51	0	%100
59	M126A	Y	-2.51	-2.51	0	%100
60	M131	Y	-2.51	-2.51	0	%100
61	M132	Y	-2.51	-2.51	0	%100
62	MP3C	Y	-4.979	-4.979	0	%100
63	M138	Y	-2.51	-2.51	0	%100
64	M139	Y	-2.51	-2.51	0	%100
65	M144	Y	-2.51	-2.51	0	%100
66	M145	Y	-2.51	-2.51	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.466	-3.466	0	%100
3	M4	X	0	0	0	%100

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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
4	M4	Z	-10.688	-10.688	0 %100
5	M10	X	0	0	0 %100
6	M10	Z	-3.015	-3.015	0 %100
7	MP2B	X	0	0	0 %100
8	MP2B	Z	-9.521	-9.521	0 %100
9	MP4B	X	0	0	0 %100
10	MP4B	Z	-9.521	-9.521	0 %100
11	MP1B	X	0	0	0 %100
12	MP1B	Z	-9.521	-9.521	0 %100
13	M43	X	0	0	0 %100
14	M43	Z	-3.015	-3.015	0 %100
15	M46	X	0	0	0 %100
16	M46	Z	-6.013	-6.013	0 %100
17	M51B	X	0	0	0 %100
18	M51B	Z	-13.356	-13.356	0 %100
19	M52B	X	0	0	0 %100
20	M52B	Z	-3.339	-3.339	0 %100
21	M76	X	0	0	0 %100
22	M76	Z	-18.039	-18.039	0 %100
23	M77	X	0	0	0 %100
24	M77	Z	-24.498	-24.498	0 %100
25	M80	X	0	0	0 %100
26	M80	Z	-25.803	-25.803	0 %100
27	M84	X	0	0	0 %100
28	M84	Z	-18.039	-18.039	0 %100
29	M85	X	0	0	0 %100
30	M85	Z	-6.124	-6.124	0 %100
31	M91	X	0	0	0 %100
32	M91	Z	-6.451	-6.451	0 %100
33	M52A	X	0	0	0 %100
34	M52A	Z	0	0	0 %100
35	M53	X	0	0	0 %100
36	M53	Z	-12.059	-12.059	0 %100
37	M54	X	0	0	0 %100
38	M54	Z	-12.059	-12.059	0 %100
39	M55	X	0	0	0 %100
40	M55	Z	-24.053	-24.053	0 %100
41	M58A	X	0	0	0 %100
42	M58A	Z	-3.339	-3.339	0 %100
43	M59A	X	0	0	0 %100
44	M59A	Z	-3.339	-3.339	0 %100
45	M63	X	0	0	0 %100
46	M63	Z	0	0	0 %100
47	M64	X	0	0	0 %100
48	M64	Z	-6.124	-6.124	0 %100
49	M66	X	0	0	0 %100
50	M66	Z	-6.451	-6.451	0 %100
51	M68	X	0	0	0 %100
52	M68	Z	0	0	0 %100
53	M69	X	0	0	0 %100
54	M69	Z	-6.124	-6.124	0 %100
55	M71	X	0	0	0 %100
56	M71	Z	-6.451	-6.451	0 %100
57	M76A	X	0	0	0 %100
58	M76A	Z	-10.688	-10.688	0 %100
59	M77A	X	0	0	0 %100
60	M77A	Z	-3.015	-3.015	0 %100
61	M78	X	0	0	0 %100
62	M78	Z	-3.015	-3.015	0 %100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft.%)	End Location(ft.%)
63	M79A	X	0	0	0	%100
64	M79A	Z	-6.013	-6.013	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	-3.339	-3.339	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	-13.356	-13.356	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	-18.039	-18.039	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	-6.124	-6.124	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	-6.451	-6.451	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	-18.039	-18.039	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-24.498	-24.498	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	-25.803	-25.803	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	-13.863	-13.863	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	-3.466	-3.466	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	-9.521	-9.521	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	-9.521	-9.521	0	%100
89	MP2A	X	0	0	0	%100
90	MP2A	Z	-9.521	-9.521	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	-9.521	-9.521	0	%100
93	MP6C	X	0	0	0	%100
94	MP6C	Z	-9.521	-9.521	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-9.521	-9.521	0	%100
97	MP1C2	X	0	0	0	%100
98	MP1C2	Z	-9.521	-9.521	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	-8.676	-8.676	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	-2.881	-2.881	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	-11.525	-11.525	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	-2.881	-2.881	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	-3.639	-3.639	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	-14.556	-14.556	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	-3.639	-3.639	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	-9.521	-9.521	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	-1.288	-1.288	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	-1.288	-1.288	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	-1.288	-1.288	0	%100
121	M132	X	0	0	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
122	M132	Z	-1.288	-1.288	0	%100
123	MP3C	X	0	0	0	%100
124	MP3C	Z	-9.521	-9.521	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	-1.288	-1.288	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	-1.288	-1.288	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	-1.288	-1.288	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	-1.288	-1.288	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	7.126	7.126	0	%100
4	M4	Z	-12.342	-12.342	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	4.76	4.76	0	%100
8	MP2B	Z	-8.245	-8.245	0	%100
9	MP4B	X	4.76	4.76	0	%100
10	MP4B	Z	-8.245	-8.245	0	%100
11	MP1B	X	4.76	4.76	0	%100
12	MP1B	Z	-8.245	-8.245	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	5.008	5.008	0	%100
18	M51B	Z	-8.675	-8.675	0	%100
19	M52B	X	5.008	5.008	0	%100
20	M52B	Z	-8.675	-8.675	0	%100
21	M76	X	12.026	12.026	0	%100
22	M76	Z	-20.83	-20.83	0	%100
23	M77	X	9.187	9.187	0	%100
24	M77	Z	-15.912	-15.912	0	%100
25	M80	X	9.676	9.676	0	%100
26	M80	Z	-16.76	-16.76	0	%100
27	M84	X	12.026	12.026	0	%100
28	M84	Z	-20.83	-20.83	0	%100
29	M85	X	9.187	9.187	0	%100
30	M85	Z	-15.912	-15.912	0	%100
31	M91	X	9.676	9.676	0	%100
32	M91	Z	-16.76	-16.76	0	%100
33	M52A	X	1.781	1.781	0	%100
34	M52A	Z	-3.085	-3.085	0	%100
35	M53	X	4.522	4.522	0	%100
36	M53	Z	-7.832	-7.832	0	%100
37	M54	X	4.522	4.522	0	%100
38	M54	Z	-7.832	-7.832	0	%100
39	M55	X	9.02	9.02	0	%100
40	M55	Z	-15.623	-15.623	0	%100
41	M58A	X	5.008	5.008	0	%100
42	M58A	Z	-8.675	-8.675	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
45	M63	X	3.007	3.007	0	%100
46	M63	Z	-5.208	-5.208	0	%100
47	M64	X	9.187	9.187	0	%100
48	M64	Z	-15.912	-15.912	0	%100
49	M66	X	9.676	9.676	0	%100
50	M66	Z	-16.76	-16.76	0	%100
51	M68	X	3.007	3.007	0	%100
52	M68	Z	-5.208	-5.208	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	1.781	1.781	0	%100
58	M76A	Z	-3.085	-3.085	0	%100
59	M77A	X	4.522	4.522	0	%100
60	M77A	Z	-7.832	-7.832	0	%100
61	M78	X	4.522	4.522	0	%100
62	M78	Z	-7.832	-7.832	0	%100
63	M79A	X	9.02	9.02	0	%100
64	M79A	Z	-15.623	-15.623	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	5.008	5.008	0	%100
68	M83A	Z	-8.675	-8.675	0	%100
69	M87	X	3.007	3.007	0	%100
70	M87	Z	-5.208	-5.208	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	3.007	3.007	0	%100
76	M92A	Z	-5.208	-5.208	0	%100
77	M93	X	9.187	9.187	0	%100
78	M93	Z	-15.912	-15.912	0	%100
79	M95	X	9.676	9.676	0	%100
80	M95	Z	-16.76	-16.76	0	%100
81	M82A	X	5.199	5.199	0	%100
82	M82A	Z	-9.004	-9.004	0	%100
83	M91B	X	5.199	5.199	0	%100
84	M91B	Z	-9.004	-9.004	0	%100
85	MP3B	X	4.76	4.76	0	%100
86	MP3B	Z	-8.245	-8.245	0	%100
87	MP3A	X	4.76	4.76	0	%100
88	MP3A	Z	-8.245	-8.245	0	%100
89	MP2A	X	4.76	4.76	0	%100
90	MP2A	Z	-8.245	-8.245	0	%100
91	MP1A	X	4.76	4.76	0	%100
92	MP1A	Z	-8.245	-8.245	0	%100
93	MP6C	X	4.76	4.76	0	%100
94	MP6C	Z	-8.245	-8.245	0	%100
95	MP2C	X	4.76	4.76	0	%100
96	MP2C	Z	-8.245	-8.245	0	%100
97	MP1C2	X	4.76	4.76	0	%100
98	MP1C2	Z	-8.245	-8.245	0	%100
99	M103	X	4.338	4.338	0	%100
100	M103	Z	-7.514	-7.514	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	4.322	4.322	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
104	M111	Z	-7.486	-7.486	0	%100
105	M112	X	4.322	4.322	0	%100
106	M112	Z	-7.486	-7.486	0	%100
107	M126	X	5.459	5.459	0	%100
108	M126	Z	-9.454	-9.454	0	%100
109	M127	X	5.459	5.459	0	%100
110	M127	Z	-9.454	-9.454	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	4.76	4.76	0	%100
114	MP1C	Z	-8.245	-8.245	0	%100
115	M125A	X	.215	.215	0	%100
116	M125A	Z	-.372	-.372	0	%100
117	M126A	X	.215	.215	0	%100
118	M126A	Z	-.372	-.372	0	%100
119	M131	X	.215	.215	0	%100
120	M131	Z	-.372	-.372	0	%100
121	M132	X	.215	.215	0	%100
122	M132	Z	-.372	-.372	0	%100
123	MP3C	X	4.76	4.76	0	%100
124	MP3C	Z	-8.245	-8.245	0	%100
125	M138	X	.215	.215	0	%100
126	M138	Z	-.372	-.372	0	%100
127	M139	X	.215	.215	0	%100
128	M139	Z	-.372	-.372	0	%100
129	M144	X	.215	.215	0	%100
130	M144	Z	-.372	-.372	0	%100
131	M145	X	.215	.215	0	%100
132	M145	Z	-.372	-.372	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	3.001	3.001	0	%100
2	M1	Z	-1.733	-1.733	0	%100
3	M4	X	9.256	9.256	0	%100
4	M4	Z	-5.344	-5.344	0	%100
5	M10	X	2.611	2.611	0	%100
6	M10	Z	-1.507	-1.507	0	%100
7	MP2B	X	8.245	8.245	0	%100
8	MP2B	Z	-4.76	-4.76	0	%100
9	MP4B	X	8.245	8.245	0	%100
10	MP4B	Z	-4.76	-4.76	0	%100
11	MP1B	X	8.245	8.245	0	%100
12	MP1B	Z	-4.76	-4.76	0	%100
13	M43	X	2.611	2.611	0	%100
14	M43	Z	-1.507	-1.507	0	%100
15	M46	X	5.208	5.208	0	%100
16	M46	Z	-3.007	-3.007	0	%100
17	M51B	X	2.892	2.892	0	%100
18	M51B	Z	-1.669	-1.669	0	%100
19	M52B	X	11.567	11.567	0	%100
20	M52B	Z	-6.678	-6.678	0	%100
21	M76	X	15.623	15.623	0	%100
22	M76	Z	-9.02	-9.02	0	%100
23	M77	X	5.304	5.304	0	%100
24	M77	Z	-3.062	-3.062	0	%100
25	M80	X	5.587	5.587	0	%100
26	M80	Z	-3.225	-3.225	0	%100



Company  
Designer  
Job Number  
Model Name

July 19, 2023  
9:53 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
27	M84	X	15.623	15.623	0	%100
28	M84	Z	-9.02	-9.02	0	%100
29	M85	X	21.216	21.216	0	%100
30	M85	Z	-12.249	-12.249	0	%100
31	M91	X	22.346	22.346	0	%100
32	M91	Z	-12.902	-12.902	0	%100
33	M52A	X	9.256	9.256	0	%100
34	M52A	Z	-5.344	-5.344	0	%100
35	M53	X	2.611	2.611	0	%100
36	M53	Z	-1.507	-1.507	0	%100
37	M54	X	2.611	2.611	0	%100
38	M54	Z	-1.507	-1.507	0	%100
39	M55	X	5.208	5.208	0	%100
40	M55	Z	-3.007	-3.007	0	%100
41	M58A	X	11.567	11.567	0	%100
42	M58A	Z	-6.678	-6.678	0	%100
43	M59A	X	2.892	2.892	0	%100
44	M59A	Z	-1.669	-1.669	0	%100
45	M63	X	15.623	15.623	0	%100
46	M63	Z	-9.02	-9.02	0	%100
47	M64	X	21.216	21.216	0	%100
48	M64	Z	-12.249	-12.249	0	%100
49	M66	X	22.346	22.346	0	%100
50	M66	Z	-12.902	-12.902	0	%100
51	M68	X	15.623	15.623	0	%100
52	M68	Z	-9.02	-9.02	0	%100
53	M69	X	5.304	5.304	0	%100
54	M69	Z	-3.062	-3.062	0	%100
55	M71	X	5.587	5.587	0	%100
56	M71	Z	-3.225	-3.225	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	10.443	10.443	0	%100
60	M77A	Z	-6.029	-6.029	0	%100
61	M78	X	10.443	10.443	0	%100
62	M78	Z	-6.029	-6.029	0	%100
63	M79A	X	20.83	20.83	0	%100
64	M79A	Z	-12.026	-12.026	0	%100
65	M82	X	2.892	2.892	0	%100
66	M82	Z	-1.669	-1.669	0	%100
67	M83A	X	2.892	2.892	0	%100
68	M83A	Z	-1.669	-1.669	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	5.304	5.304	0	%100
72	M88A	Z	-3.062	-3.062	0	%100
73	M90	X	5.587	5.587	0	%100
74	M90	Z	-3.225	-3.225	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	5.304	5.304	0	%100
78	M93	Z	-3.062	-3.062	0	%100
79	M95	X	5.587	5.587	0	%100
80	M95	Z	-3.225	-3.225	0	%100
81	M82A	X	3.001	3.001	0	%100
82	M82A	Z	-1.733	-1.733	0	%100
83	M91B	X	12.006	12.006	0	%100
84	M91B	Z	-6.931	-6.931	0	%100
85	MP3B	X	8.245	8.245	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
86	MP3B	Z	-4.76	-4.76	0	%100
87	MP3A	X	8.245	8.245	0	%100
88	MP3A	Z	-4.76	-4.76	0	%100
89	MP2A	X	8.245	8.245	0	%100
90	MP2A	Z	-4.76	-4.76	0	%100
91	MP1A	X	8.245	8.245	0	%100
92	MP1A	Z	-4.76	-4.76	0	%100
93	MP6C	X	8.245	8.245	0	%100
94	MP6C	Z	-4.76	-4.76	0	%100
95	MP2C	X	8.245	8.245	0	%100
96	MP2C	Z	-4.76	-4.76	0	%100
97	MP1C2	X	8.245	8.245	0	%100
98	MP1C2	Z	-4.76	-4.76	0	%100
99	M103	X	7.514	7.514	0	%100
100	M103	Z	-4.338	-4.338	0	%100
101	M104	X	2.495	2.495	0	%100
102	M104	Z	-1.441	-1.441	0	%100
103	M111	X	2.495	2.495	0	%100
104	M111	Z	-1.441	-1.441	0	%100
105	M112	X	9.981	9.981	0	%100
106	M112	Z	-5.763	-5.763	0	%100
107	M126	X	12.606	12.606	0	%100
108	M126	Z	-7.278	-7.278	0	%100
109	M127	X	3.151	3.151	0	%100
110	M127	Z	-1.82	-1.82	0	%100
111	M128	X	3.151	3.151	0	%100
112	M128	Z	-1.82	-1.82	0	%100
113	MP1C	X	8.245	8.245	0	%100
114	MP1C	Z	-4.76	-4.76	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	8.245	8.245	0	%100
124	MP3C	Z	-4.76	-4.76	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	10.397	10.397	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	3.563	3.563	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	9.044	9.044	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	9.521	9.521	0	%100
8	MP2B	Z	0	0	0	%100



Company  
Designer  
Job Number  
Model Name

July 19, 2023  
9:53 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
9	MP4B	X	9.521	9.521	0	%100
10	MP4B	Z	0	0	0	%100
11	MP1B	X	9.521	9.521	0	%100
12	MP1B	Z	0	0	0	%100
13	M43	X	9.044	9.044	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	18.039	18.039	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	10.017	10.017	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	6.013	6.013	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	6.013	6.013	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	18.373	18.373	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	19.352	19.352	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	14.251	14.251	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	10.017	10.017	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	10.017	10.017	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	24.053	24.053	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	18.373	18.373	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	19.352	19.352	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	24.053	24.053	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	18.373	18.373	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	19.352	19.352	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	3.563	3.563	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	9.044	9.044	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	9.044	9.044	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	18.039	18.039	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	10.017	10.017	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	0	0	0	%100

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

Member Label	Direction	Start Magnitude lb/ft...	End Magnitude lb/ft....	Start Location ft, %	End Location ft, %
68	M83A	Z	0	0	0 %100
69	M87	X	6.013	6.013	0 %100
70	M87	Z	0	0	0 %100
71	M88A	X	18.373	18.373	0 %100
72	M88A	Z	0	0	0 %100
73	M90	X	19.352	19.352	0 %100
74	M90	Z	0	0	0 %100
75	M92A	X	6.013	6.013	0 %100
76	M92A	Z	0	0	0 %100
77	M93	X	0	0	0 %100
78	M93	Z	0	0	0 %100
79	M95	X	0	0	0 %100
80	M95	Z	0	0	0 %100
81	M82A	X	0	0	0 %100
82	M82A	Z	0	0	0 %100
83	M91B	X	10.397	10.397	0 %100
84	M91B	Z	0	0	0 %100
85	MP3B	X	9.521	9.521	0 %100
86	MP3B	Z	0	0	0 %100
87	MP3A	X	9.521	9.521	0 %100
88	MP3A	Z	0	0	0 %100
89	MP2A	X	9.521	9.521	0 %100
90	MP2A	Z	0	0	0 %100
91	MP1A	X	9.521	9.521	0 %100
92	MP1A	Z	0	0	0 %100
93	MP6C	X	9.521	9.521	0 %100
94	MP6C	Z	0	0	0 %100
95	MP2C	X	9.521	9.521	0 %100
96	MP2C	Z	0	0	0 %100
97	MP1C2	X	9.521	9.521	0 %100
98	MP1C2	Z	0	0	0 %100
99	M103	X	8.676	8.676	0 %100
100	M103	Z	0	0	0 %100
101	M104	X	8.644	8.644	0 %100
102	M104	Z	0	0	0 %100
103	M111	X	0	0	0 %100
104	M111	Z	0	0	0 %100
105	M112	X	8.644	8.644	0 %100
106	M112	Z	0	0	0 %100
107	M126	X	10.917	10.917	0 %100
108	M126	Z	0	0	0 %100
109	M127	X	0	0	0 %100
110	M127	Z	0	0	0 %100
111	M128	X	10.917	10.917	0 %100
112	M128	Z	0	0	0 %100
113	MP1C	X	9.521	9.521	0 %100
114	MP1C	Z	0	0	0 %100
115	M125A	X	.429	.429	0 %100
116	M125A	Z	0	0	0 %100
117	M126A	X	.429	.429	0 %100
118	M126A	Z	0	0	0 %100
119	M131	X	.429	.429	0 %100
120	M131	Z	0	0	0 %100
121	M132	X	.429	.429	0 %100
122	M132	Z	0	0	0 %100
123	MP3C	X	9.521	9.521	0 %100
124	MP3C	Z	0	0	0 %100
125	M138	X	.429	.429	0 %100
126	M138	Z	0	0	0 %100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
127	M139	X	.429	.429	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	.429	.429	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	.429	.429	0	%100
132	M145	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....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	12.006	12.006	0	%100
2	M1	Z	6.931	6.931	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	10.443	10.443	0	%100
6	M10	Z	6.029	6.029	0	%100
7	MP2B	X	8.245	8.245	0	%100
8	MP2B	Z	4.76	4.76	0	%100
9	MP4B	X	8.245	8.245	0	%100
10	MP4B	Z	4.76	4.76	0	%100
11	MP1B	X	8.245	8.245	0	%100
12	MP1B	Z	4.76	4.76	0	%100
13	M43	X	10.443	10.443	0	%100
14	M43	Z	6.029	6.029	0	%100
15	M46	X	20.83	20.83	0	%100
16	M46	Z	12.026	12.026	0	%100
17	M51B	X	2.892	2.892	0	%100
18	M51B	Z	1.669	1.669	0	%100
19	M52B	X	2.892	2.892	0	%100
20	M52B	Z	1.669	1.669	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	5.304	5.304	0	%100
24	M77	Z	3.062	3.062	0	%100
25	M80	X	5.587	5.587	0	%100
26	M80	Z	3.225	3.225	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	5.304	5.304	0	%100
30	M85	Z	3.062	3.062	0	%100
31	M91	X	5.587	5.587	0	%100
32	M91	Z	3.225	3.225	0	%100
33	M52A	X	9.256	9.256	0	%100
34	M52A	Z	5.344	5.344	0	%100
35	M53	X	2.611	2.611	0	%100
36	M53	Z	1.507	1.507	0	%100
37	M54	X	2.611	2.611	0	%100
38	M54	Z	1.507	1.507	0	%100
39	M55	X	5.208	5.208	0	%100
40	M55	Z	3.007	3.007	0	%100
41	M58A	X	2.892	2.892	0	%100
42	M58A	Z	1.669	1.669	0	%100
43	M59A	X	11.567	11.567	0	%100
44	M59A	Z	6.678	6.678	0	%100
45	M63	X	15.623	15.623	0	%100
46	M63	Z	9.02	9.02	0	%100
47	M64	X	5.304	5.304	0	%100
48	M64	Z	3.062	3.062	0	%100
49	M66	X	5.587	5.587	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft...	End Magnitude(lb/ft...	Start Location(ft,%)	End Location(ft,%)
50	M66	Z	3.225	3.225	0	%100
51	M68	X	15.623	15.623	0	%100
52	M68	Z	9.02	9.02	0	%100
53	M69	X	21.216	21.216	0	%100
54	M69	Z	12.249	12.249	0	%100
55	M71	X	22.346	22.346	0	%100
56	M71	Z	12.902	12.902	0	%100
57	M76A	X	9.256	9.256	0	%100
58	M76A	Z	5.344	5.344	0	%100
59	M77A	X	2.611	2.611	0	%100
60	M77A	Z	1.507	1.507	0	%100
61	M78	X	2.611	2.611	0	%100
62	M78	Z	1.507	1.507	0	%100
63	M79A	X	5.208	5.208	0	%100
64	M79A	Z	3.007	3.007	0	%100
65	M82	X	11.567	11.567	0	%100
66	M82	Z	6.678	6.678	0	%100
67	M83A	X	2.892	2.892	0	%100
68	M83A	Z	1.669	1.669	0	%100
69	M87	X	15.623	15.623	0	%100
70	M87	Z	9.02	9.02	0	%100
71	M88A	X	21.216	21.216	0	%100
72	M88A	Z	12.249	12.249	0	%100
73	M90	X	22.346	22.346	0	%100
74	M90	Z	12.902	12.902	0	%100
75	M92A	X	15.623	15.623	0	%100
76	M92A	Z	9.02	9.02	0	%100
77	M93	X	5.304	5.304	0	%100
78	M93	Z	3.062	3.062	0	%100
79	M95	X	5.587	5.587	0	%100
80	M95	Z	3.225	3.225	0	%100
81	M82A	X	3.001	3.001	0	%100
82	M82A	Z	1.733	1.733	0	%100
83	M91B	X	3.001	3.001	0	%100
84	M91B	Z	1.733	1.733	0	%100
85	MP3B	X	8.245	8.245	0	%100
86	MP3B	Z	4.76	4.76	0	%100
87	MP3A	X	8.245	8.245	0	%100
88	MP3A	Z	4.76	4.76	0	%100
89	MP2A	X	8.245	8.245	0	%100
90	MP2A	Z	4.76	4.76	0	%100
91	MP1A	X	8.245	8.245	0	%100
92	MP1A	Z	4.76	4.76	0	%100
93	MP6C	X	8.245	8.245	0	%100
94	MP6C	Z	4.76	4.76	0	%100
95	MP2C	X	8.245	8.245	0	%100
96	MP2C	Z	4.76	4.76	0	%100
97	MP1C2	X	8.245	8.245	0	%100
98	MP1C2	Z	4.76	4.76	0	%100
99	M103	X	7.514	7.514	0	%100
100	M103	Z	4.338	4.338	0	%100
101	M104	X	9.981	9.981	0	%100
102	M104	Z	5.763	5.763	0	%100
103	M111	X	2.495	2.495	0	%100
104	M111	Z	1.441	1.441	0	%100
105	M112	X	2.495	2.495	0	%100
106	M112	Z	1.441	1.441	0	%100
107	M126	X	3.151	3.151	0	%100
108	M126	Z	1.82	1.82	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft.%)	End Location(ft.%)
109	M127	X	3.151	3.151	0	%100
110	M127	Z	1.82	1.82	0	%100
111	M128	X	12.606	12.606	0	%100
112	M128	Z	7.278	7.278	0	%100
113	MP1C	X	8.245	8.245	0	%100
114	MP1C	Z	4.76	4.76	0	%100
115	M125A	X	1.115	1.115	0	%100
116	M125A	Z	.644	.644	0	%100
117	M126A	X	1.115	1.115	0	%100
118	M126A	Z	.644	.644	0	%100
119	M131	X	1.115	1.115	0	%100
120	M131	Z	.644	.644	0	%100
121	M132	X	1.115	1.115	0	%100
122	M132	Z	.644	.644	0	%100
123	MP3C	X	8.245	8.245	0	%100
124	MP3C	Z	4.76	4.76	0	%100
125	M138	X	1.115	1.115	0	%100
126	M138	Z	.644	.644	0	%100
127	M139	X	1.115	1.115	0	%100
128	M139	Z	.644	.644	0	%100
129	M144	X	1.115	1.115	0	%100
130	M144	Z	.644	.644	0	%100
131	M145	X	1.115	1.115	0	%100
132	M145	Z	.644	.644	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft.%)	End Location(ft.%)
1	M1	X	5.199	5.199	0	%100
2	M1	Z	9.004	9.004	0	%100
3	M4	X	1.781	1.781	0	%100
4	M4	Z	3.085	3.085	0	%100
5	M10	X	4.522	4.522	0	%100
6	M10	Z	7.832	7.832	0	%100
7	MP2B	X	4.76	4.76	0	%100
8	MP2B	Z	8.245	8.245	0	%100
9	MP4B	X	4.76	4.76	0	%100
10	MP4B	Z	8.245	8.245	0	%100
11	MP1B	X	4.76	4.76	0	%100
12	MP1B	Z	8.245	8.245	0	%100
13	M43	X	4.522	4.522	0	%100
14	M43	Z	7.832	7.832	0	%100
15	M46	X	9.02	9.02	0	%100
16	M46	Z	15.623	15.623	0	%100
17	M51B	X	5.008	5.008	0	%100
18	M51B	Z	8.675	8.675	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	3.007	3.007	0	%100
22	M76	Z	5.208	5.208	0	%100
23	M77	X	9.187	9.187	0	%100
24	M77	Z	15.912	15.912	0	%100
25	M80	X	9.676	9.676	0	%100
26	M80	Z	16.76	16.76	0	%100
27	M84	X	3.007	3.007	0	%100
28	M84	Z	5.208	5.208	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
32	M91	Z	0	0	0	%100
33	M52A	X	1.781	1.781	0	%100
34	M52A	Z	3.085	3.085	0	%100
35	M53	X	4.522	4.522	0	%100
36	M53	Z	7.832	7.832	0	%100
37	M54	X	4.522	4.522	0	%100
38	M54	Z	7.832	7.832	0	%100
39	M55	X	9.02	9.02	0	%100
40	M55	Z	15.623	15.623	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	5.008	5.008	0	%100
44	M59A	Z	8.675	8.675	0	%100
45	M63	X	3.007	3.007	0	%100
46	M63	Z	5.208	5.208	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	3.007	3.007	0	%100
52	M68	Z	5.208	5.208	0	%100
53	M69	X	9.187	9.187	0	%100
54	M69	Z	15.912	15.912	0	%100
55	M71	X	9.676	9.676	0	%100
56	M71	Z	16.76	16.76	0	%100
57	M76A	X	7.126	7.126	0	%100
58	M76A	Z	12.342	12.342	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	5.008	5.008	0	%100
66	M82	Z	8.675	8.675	0	%100
67	M83A	X	5.008	5.008	0	%100
68	M83A	Z	8.675	8.675	0	%100
69	M87	X	12.026	12.026	0	%100
70	M87	Z	20.83	20.83	0	%100
71	M88A	X	9.187	9.187	0	%100
72	M88A	Z	15.912	15.912	0	%100
73	M90	X	9.676	9.676	0	%100
74	M90	Z	16.76	16.76	0	%100
75	M92A	X	12.026	12.026	0	%100
76	M92A	Z	20.83	20.83	0	%100
77	M93	X	9.187	9.187	0	%100
78	M93	Z	15.912	15.912	0	%100
79	M95	X	9.676	9.676	0	%100
80	M95	Z	16.76	16.76	0	%100
81	M82A	X	5.199	5.199	0	%100
82	M82A	Z	9.004	9.004	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	4.76	4.76	0	%100
86	MP3B	Z	8.245	8.245	0	%100
87	MP3A	X	4.76	4.76	0	%100
88	MP3A	Z	8.245	8.245	0	%100
89	MP2A	X	4.76	4.76	0	%100
90	MP2A	Z	8.245	8.245	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
91	MP1A	X	4.76	4.76	0	%100
92	MP1A	Z	8.245	8.245	0	%100
93	MP6C	X	4.76	4.76	0	%100
94	MP6C	Z	8.245	8.245	0	%100
95	MP2C	X	4.76	4.76	0	%100
96	MP2C	Z	8.245	8.245	0	%100
97	MP1C2	X	4.76	4.76	0	%100
98	MP1C2	Z	8.245	8.245	0	%100
99	M103	X	4.338	4.338	0	%100
100	M103	Z	7.514	7.514	0	%100
101	M104	X	4.322	4.322	0	%100
102	M104	Z	7.486	7.486	0	%100
103	M111	X	4.322	4.322	0	%100
104	M111	Z	7.486	7.486	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	5.459	5.459	0	%100
110	M127	Z	9.454	9.454	0	%100
111	M128	X	5.459	5.459	0	%100
112	M128	Z	9.454	9.454	0	%100
113	MP1C	X	4.76	4.76	0	%100
114	MP1C	Z	8.245	8.245	0	%100
115	M125A	X	.858	.858	0	%100
116	M125A	Z	1.487	1.487	0	%100
117	M126A	X	.858	.858	0	%100
118	M126A	Z	1.487	1.487	0	%100
119	M131	X	.858	.858	0	%100
120	M131	Z	1.487	1.487	0	%100
121	M132	X	.858	.858	0	%100
122	M132	Z	1.487	1.487	0	%100
123	MP3C	X	4.76	4.76	0	%100
124	MP3C	Z	8.245	8.245	0	%100
125	M138	X	.858	.858	0	%100
126	M138	Z	1.487	1.487	0	%100
127	M139	X	.858	.858	0	%100
128	M139	Z	1.487	1.487	0	%100
129	M144	X	.858	.858	0	%100
130	M144	Z	1.487	1.487	0	%100
131	M145	X	.858	.858	0	%100
132	M145	Z	1.487	1.487	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	3.466	3.466	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	10.688	10.688	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.015	3.015	0	%100
7	MP2B	X	0	0	0	%100
8	MP2B	Z	9.521	9.521	0	%100
9	MP4B	X	0	0	0	%100
10	MP4B	Z	9.521	9.521	0	%100
11	MP1B	X	0	0	0	%100
12	MP1B	Z	9.521	9.521	0	%100
13	M43	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude lb/ft....	End Magnitude lb/ft....	Start Location ft, %	End Location ft, %
14	M43	Z	3.015	3.015	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	6.013	6.013	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	13.356	13.356	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	3.339	3.339	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	18.039	18.039	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	24.498	24.498	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	25.803	25.803	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	18.039	18.039	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	6.124	6.124	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	6.451	6.451	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	12.059	12.059	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	12.059	12.059	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	24.053	24.053	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	3.339	3.339	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	3.339	3.339	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	6.124	6.124	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	6.451	6.451	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	6.124	6.124	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	6.451	6.451	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	10.688	10.688	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	3.015	3.015	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	3.015	3.015	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	6.013	6.013	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	3.339	3.339	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	13.356	13.356	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	18.039	18.039	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	6.124	6.124	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
73	M90	X	0	0	0	%100
74	M90	Z	6.451	6.451	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	18.039	18.039	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	24.498	24.498	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	25.803	25.803	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	13.863	13.863	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	3.466	3.466	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	9.521	9.521	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	9.521	9.521	0	%100
89	MP2A	X	0	0	0	%100
90	MP2A	Z	9.521	9.521	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	9.521	9.521	0	%100
93	MP6C	X	0	0	0	%100
94	MP6C	Z	9.521	9.521	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	9.521	9.521	0	%100
97	MP1C2	X	0	0	0	%100
98	MP1C2	Z	9.521	9.521	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	8.676	8.676	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	2.881	2.881	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	11.525	11.525	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	2.881	2.881	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	3.639	3.639	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	14.556	14.556	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	3.639	3.639	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	9.521	9.521	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	1.288	1.288	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	1.288	1.288	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	1.288	1.288	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	1.288	1.288	0	%100
123	MP3C	X	0	0	0	%100
124	MP3C	Z	9.521	9.521	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	1.288	1.288	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	1.288	1.288	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	1.288	1.288	0	%100
131	M145	X	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft.%]	End Location[ft.%]
132	M145	Z	1.288	1.288	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	%100
2	M1	Z	0	0	%100
3	M4	X	-7.126	-7.126	0 %100
4	M4	Z	12.342	12.342	0 %100
5	M10	X	0	0	0 %100
6	M10	Z	0	0	0 %100
7	MP2B	X	-4.76	-4.76	0 %100
8	MP2B	Z	8.245	8.245	0 %100
9	MP4B	X	-4.76	-4.76	0 %100
10	MP4B	Z	8.245	8.245	0 %100
11	MP1B	X	-4.76	-4.76	0 %100
12	MP1B	Z	8.245	8.245	0 %100
13	M43	X	0	0	0 %100
14	M43	Z	0	0	0 %100
15	M46	X	0	0	0 %100
16	M46	Z	0	0	0 %100
17	M51B	X	-5.008	-5.008	0 %100
18	M51B	Z	8.675	8.675	0 %100
19	M52B	X	-5.008	-5.008	0 %100
20	M52B	Z	8.675	8.675	0 %100
21	M76	X	-12.026	-12.026	0 %100
22	M76	Z	20.83	20.83	0 %100
23	M77	X	-9.187	-9.187	0 %100
24	M77	Z	15.912	15.912	0 %100
25	M80	X	-9.676	-9.676	0 %100
26	M80	Z	16.76	16.76	0 %100
27	M84	X	-12.026	-12.026	0 %100
28	M84	Z	20.83	20.83	0 %100
29	M85	X	-9.187	-9.187	0 %100
30	M85	Z	15.912	15.912	0 %100
31	M91	X	-9.676	-9.676	0 %100
32	M91	Z	16.76	16.76	0 %100
33	M52A	X	-1.781	-1.781	0 %100
34	M52A	Z	3.085	3.085	0 %100
35	M53	X	-4.522	-4.522	0 %100
36	M53	Z	7.832	7.832	0 %100
37	M54	X	-4.522	-4.522	0 %100
38	M54	Z	7.832	7.832	0 %100
39	M55	X	-9.02	-9.02	0 %100
40	M55	Z	15.623	15.623	0 %100
41	M58A	X	-5.008	-5.008	0 %100
42	M58A	Z	8.675	8.675	0 %100
43	M59A	X	0	0	0 %100
44	M59A	Z	0	0	0 %100
45	M63	X	-3.007	-3.007	0 %100
46	M63	Z	5.208	5.208	0 %100
47	M64	X	-9.187	-9.187	0 %100
48	M64	Z	15.912	15.912	0 %100
49	M66	X	-9.676	-9.676	0 %100
50	M66	Z	16.76	16.76	0 %100
51	M68	X	-3.007	-3.007	0 %100
52	M68	Z	5.208	5.208	0 %100
53	M69	X	0	0	0 %100
54	M69	Z	0	0	0 %100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	-1.781	-1.781	0	%100
58	M76A	Z	3.085	3.085	0	%100
59	M77A	X	-4.522	-4.522	0	%100
60	M77A	Z	7.832	7.832	0	%100
61	M78	X	-4.522	-4.522	0	%100
62	M78	Z	7.832	7.832	0	%100
63	M79A	X	-9.02	-9.02	0	%100
64	M79A	Z	15.623	15.623	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	-5.008	-5.008	0	%100
68	M83A	Z	8.675	8.675	0	%100
69	M87	X	-3.007	-3.007	0	%100
70	M87	Z	5.208	5.208	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	-3.007	-3.007	0	%100
76	M92A	Z	5.208	5.208	0	%100
77	M93	X	-9.187	-9.187	0	%100
78	M93	Z	15.912	15.912	0	%100
79	M95	X	-9.676	-9.676	0	%100
80	M95	Z	16.76	16.76	0	%100
81	M82A	X	-5.199	-5.199	0	%100
82	M82A	Z	9.004	9.004	0	%100
83	M91B	X	-5.199	-5.199	0	%100
84	M91B	Z	9.004	9.004	0	%100
85	MP3B	X	-4.76	-4.76	0	%100
86	MP3B	Z	8.245	8.245	0	%100
87	MP3A	X	-4.76	-4.76	0	%100
88	MP3A	Z	8.245	8.245	0	%100
89	MP2A	X	-4.76	-4.76	0	%100
90	MP2A	Z	8.245	8.245	0	%100
91	MP1A	X	-4.76	-4.76	0	%100
92	MP1A	Z	8.245	8.245	0	%100
93	MP6C	X	-4.76	-4.76	0	%100
94	MP6C	Z	8.245	8.245	0	%100
95	MP2C	X	-4.76	-4.76	0	%100
96	MP2C	Z	8.245	8.245	0	%100
97	MP1C2	X	-4.76	-4.76	0	%100
98	MP1C2	Z	8.245	8.245	0	%100
99	M103	X	-4.338	-4.338	0	%100
100	M103	Z	7.514	7.514	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	-4.322	-4.322	0	%100
104	M111	Z	7.486	7.486	0	%100
105	M112	X	-4.322	-4.322	0	%100
106	M112	Z	7.486	7.486	0	%100
107	M126	X	-5.459	-5.459	0	%100
108	M126	Z	9.454	9.454	0	%100
109	M127	X	-5.459	-5.459	0	%100
110	M127	Z	9.454	9.454	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	-4.76	-4.76	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
114	MP1C	Z	8.245	8.245	0	%100
115	M125A	X	-.215	-.215	0	%100
116	M125A	Z	.372	.372	0	%100
117	M126A	X	-.215	-.215	0	%100
118	M126A	Z	.372	.372	0	%100
119	M131	X	-.215	-.215	0	%100
120	M131	Z	.372	.372	0	%100
121	M132	X	-.215	-.215	0	%100
122	M132	Z	.372	.372	0	%100
123	MP3C	X	-4.76	-4.76	0	%100
124	MP3C	Z	8.245	8.245	0	%100
125	M138	X	-.215	-.215	0	%100
126	M138	Z	.372	.372	0	%100
127	M139	X	-.215	-.215	0	%100
128	M139	Z	.372	.372	0	%100
129	M144	X	-.215	-.215	0	%100
130	M144	Z	.372	.372	0	%100
131	M145	X	-.215	-.215	0	%100
132	M145	Z	.372	.372	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-3.001	-3.001	0	%100
2	M1	Z	1.733	1.733	0	%100
3	M4	X	-9.256	-9.256	0	%100
4	M4	Z	5.344	5.344	0	%100
5	M10	X	-2.611	-2.611	0	%100
6	M10	Z	1.507	1.507	0	%100
7	MP2B	X	-8.245	-8.245	0	%100
8	MP2B	Z	4.76	4.76	0	%100
9	MP4B	X	-8.245	-8.245	0	%100
10	MP4B	Z	4.76	4.76	0	%100
11	MP1B	X	-8.245	-8.245	0	%100
12	MP1B	Z	4.76	4.76	0	%100
13	M43	X	-2.611	-2.611	0	%100
14	M43	Z	1.507	1.507	0	%100
15	M46	X	-5.208	-5.208	0	%100
16	M46	Z	3.007	3.007	0	%100
17	M51B	X	-2.892	-2.892	0	%100
18	M51B	Z	1.669	1.669	0	%100
19	M52B	X	-11.567	-11.567	0	%100
20	M52B	Z	6.678	6.678	0	%100
21	M76	X	-15.623	-15.623	0	%100
22	M76	Z	9.02	9.02	0	%100
23	M77	X	-5.304	-5.304	0	%100
24	M77	Z	3.062	3.062	0	%100
25	M80	X	-5.587	-5.587	0	%100
26	M80	Z	3.225	3.225	0	%100
27	M84	X	-15.623	-15.623	0	%100
28	M84	Z	9.02	9.02	0	%100
29	M85	X	-21.216	-21.216	0	%100
30	M85	Z	12.249	12.249	0	%100
31	M91	X	-22.346	-22.346	0	%100
32	M91	Z	12.902	12.902	0	%100
33	M52A	X	-9.256	-9.256	0	%100
34	M52A	Z	5.344	5.344	0	%100
35	M53	X	-2.611	-2.611	0	%100
36	M53	Z	1.507	1.507	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
37	M54	X	-2.611	-2.611	0	%100
38	M54	Z	1.507	1.507	0	%100
39	M55	X	-5.208	-5.208	0	%100
40	M55	Z	3.007	3.007	0	%100
41	M58A	X	-11.567	-11.567	0	%100
42	M58A	Z	6.678	6.678	0	%100
43	M59A	X	-2.892	-2.892	0	%100
44	M59A	Z	1.669	1.669	0	%100
45	M63	X	-15.623	-15.623	0	%100
46	M63	Z	9.02	9.02	0	%100
47	M64	X	-21.216	-21.216	0	%100
48	M64	Z	12.249	12.249	0	%100
49	M66	X	-22.346	-22.346	0	%100
50	M66	Z	12.902	12.902	0	%100
51	M68	X	-15.623	-15.623	0	%100
52	M68	Z	9.02	9.02	0	%100
53	M69	X	-5.304	-5.304	0	%100
54	M69	Z	3.062	3.062	0	%100
55	M71	X	-5.587	-5.587	0	%100
56	M71	Z	3.225	3.225	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-10.443	-10.443	0	%100
60	M77A	Z	6.029	6.029	0	%100
61	M78	X	-10.443	-10.443	0	%100
62	M78	Z	6.029	6.029	0	%100
63	M79A	X	-20.83	-20.83	0	%100
64	M79A	Z	12.026	12.026	0	%100
65	M82	X	-2.892	-2.892	0	%100
66	M82	Z	1.669	1.669	0	%100
67	M83A	X	-2.892	-2.892	0	%100
68	M83A	Z	1.669	1.669	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	-5.304	-5.304	0	%100
72	M88A	Z	3.062	3.062	0	%100
73	M90	X	-5.587	-5.587	0	%100
74	M90	Z	3.225	3.225	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-5.304	-5.304	0	%100
78	M93	Z	3.062	3.062	0	%100
79	M95	X	-5.587	-5.587	0	%100
80	M95	Z	3.225	3.225	0	%100
81	M82A	X	-3.001	-3.001	0	%100
82	M82A	Z	1.733	1.733	0	%100
83	M91B	X	-12.006	-12.006	0	%100
84	M91B	Z	6.931	6.931	0	%100
85	MP3B	X	-8.245	-8.245	0	%100
86	MP3B	Z	4.76	4.76	0	%100
87	MP3A	X	-8.245	-8.245	0	%100
88	MP3A	Z	4.76	4.76	0	%100
89	MP2A	X	-8.245	-8.245	0	%100
90	MP2A	Z	4.76	4.76	0	%100
91	MP1A	X	-8.245	-8.245	0	%100
92	MP1A	Z	4.76	4.76	0	%100
93	MP6C	X	-8.245	-8.245	0	%100
94	MP6C	Z	4.76	4.76	0	%100
95	MP2C	X	-8.245	-8.245	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
96	MP2C	Z	4.76	4.76	0	%100
97	MP1C2	X	-8.245	-8.245	0	%100
98	MP1C2	Z	4.76	4.76	0	%100
99	M103	X	-7.514	-7.514	0	%100
100	M103	Z	4.338	4.338	0	%100
101	M104	X	-2.495	-2.495	0	%100
102	M104	Z	1.441	1.441	0	%100
103	M111	X	-2.495	-2.495	0	%100
104	M111	Z	1.441	1.441	0	%100
105	M112	X	-9.981	-9.981	0	%100
106	M112	Z	5.763	5.763	0	%100
107	M126	X	-12.606	-12.606	0	%100
108	M126	Z	7.278	7.278	0	%100
109	M127	X	-3.151	-3.151	0	%100
110	M127	Z	1.82	1.82	0	%100
111	M128	X	-3.151	-3.151	0	%100
112	M128	Z	1.82	1.82	0	%100
113	MP1C	X	-8.245	-8.245	0	%100
114	MP1C	Z	4.76	4.76	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	-8.245	-8.245	0	%100
124	MP3C	Z	4.76	4.76	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-10.397	-10.397	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-3.563	-3.563	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	-9.044	-9.044	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	-9.521	-9.521	0	%100
8	MP2B	Z	0	0	0	%100
9	MP4B	X	-9.521	-9.521	0	%100
10	MP4B	Z	0	0	0	%100
11	MP1B	X	-9.521	-9.521	0	%100
12	MP1B	Z	0	0	0	%100
13	M43	X	-9.044	-9.044	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	-18.039	-18.039	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
19	M52B	X	-10.017	-10.017	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-6.013	-6.013	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-6.013	-6.013	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	-18.373	-18.373	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	-19.352	-19.352	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-14.251	-14.251	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-10.017	-10.017	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-10.017	-10.017	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-24.053	-24.053	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-18.373	-18.373	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-19.352	-19.352	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-24.053	-24.053	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-18.373	-18.373	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	-19.352	-19.352	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	-3.563	-3.563	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-9.044	-9.044	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	-9.044	-9.044	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	-18.039	-18.039	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	-10.017	-10.017	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-6.013	-6.013	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	-18.373	-18.373	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	-19.352	-19.352	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	-6.013	-6.013	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	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,...	Start Location[ft, %]	End Location[ft, %]
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-10.397	-10.397	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	-9.521	-9.521	0	%100
86	MP3B	Z	0	0	0	%100
87	MP3A	X	-9.521	-9.521	0	%100
88	MP3A	Z	0	0	0	%100
89	MP2A	X	-9.521	-9.521	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	-9.521	-9.521	0	%100
92	MP1A	Z	0	0	0	%100
93	MP6C	X	-9.521	-9.521	0	%100
94	MP6C	Z	0	0	0	%100
95	MP2C	X	-9.521	-9.521	0	%100
96	MP2C	Z	0	0	0	%100
97	MP1C2	X	-9.521	-9.521	0	%100
98	MP1C2	Z	0	0	0	%100
99	M103	X	-8.676	-8.676	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	-8.644	-8.644	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	-8.644	-8.644	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	-10.917	-10.917	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	0	0	0	%100
111	M128	X	-10.917	-10.917	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	-9.521	-9.521	0	%100
114	MP1C	Z	0	0	0	%100
115	M125A	X	-.429	-.429	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	-.429	-.429	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	-.429	-.429	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	-.429	-.429	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	-9.521	-9.521	0	%100
124	MP3C	Z	0	0	0	%100
125	M138	X	-.429	-.429	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	-.429	-.429	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	-.429	-.429	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	-.429	-.429	0	%100
132	M145	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,...	Start Location[ft, %]	End Location[ft, %]
--------------	-----------	---------------------------	-------------------------	-----------------------	---------------------



Company  
Designer  
Job Number  
Model Name

July 19, 2023  
9:53 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-12.006	-12.006	0	%100
2	M1	Z	-6.931	-6.931	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	-10.443	-10.443	0	%100
6	M10	Z	-6.029	-6.029	0	%100
7	MP2B	X	-8.245	-8.245	0	%100
8	MP2B	Z	-4.76	-4.76	0	%100
9	MP4B	X	-8.245	-8.245	0	%100
10	MP4B	Z	-4.76	-4.76	0	%100
11	MP1B	X	-8.245	-8.245	0	%100
12	MP1B	Z	-4.76	-4.76	0	%100
13	M43	X	-10.443	-10.443	0	%100
14	M43	Z	-6.029	-6.029	0	%100
15	M46	X	-20.83	-20.83	0	%100
16	M46	Z	-12.026	-12.026	0	%100
17	M51B	X	-2.892	-2.892	0	%100
18	M51B	Z	-1.669	-1.669	0	%100
19	M52B	X	-2.892	-2.892	0	%100
20	M52B	Z	-1.669	-1.669	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	-5.304	-5.304	0	%100
24	M77	Z	-3.062	-3.062	0	%100
25	M80	X	-5.587	-5.587	0	%100
26	M80	Z	-3.225	-3.225	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	-5.304	-5.304	0	%100
30	M85	Z	-3.062	-3.062	0	%100
31	M91	X	-5.587	-5.587	0	%100
32	M91	Z	-3.225	-3.225	0	%100
33	M52A	X	-9.256	-9.256	0	%100
34	M52A	Z	-5.344	-5.344	0	%100
35	M53	X	-2.611	-2.611	0	%100
36	M53	Z	-1.507	-1.507	0	%100
37	M54	X	-2.611	-2.611	0	%100
38	M54	Z	-1.507	-1.507	0	%100
39	M55	X	-5.208	-5.208	0	%100
40	M55	Z	-3.007	-3.007	0	%100
41	M58A	X	-2.892	-2.892	0	%100
42	M58A	Z	-1.669	-1.669	0	%100
43	M59A	X	-11.567	-11.567	0	%100
44	M59A	Z	-6.678	-6.678	0	%100
45	M63	X	-15.623	-15.623	0	%100
46	M63	Z	-9.02	-9.02	0	%100
47	M64	X	-5.304	-5.304	0	%100
48	M64	Z	-3.062	-3.062	0	%100
49	M66	X	-5.587	-5.587	0	%100
50	M66	Z	-3.225	-3.225	0	%100
51	M68	X	-15.623	-15.623	0	%100
52	M68	Z	-9.02	-9.02	0	%100
53	M69	X	-21.216	-21.216	0	%100
54	M69	Z	-12.249	-12.249	0	%100
55	M71	X	-22.346	-22.346	0	%100
56	M71	Z	-12.902	-12.902	0	%100
57	M76A	X	-9.256	-9.256	0	%100
58	M76A	Z	-5.344	-5.344	0	%100
59	M77A	X	-2.611	-2.611	0	%100

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

	Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
60	M77A	Z	-1.507	-1.507	0	%100
61	M78	X	-2.611	-2.611	0	%100
62	M78	Z	-1.507	-1.507	0	%100
63	M79A	X	-5.208	-5.208	0	%100
64	M79A	Z	-3.007	-3.007	0	%100
65	M82	X	-11.567	-11.567	0	%100
66	M82	Z	-6.678	-6.678	0	%100
67	M83A	X	-2.892	-2.892	0	%100
68	M83A	Z	-1.669	-1.669	0	%100
69	M87	X	-15.623	-15.623	0	%100
70	M87	Z	-9.02	-9.02	0	%100
71	M88A	X	-21.216	-21.216	0	%100
72	M88A	Z	-12.249	-12.249	0	%100
73	M90	X	-22.346	-22.346	0	%100
74	M90	Z	-12.902	-12.902	0	%100
75	M92A	X	-15.623	-15.623	0	%100
76	M92A	Z	-9.02	-9.02	0	%100
77	M93	X	-5.304	-5.304	0	%100
78	M93	Z	-3.062	-3.062	0	%100
79	M95	X	-5.587	-5.587	0	%100
80	M95	Z	-3.225	-3.225	0	%100
81	M82A	X	-3.001	-3.001	0	%100
82	M82A	Z	-1.733	-1.733	0	%100
83	M91B	X	-3.001	-3.001	0	%100
84	M91B	Z	-1.733	-1.733	0	%100
85	MP3B	X	-8.245	-8.245	0	%100
86	MP3B	Z	-4.76	-4.76	0	%100
87	MP3A	X	-8.245	-8.245	0	%100
88	MP3A	Z	-4.76	-4.76	0	%100
89	MP2A	X	-8.245	-8.245	0	%100
90	MP2A	Z	-4.76	-4.76	0	%100
91	MP1A	X	-8.245	-8.245	0	%100
92	MP1A	Z	-4.76	-4.76	0	%100
93	MP6C	X	-8.245	-8.245	0	%100
94	MP6C	Z	-4.76	-4.76	0	%100
95	MP2C	X	-8.245	-8.245	0	%100
96	MP2C	Z	-4.76	-4.76	0	%100
97	MP1C2	X	-8.245	-8.245	0	%100
98	MP1C2	Z	-4.76	-4.76	0	%100
99	M103	X	-7.514	-7.514	0	%100
100	M103	Z	-4.338	-4.338	0	%100
101	M104	X	-9.981	-9.981	0	%100
102	M104	Z	-5.763	-5.763	0	%100
103	M111	X	-2.495	-2.495	0	%100
104	M111	Z	-1.441	-1.441	0	%100
105	M112	X	-2.495	-2.495	0	%100
106	M112	Z	-1.441	-1.441	0	%100
107	M126	X	-3.151	-3.151	0	%100
108	M126	Z	-1.82	-1.82	0	%100
109	M127	X	-3.151	-3.151	0	%100
110	M127	Z	-1.82	-1.82	0	%100
111	M128	X	-12.606	-12.606	0	%100
112	M128	Z	-7.278	-7.278	0	%100
113	MP1C	X	-8.245	-8.245	0	%100
114	MP1C	Z	-4.76	-4.76	0	%100
115	M125A	X	-1.115	-1.115	0	%100
116	M125A	Z	-644	-644	0	%100
117	M126A	X	-1.115	-1.115	0	%100
118	M126A	Z	-644	-644	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft.%)	End Location(ft.%)
119	M131	X	-1.115	-1.115	0	%100
120	M131	Z	-.644	-.644	0	%100
121	M132	X	-1.115	-1.115	0	%100
122	M132	Z	-.644	-.644	0	%100
123	MP3C	X	-8.245	-8.245	0	%100
124	MP3C	Z	-4.76	-4.76	0	%100
125	M138	X	-1.115	-1.115	0	%100
126	M138	Z	-.644	-.644	0	%100
127	M139	X	-1.115	-1.115	0	%100
128	M139	Z	-.644	-.644	0	%100
129	M144	X	-1.115	-1.115	0	%100
130	M144	Z	-.644	-.644	0	%100
131	M145	X	-1.115	-1.115	0	%100
132	M145	Z	-.644	-.644	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft.%)	End Location(ft.%)
1	M1	X	-5.199	-5.199	0	%100
2	M1	Z	-9.004	-9.004	0	%100
3	M4	X	-1.781	-1.781	0	%100
4	M4	Z	-3.085	-3.085	0	%100
5	M10	X	-4.522	-4.522	0	%100
6	M10	Z	-7.832	-7.832	0	%100
7	MP2B	X	-4.76	-4.76	0	%100
8	MP2B	Z	-8.245	-8.245	0	%100
9	MP4B	X	-4.76	-4.76	0	%100
10	MP4B	Z	-8.245	-8.245	0	%100
11	MP1B	X	-4.76	-4.76	0	%100
12	MP1B	Z	-8.245	-8.245	0	%100
13	M43	X	-4.522	-4.522	0	%100
14	M43	Z	-7.832	-7.832	0	%100
15	M46	X	-9.02	-9.02	0	%100
16	M46	Z	-15.623	-15.623	0	%100
17	M51B	X	-5.008	-5.008	0	%100
18	M51B	Z	-8.675	-8.675	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-3.007	-3.007	0	%100
22	M76	Z	-5.208	-5.208	0	%100
23	M77	X	-9.187	-9.187	0	%100
24	M77	Z	-15.912	-15.912	0	%100
25	M80	X	-9.676	-9.676	0	%100
26	M80	Z	-16.76	-16.76	0	%100
27	M84	X	-3.007	-3.007	0	%100
28	M84	Z	-5.208	-5.208	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-1.781	-1.781	0	%100
34	M52A	Z	-3.085	-3.085	0	%100
35	M53	X	-4.522	-4.522	0	%100
36	M53	Z	-7.832	-7.832	0	%100
37	M54	X	-4.522	-4.522	0	%100
38	M54	Z	-7.832	-7.832	0	%100
39	M55	X	-9.02	-9.02	0	%100
40	M55	Z	-15.623	-15.623	0	%100
41	M58A	X	0	0	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft...	Start Location[ft, %]	End Location[ft, %]
42	M58A	Z	0	0	%100
43	M59A	X	-5.008	-5.008	0
44	M59A	Z	-8.675	-8.675	0
45	M63	X	-3.007	-3.007	0
46	M63	Z	-5.208	-5.208	0
47	M64	X	0	0	0
48	M64	Z	0	0	0
49	M66	X	0	0	0
50	M66	Z	0	0	0
51	M68	X	-3.007	-3.007	0
52	M68	Z	-5.208	-5.208	0
53	M69	X	-9.187	-9.187	0
54	M69	Z	-15.912	-15.912	0
55	M71	X	-9.676	-9.676	0
56	M71	Z	-16.76	-16.76	0
57	M76A	X	-7.126	-7.126	0
58	M76A	Z	-12.342	-12.342	0
59	M77A	X	0	0	0
60	M77A	Z	0	0	0
61	M78	X	0	0	0
62	M78	Z	0	0	0
63	M79A	X	0	0	0
64	M79A	Z	0	0	0
65	M82	X	-5.008	-5.008	0
66	M82	Z	-8.675	-8.675	0
67	M83A	X	-5.008	-5.008	0
68	M83A	Z	-8.675	-8.675	0
69	M87	X	-12.026	-12.026	0
70	M87	Z	-20.83	-20.83	0
71	M88A	X	-9.187	-9.187	0
72	M88A	Z	-15.912	-15.912	0
73	M90	X	-9.676	-9.676	0
74	M90	Z	-16.76	-16.76	0
75	M92A	X	-12.026	-12.026	0
76	M92A	Z	-20.83	-20.83	0
77	M93	X	-9.187	-9.187	0
78	M93	Z	-15.912	-15.912	0
79	M95	X	-9.676	-9.676	0
80	M95	Z	-16.76	-16.76	0
81	M82A	X	-5.199	-5.199	0
82	M82A	Z	-9.004	-9.004	0
83	M91B	X	0	0	0
84	M91B	Z	0	0	0
85	MP3B	X	-4.76	-4.76	0
86	MP3B	Z	-8.245	-8.245	0
87	MP3A	X	-4.76	-4.76	0
88	MP3A	Z	-8.245	-8.245	0
89	MP2A	X	-4.76	-4.76	0
90	MP2A	Z	-8.245	-8.245	0
91	MP1A	X	-4.76	-4.76	0
92	MP1A	Z	-8.245	-8.245	0
93	MP6C	X	-4.76	-4.76	0
94	MP6C	Z	-8.245	-8.245	0
95	MP2C	X	-4.76	-4.76	0
96	MP2C	Z	-8.245	-8.245	0
97	MP1C2	X	-4.76	-4.76	0
98	MP1C2	Z	-8.245	-8.245	0
99	M103	X	-4.338	-4.338	0
100	M103	Z	-7.514	-7.514	0



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
101	M104	X	-4.322	-4.322	0	%100
102	M104	Z	-7.486	-7.486	0	%100
103	M111	X	-4.322	-4.322	0	%100
104	M111	Z	-7.486	-7.486	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	-5.459	-5.459	0	%100
110	M127	Z	-9.454	-9.454	0	%100
111	M128	X	-5.459	-5.459	0	%100
112	M128	Z	-9.454	-9.454	0	%100
113	MP1C	X	-4.76	-4.76	0	%100
114	MP1C	Z	-8.245	-8.245	0	%100
115	M125A	X	-858	-858	0	%100
116	M125A	Z	-1.487	-1.487	0	%100
117	M126A	X	-858	-858	0	%100
118	M126A	Z	-1.487	-1.487	0	%100
119	M131	X	-858	-858	0	%100
120	M131	Z	-1.487	-1.487	0	%100
121	M132	X	-858	-858	0	%100
122	M132	Z	-1.487	-1.487	0	%100
123	MP3C	X	-4.76	-4.76	0	%100
124	MP3C	Z	-8.245	-8.245	0	%100
125	M138	X	-858	-858	0	%100
126	M138	Z	-1.487	-1.487	0	%100
127	M139	X	-858	-858	0	%100
128	M139	Z	-1.487	-1.487	0	%100
129	M144	X	-858	-858	0	%100
130	M144	Z	-1.487	-1.487	0	%100
131	M145	X	-858	-858	0	%100
132	M145	Z	-1.487	-1.487	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-861	-861	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	-2.608	-2.608	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-708	-708	0	%100
7	MP2B	X	0	0	0	%100
8	MP2B	Z	-2.778	-2.778	0	%100
9	MP4B	X	0	0	0	%100
10	MP4B	Z	-2.778	-2.778	0	%100
11	MP1B	X	0	0	0	%100
12	MP1B	Z	-2.778	-2.778	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	-708	-708	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-1.107	-1.107	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	-3.26	-3.26	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	-815	-815	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	-3.268	-3.268	0	%100
23	M77	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude/lb/ft...	End Magnitude/lb/ft...	Start Location/ft,%1	End Location/ft,%1
24	M77	Z	-4.423	-4.423	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	-4.616	-4.616	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	-3.268	-3.268	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	-1.106	-1.106	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	-1.154	-1.154	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-2.832	-2.832	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-2.832	-2.832	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	-4.429	-4.429	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	-.815	-.815	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	-.815	-.815	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	-1.106	-1.106	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	-1.154	-1.154	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-1.106	-1.106	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	-1.154	-1.154	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	-2.608	-2.608	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	-.708	-.708	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	-.708	-.708	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	-1.107	-1.107	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	-.815	-.815	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	-3.26	-3.26	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	-3.268	-3.268	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	-1.106	-1.106	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	-1.154	-1.154	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	-3.268	-3.268	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-4.423	-4.423	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	-4.616	-4.616	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	-3.445	-3.445	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
83	M91B	X	0	0	%100
84	M91B	Z	-.861	-.861	%100
85	MP3B	X	0	0	%100
86	MP3B	Z	-2.778	-2.778	%100
87	MP3A	X	0	0	%100
88	MP3A	Z	-2.778	-2.778	%100
89	MP2A	X	0	0	%100
90	MP2A	Z	-2.778	-2.778	%100
91	MP1A	X	0	0	%100
92	MP1A	Z	-2.778	-2.778	%100
93	MP6C	X	0	0	%100
94	MP6C	Z	-2.778	-2.778	%100
95	MP2C	X	0	0	%100
96	MP2C	Z	-2.778	-2.778	%100
97	MP1C2	X	0	0	%100
98	MP1C2	Z	-2.778	-2.778	%100
99	M103	X	0	0	%100
100	M103	Z	-2.546	-2.546	%100
101	M104	X	0	0	%100
102	M104	Z	-.769	-.769	%100
103	M111	X	0	0	%100
104	M111	Z	-3.074	-3.074	%100
105	M112	X	0	0	%100
106	M112	Z	-.769	-.769	%100
107	M126	X	0	0	%100
108	M126	Z	-.793	-.793	%100
109	M127	X	0	0	%100
110	M127	Z	-3.171	-3.171	%100
111	M128	X	0	0	%100
112	M128	Z	-.793	-.793	%100
113	MP1C	X	0	0	%100
114	MP1C	Z	-2.778	-2.778	%100
115	M125A	X	0	0	%100
116	M125A	Z	-.79	-.79	%100
117	M126A	X	0	0	%100
118	M126A	Z	-.79	-.79	%100
119	M131	X	0	0	%100
120	M131	Z	-.79	-.79	%100
121	M132	X	0	0	%100
122	M132	Z	-.79	-.79	%100
123	MP3C	X	0	0	%100
124	MP3C	Z	-2.778	-2.778	%100
125	M138	X	0	0	%100
126	M138	Z	-.79	-.79	%100
127	M139	X	0	0	%100
128	M139	Z	-.79	-.79	%100
129	M144	X	0	0	%100
130	M144	Z	-.79	-.79	%100
131	M145	X	0	0	%100
132	M145	Z	-.79	-.79	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	%100
2	M1	Z	0	0	%100
3	M4	X	1.739	1.739	%100
4	M4	Z	-3.012	-3.012	%100
5	M10	X	0	0	%100

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

	Member Label	Direction	Start Magnitude lb/ft...	End Magnitude lb/ft...	Start Location ft. %	End Location ft. %
6	M10	Z	0	0	0	%100
7	MP2B	X	1.389	1.389	0	%100
8	MP2B	Z	-2.406	-2.406	0	%100
9	MP4B	X	1.389	1.389	0	%100
10	MP4B	Z	-2.406	-2.406	0	%100
11	MP1B	X	1.389	1.389	0	%100
12	MP1B	Z	-2.406	-2.406	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	1.222	1.222	0	%100
18	M51B	Z	-2.117	-2.117	0	%100
19	M52B	X	1.222	1.222	0	%100
20	M52B	Z	-2.117	-2.117	0	%100
21	M76	X	2.178	2.178	0	%100
22	M76	Z	-3.773	-3.773	0	%100
23	M77	X	1.659	1.659	0	%100
24	M77	Z	-2.873	-2.873	0	%100
25	M80	X	1.731	1.731	0	%100
26	M80	Z	-2.998	-2.998	0	%100
27	M84	X	2.178	2.178	0	%100
28	M84	Z	-3.773	-3.773	0	%100
29	M85	X	1.659	1.659	0	%100
30	M85	Z	-2.873	-2.873	0	%100
31	M91	X	1.731	1.731	0	%100
32	M91	Z	-2.998	-2.998	0	%100
33	M52A	X	.435	.435	0	%100
34	M52A	Z	-.753	-.753	0	%100
35	M53	X	1.062	1.062	0	%100
36	M53	Z	-1.84	-1.84	0	%100
37	M54	X	1.062	1.062	0	%100
38	M54	Z	-1.84	-1.84	0	%100
39	M55	X	1.661	1.661	0	%100
40	M55	Z	-2.877	-2.877	0	%100
41	M58A	X	1.222	1.222	0	%100
42	M58A	Z	-2.117	-2.117	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	.545	.545	0	%100
46	M63	Z	-.943	-.943	0	%100
47	M64	X	1.659	1.659	0	%100
48	M64	Z	-2.873	-2.873	0	%100
49	M66	X	1.731	1.731	0	%100
50	M66	Z	-2.998	-2.998	0	%100
51	M68	X	.545	.545	0	%100
52	M68	Z	-.943	-.943	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	.435	.435	0	%100
58	M76A	Z	-.753	-.753	0	%100
59	M77A	X	1.062	1.062	0	%100
60	M77A	Z	-1.84	-1.84	0	%100
61	M78	X	1.062	1.062	0	%100
62	M78	Z	-1.84	-1.84	0	%100
63	M79A	X	1.661	1.661	0	%100
64	M79A	Z	-2.877	-2.877	0	%100



Company  
Designer  
Job Number  
Model Name

July 19, 2023  
9:53 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft...	Start Location[ft.%]	End Location[ft.%]
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	1.222	1.222	0	%100
68	M83A	Z	-2.117	-2.117	0	%100
69	M87	X	.545	.545	0	%100
70	M87	Z	-.943	-.943	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	.545	.545	0	%100
76	M92A	Z	-.943	-.943	0	%100
77	M93	X	1.659	1.659	0	%100
78	M93	Z	-2.873	-2.873	0	%100
79	M95	X	1.731	1.731	0	%100
80	M95	Z	-2.998	-2.998	0	%100
81	M82A	X	1.292	1.292	0	%100
82	M82A	Z	-2.238	-2.238	0	%100
83	M91B	X	1.292	1.292	0	%100
84	M91B	Z	-2.238	-2.238	0	%100
85	MP3B	X	1.389	1.389	0	%100
86	MP3B	Z	-2.406	-2.406	0	%100
87	MP3A	X	1.389	1.389	0	%100
88	MP3A	Z	-2.406	-2.406	0	%100
89	MP2A	X	1.389	1.389	0	%100
90	MP2A	Z	-2.406	-2.406	0	%100
91	MP1A	X	1.389	1.389	0	%100
92	MP1A	Z	-2.406	-2.406	0	%100
93	MP6C	X	1.389	1.389	0	%100
94	MP6C	Z	-2.406	-2.406	0	%100
95	MP2C	X	1.389	1.389	0	%100
96	MP2C	Z	-2.406	-2.406	0	%100
97	MP1C2	X	1.389	1.389	0	%100
98	MP1C2	Z	-2.406	-2.406	0	%100
99	M103	X	1.273	1.273	0	%100
100	M103	Z	-2.205	-2.205	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	1.153	1.153	0	%100
104	M111	Z	-1.997	-1.997	0	%100
105	M112	X	1.153	1.153	0	%100
106	M112	Z	-1.997	-1.997	0	%100
107	M126	X	1.189	1.189	0	%100
108	M126	Z	-2.06	-2.06	0	%100
109	M127	X	1.189	1.189	0	%100
110	M127	Z	-2.06	-2.06	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	1.389	1.389	0	%100
114	MP1C	Z	-2.406	-2.406	0	%100
115	M125A	X	.132	.132	0	%100
116	M125A	Z	-.228	-.228	0	%100
117	M126A	X	.132	.132	0	%100
118	M126A	Z	-.228	-.228	0	%100
119	M131	X	.132	.132	0	%100
120	M131	Z	-.228	-.228	0	%100
121	M132	X	.132	.132	0	%100
122	M132	Z	-.228	-.228	0	%100
123	MP3C	X	1.389	1.389	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
124	MP3C	Z	-2.406	-2.406	0	%100
125	M138	X	.132	.132	0	%100
126	M138	Z	-.228	-.228	0	%100
127	M139	X	.132	.132	0	%100
128	M139	Z	-.228	-.228	0	%100
129	M144	X	.132	.132	0	%100
130	M144	Z	-.228	-.228	0	%100
131	M145	X	.132	.132	0	%100
132	M145	Z	-.228	-.228	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.746	.746	0	%100
2	M1	Z	-.431	-.431	0	%100
3	M4	X	2.259	2.259	0	%100
4	M4	Z	-1.304	-1.304	0	%100
5	M10	X	.613	.613	0	%100
6	M10	Z	-.354	-.354	0	%100
7	MP2B	X	2.406	2.406	0	%100
8	MP2B	Z	-1.389	-1.389	0	%100
9	MP4B	X	2.406	2.406	0	%100
10	MP4B	Z	-1.389	-1.389	0	%100
11	MP1B	X	2.406	2.406	0	%100
12	MP1B	Z	-1.389	-1.389	0	%100
13	M43	X	.613	.613	0	%100
14	M43	Z	-.354	-.354	0	%100
15	M46	X	.959	.959	0	%100
16	M46	Z	-.554	-.554	0	%100
17	M51B	X	.706	.706	0	%100
18	M51B	Z	-.407	-.407	0	%100
19	M52B	X	2.823	2.823	0	%100
20	M52B	Z	-1.63	-1.63	0	%100
21	M76	X	2.83	2.83	0	%100
22	M76	Z	-1.634	-1.634	0	%100
23	M77	X	.958	.958	0	%100
24	M77	Z	-.553	-.553	0	%100
25	M80	X	.999	.999	0	%100
26	M80	Z	-.577	-.577	0	%100
27	M84	X	2.83	2.83	0	%100
28	M84	Z	-1.634	-1.634	0	%100
29	M85	X	3.83	3.83	0	%100
30	M85	Z	-2.211	-2.211	0	%100
31	M91	X	3.997	3.997	0	%100
32	M91	Z	-2.308	-2.308	0	%100
33	M52A	X	2.259	2.259	0	%100
34	M52A	Z	-1.304	-1.304	0	%100
35	M53	X	.613	.613	0	%100
36	M53	Z	-.354	-.354	0	%100
37	M54	X	.613	.613	0	%100
38	M54	Z	-.354	-.354	0	%100
39	M55	X	.959	.959	0	%100
40	M55	Z	-.554	-.554	0	%100
41	M58A	X	2.823	2.823	0	%100
42	M58A	Z	-1.63	-1.63	0	%100
43	M59A	X	.706	.706	0	%100
44	M59A	Z	-.407	-.407	0	%100
45	M63	X	2.83	2.83	0	%100
46	M63	Z	-1.634	-1.634	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
47	M64	X	3.83	3.83	0	%100
48	M64	Z	-2.211	-2.211	0	%100
49	M66	X	3.997	3.997	0	%100
50	M66	Z	-2.308	-2.308	0	%100
51	M68	X	2.83	2.83	0	%100
52	M68	Z	-1.634	-1.634	0	%100
53	M69	X	.958	.958	0	%100
54	M69	Z	-.553	-.553	0	%100
55	M71	X	.999	.999	0	%100
56	M71	Z	-.577	-.577	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	2.453	2.453	0	%100
60	M77A	Z	-1.416	-1.416	0	%100
61	M78	X	2.453	2.453	0	%100
62	M78	Z	-1.416	-1.416	0	%100
63	M79A	X	3.836	3.836	0	%100
64	M79A	Z	-2.215	-2.215	0	%100
65	M82	X	.706	.706	0	%100
66	M82	Z	-.407	-.407	0	%100
67	M83A	X	.706	.706	0	%100
68	M83A	Z	-.407	-.407	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	.958	.958	0	%100
72	M88A	Z	-.553	-.553	0	%100
73	M90	X	.999	.999	0	%100
74	M90	Z	-.577	-.577	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	.958	.958	0	%100
78	M93	Z	-.553	-.553	0	%100
79	M95	X	.999	.999	0	%100
80	M95	Z	-.577	-.577	0	%100
81	M82A	X	.746	.746	0	%100
82	M82A	Z	-.431	-.431	0	%100
83	M91B	X	2.983	2.983	0	%100
84	M91B	Z	-1.722	-1.722	0	%100
85	MP3B	X	2.406	2.406	0	%100
86	MP3B	Z	-1.389	-1.389	0	%100
87	MP3A	X	2.406	2.406	0	%100
88	MP3A	Z	-1.389	-1.389	0	%100
89	MP2A	X	2.406	2.406	0	%100
90	MP2A	Z	-1.389	-1.389	0	%100
91	MP1A	X	2.406	2.406	0	%100
92	MP1A	Z	-1.389	-1.389	0	%100
93	MP6C	X	2.406	2.406	0	%100
94	MP6C	Z	-1.389	-1.389	0	%100
95	MP2C	X	2.406	2.406	0	%100
96	MP2C	Z	-1.389	-1.389	0	%100
97	MP1C2	X	2.406	2.406	0	%100
98	MP1C2	Z	-1.389	-1.389	0	%100
99	M103	X	2.205	2.205	0	%100
100	M103	Z	-1.273	-1.273	0	%100
101	M104	X	.666	.666	0	%100
102	M104	Z	-.384	-.384	0	%100
103	M111	X	.666	.666	0	%100
104	M111	Z	-.384	-.384	0	%100
105	M112	X	2.662	2.662	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
106	M112	Z	-1.537	-1.537	0	%100
107	M126	X	2.746	2.746	0	%100
108	M126	Z	-1.586	-1.586	0	%100
109	M127	X	.687	.687	0	%100
110	M127	Z	-.396	-.396	0	%100
111	M128	X	.687	.687	0	%100
112	M128	Z	-.396	-.396	0	%100
113	MP1C	X	2.406	2.406	0	%100
114	MP1C	Z	-1.389	-1.389	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	2.406	2.406	0	%100
124	MP3C	Z	-1.389	-1.389	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.584	2.584	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.869	.869	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	2.124	2.124	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	2.778	2.778	0	%100
8	MP2B	Z	0	0	0	%100
9	MP4B	X	2.778	2.778	0	%100
10	MP4B	Z	0	0	0	%100
11	MP1B	X	2.778	2.778	0	%100
12	MP1B	Z	0	0	0	%100
13	M43	X	2.124	2.124	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	3.322	3.322	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	2.445	2.445	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	1.089	1.089	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	1.089	1.089	0	%100
28	M84	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
29	M85	X	3.317	3.317	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	3.462	3.462	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	3.478	3.478	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	2.445	2.445	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	2.445	2.445	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	4.357	4.357	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	3.317	3.317	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	3.462	3.462	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	4.357	4.357	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	3.317	3.317	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	3.462	3.462	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	.869	.869	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	2.124	2.124	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	2.124	2.124	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	3.322	3.322	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	2.445	2.445	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	1.089	1.089	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	3.317	3.317	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	3.462	3.462	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	1.089	1.089	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	2.584	2.584	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	2.778	2.778	0	%100
86	MP3B	Z	0	0	0	%100
87	MP3A	X	2.778	2.778	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
88	MP3A	Z	0	0	0	%100
89	MP2A	X	2.778	2.778	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	2.778	2.778	0	%100
92	MP1A	Z	0	0	0	%100
93	MP6C	X	2.778	2.778	0	%100
94	MP6C	Z	0	0	0	%100
95	MP2C	X	2.778	2.778	0	%100
96	MP2C	Z	0	0	0	%100
97	MP1C2	X	2.778	2.778	0	%100
98	MP1C2	Z	0	0	0	%100
99	M103	X	2.546	2.546	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	2.306	2.306	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	2.306	2.306	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	2.378	2.378	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	0	0	0	%100
111	M128	X	2.378	2.378	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	2.778	2.778	0	%100
114	MP1C	Z	0	0	0	%100
115	M125A	X	.263	.263	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	.263	.263	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	.263	.263	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	.263	.263	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	2.778	2.778	0	%100
124	MP3C	Z	0	0	0	%100
125	M138	X	.263	.263	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	.263	.263	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	.263	.263	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	.263	.263	0	%100
132	M145	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....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.983	2.983	0	%100
2	M1	Z	1.722	1.722	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	2.453	2.453	0	%100
6	M10	Z	1.416	1.416	0	%100
7	MP2B	X	2.406	2.406	0	%100
8	MP2B	Z	1.389	1.389	0	%100
9	MP4B	X	2.406	2.406	0	%100
10	MP4B	Z	1.389	1.389	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
11	MP1B	X	2.406	2.406	0	%100
12	MP1B	Z	1.389	1.389	0	%100
13	M43	X	2.453	2.453	0	%100
14	M43	Z	1.416	1.416	0	%100
15	M46	X	3.836	3.836	0	%100
16	M46	Z	2.215	2.215	0	%100
17	M51B	X	.706	.706	0	%100
18	M51B	Z	.407	.407	0	%100
19	M52B	X	.706	.706	0	%100
20	M52B	Z	.407	.407	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	.958	.958	0	%100
24	M77	Z	.553	.553	0	%100
25	M80	X	.999	.999	0	%100
26	M80	Z	.577	.577	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	.958	.958	0	%100
30	M85	Z	.553	.553	0	%100
31	M91	X	.999	.999	0	%100
32	M91	Z	.577	.577	0	%100
33	M52A	X	2.259	2.259	0	%100
34	M52A	Z	1.304	1.304	0	%100
35	M53	X	.613	.613	0	%100
36	M53	Z	.354	.354	0	%100
37	M54	X	.613	.613	0	%100
38	M54	Z	.354	.354	0	%100
39	M55	X	.959	.959	0	%100
40	M55	Z	.554	.554	0	%100
41	M58A	X	.706	.706	0	%100
42	M58A	Z	.407	.407	0	%100
43	M59A	X	2.823	2.823	0	%100
44	M59A	Z	1.63	1.63	0	%100
45	M63	X	2.83	2.83	0	%100
46	M63	Z	1.634	1.634	0	%100
47	M64	X	.958	.958	0	%100
48	M64	Z	.553	.553	0	%100
49	M66	X	.999	.999	0	%100
50	M66	Z	.577	.577	0	%100
51	M68	X	2.83	2.83	0	%100
52	M68	Z	1.634	1.634	0	%100
53	M69	X	3.83	3.83	0	%100
54	M69	Z	2.211	2.211	0	%100
55	M71	X	3.997	3.997	0	%100
56	M71	Z	2.308	2.308	0	%100
57	M76A	X	2.259	2.259	0	%100
58	M76A	Z	1.304	1.304	0	%100
59	M77A	X	.613	.613	0	%100
60	M77A	Z	.354	.354	0	%100
61	M78	X	.613	.613	0	%100
62	M78	Z	.354	.354	0	%100
63	M79A	X	.959	.959	0	%100
64	M79A	Z	.554	.554	0	%100
65	M82	X	2.823	2.823	0	%100
66	M82	Z	1.63	1.63	0	%100
67	M83A	X	.706	.706	0	%100
68	M83A	Z	.407	.407	0	%100
69	M87	X	2.83	2.83	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft, %]	End Location[ft, %]
70	M87	Z	1.634	1.634	0	%100
71	M88A	X	3.83	3.83	0	%100
72	M88A	Z	2.211	2.211	0	%100
73	M90	X	3.997	3.997	0	%100
74	M90	Z	2.308	2.308	0	%100
75	M92A	X	2.83	2.83	0	%100
76	M92A	Z	1.634	1.634	0	%100
77	M93	X	.958	.958	0	%100
78	M93	Z	.553	.553	0	%100
79	M95	X	.999	.999	0	%100
80	M95	Z	.577	.577	0	%100
81	M82A	X	.746	.746	0	%100
82	M82A	Z	.431	.431	0	%100
83	M91B	X	.746	.746	0	%100
84	M91B	Z	.431	.431	0	%100
85	MP3B	X	2.406	2.406	0	%100
86	MP3B	Z	1.389	1.389	0	%100
87	MP3A	X	2.406	2.406	0	%100
88	MP3A	Z	1.389	1.389	0	%100
89	MP2A	X	2.406	2.406	0	%100
90	MP2A	Z	1.389	1.389	0	%100
91	MP1A	X	2.406	2.406	0	%100
92	MP1A	Z	1.389	1.389	0	%100
93	MP6C	X	2.406	2.406	0	%100
94	MP6C	Z	1.389	1.389	0	%100
95	MP2C	X	2.406	2.406	0	%100
96	MP2C	Z	1.389	1.389	0	%100
97	MP1C2	X	2.406	2.406	0	%100
98	MP1C2	Z	1.389	1.389	0	%100
99	M103	X	2.205	2.205	0	%100
100	M103	Z	1.273	1.273	0	%100
101	M104	X	2.662	2.662	0	%100
102	M104	Z	1.537	1.537	0	%100
103	M111	X	.666	.666	0	%100
104	M111	Z	.384	.384	0	%100
105	M112	X	.666	.666	0	%100
106	M112	Z	.384	.384	0	%100
107	M126	X	.687	.687	0	%100
108	M126	Z	.396	.396	0	%100
109	M127	X	.687	.687	0	%100
110	M127	Z	.396	.396	0	%100
111	M128	X	2.746	2.746	0	%100
112	M128	Z	1.586	1.586	0	%100
113	MP1C	X	2.406	2.406	0	%100
114	MP1C	Z	1.389	1.389	0	%100
115	M125A	X	.684	.684	0	%100
116	M125A	Z	.395	.395	0	%100
117	M126A	X	.684	.684	0	%100
118	M126A	Z	.395	.395	0	%100
119	M131	X	.684	.684	0	%100
120	M131	Z	.395	.395	0	%100
121	M132	X	.684	.684	0	%100
122	M132	Z	.395	.395	0	%100
123	MP3C	X	2.406	2.406	0	%100
124	MP3C	Z	1.389	1.389	0	%100
125	M138	X	.684	.684	0	%100
126	M138	Z	.395	.395	0	%100
127	M139	X	.684	.684	0	%100
128	M139	Z	.395	.395	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
129	M144	X	.684	.684	0	%100
130	M144	Z	.395	.395	0	%100
131	M145	X	.684	.684	0	%100
132	M145	Z	.395	.395	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.292	1.292	0	%100
2	M1	Z	2.238	2.238	0	%100
3	M4	X	.435	.435	0	%100
4	M4	Z	.753	.753	0	%100
5	M10	X	1.062	1.062	0	%100
6	M10	Z	1.84	1.84	0	%100
7	MP2B	X	1.389	1.389	0	%100
8	MP2B	Z	2.406	2.406	0	%100
9	MP4B	X	1.389	1.389	0	%100
10	MP4B	Z	2.406	2.406	0	%100
11	MP1B	X	1.389	1.389	0	%100
12	MP1B	Z	2.406	2.406	0	%100
13	M43	X	1.062	1.062	0	%100
14	M43	Z	1.84	1.84	0	%100
15	M46	X	1.661	1.661	0	%100
16	M46	Z	2.877	2.877	0	%100
17	M51B	X	1.222	1.222	0	%100
18	M51B	Z	2.117	2.117	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	.545	.545	0	%100
22	M76	Z	.943	.943	0	%100
23	M77	X	1.659	1.659	0	%100
24	M77	Z	2.873	2.873	0	%100
25	M80	X	1.731	1.731	0	%100
26	M80	Z	2.998	2.998	0	%100
27	M84	X	.545	.545	0	%100
28	M84	Z	.943	.943	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	.435	.435	0	%100
34	M52A	Z	.753	.753	0	%100
35	M53	X	1.062	1.062	0	%100
36	M53	Z	1.84	1.84	0	%100
37	M54	X	1.062	1.062	0	%100
38	M54	Z	1.84	1.84	0	%100
39	M55	X	1.661	1.661	0	%100
40	M55	Z	2.877	2.877	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	1.222	1.222	0	%100
44	M59A	Z	2.117	2.117	0	%100
45	M63	X	.545	.545	0	%100
46	M63	Z	.943	.943	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	.545	.545	0	%100

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

	Member Label	Direction	Start Magnitude(lb/ft,...	End Magnitude(lb/ft,...	Start Location(ft, %)	End Location(ft, %)
52	M68	Z	.943	.943	0	%100
53	M69	X	1.659	1.659	0	%100
54	M69	Z	2.873	2.873	0	%100
55	M71	X	1.731	1.731	0	%100
56	M71	Z	2.998	2.998	0	%100
57	M76A	X	1.739	1.739	0	%100
58	M76A	Z	3.012	3.012	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	1.222	1.222	0	%100
66	M82	Z	2.117	2.117	0	%100
67	M83A	X	1.222	1.222	0	%100
68	M83A	Z	2.117	2.117	0	%100
69	M87	X	2.178	2.178	0	%100
70	M87	Z	3.773	3.773	0	%100
71	M88A	X	1.659	1.659	0	%100
72	M88A	Z	2.873	2.873	0	%100
73	M90	X	1.731	1.731	0	%100
74	M90	Z	2.998	2.998	0	%100
75	M92A	X	2.178	2.178	0	%100
76	M92A	Z	3.773	3.773	0	%100
77	M93	X	1.659	1.659	0	%100
78	M93	Z	2.873	2.873	0	%100
79	M95	X	1.731	1.731	0	%100
80	M95	Z	2.998	2.998	0	%100
81	M82A	X	1.292	1.292	0	%100
82	M82A	Z	2.238	2.238	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	1.389	1.389	0	%100
86	MP3B	Z	2.406	2.406	0	%100
87	MP3A	X	1.389	1.389	0	%100
88	MP3A	Z	2.406	2.406	0	%100
89	MP2A	X	1.389	1.389	0	%100
90	MP2A	Z	2.406	2.406	0	%100
91	MP1A	X	1.389	1.389	0	%100
92	MP1A	Z	2.406	2.406	0	%100
93	MP6C	X	1.389	1.389	0	%100
94	MP6C	Z	2.406	2.406	0	%100
95	MP2C	X	1.389	1.389	0	%100
96	MP2C	Z	2.406	2.406	0	%100
97	MP1C2	X	1.389	1.389	0	%100
98	MP1C2	Z	2.406	2.406	0	%100
99	M103	X	1.273	1.273	0	%100
100	M103	Z	2.205	2.205	0	%100
101	M104	X	1.153	1.153	0	%100
102	M104	Z	1.997	1.997	0	%100
103	M111	X	1.153	1.153	0	%100
104	M111	Z	1.997	1.997	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	1.189	1.189	0	%100
110	M127	Z	2.06	2.06	0	%100



Company  
Designer  
Job Number  
Model Name

July 19, 2023  
9:53 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
111	M128	X	1.189	1.189	0	%100
112	M128	Z	2.06	2.06	0	%100
113	MP1C	X	1.389	1.389	0	%100
114	MP1C	Z	2.406	2.406	0	%100
115	M125A	X	.526	.526	0	%100
116	M125A	Z	.912	.912	0	%100
117	M126A	X	.526	.526	0	%100
118	M126A	Z	.912	.912	0	%100
119	M131	X	.526	.526	0	%100
120	M131	Z	.912	.912	0	%100
121	M132	X	.526	.526	0	%100
122	M132	Z	.912	.912	0	%100
123	MP3C	X	1.389	1.389	0	%100
124	MP3C	Z	2.406	2.406	0	%100
125	M138	X	.526	.526	0	%100
126	M138	Z	.912	.912	0	%100
127	M139	X	.526	.526	0	%100
128	M139	Z	.912	.912	0	%100
129	M144	X	.526	.526	0	%100
130	M144	Z	.912	.912	0	%100
131	M145	X	.526	.526	0	%100
132	M145	Z	.912	.912	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	.861	.861	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	2.608	2.608	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.708	.708	0	%100
7	MP2B	X	0	0	0	%100
8	MP2B	Z	2.778	2.778	0	%100
9	MP4B	X	0	0	0	%100
10	MP4B	Z	2.778	2.778	0	%100
11	MP1B	X	0	0	0	%100
12	MP1B	Z	2.778	2.778	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	.708	.708	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	1.107	1.107	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	3.26	3.26	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	.815	.815	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	3.268	3.268	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	4.423	4.423	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	4.616	4.616	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	3.268	3.268	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	1.106	1.106	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	1.154	1.154	0	%100
33	M52A	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft,%]	End Location[ft,%]
34	M52A	Z	0	0	%100
35	M53	X	0	0	%100
36	M53	Z	2.832	2.832	%100
37	M54	X	0	0	%100
38	M54	Z	2.832	2.832	%100
39	M55	X	0	0	%100
40	M55	Z	4.429	4.429	%100
41	M58A	X	0	0	%100
42	M58A	Z	.815	.815	%100
43	M59A	X	0	0	%100
44	M59A	Z	.815	.815	%100
45	M63	X	0	0	%100
46	M63	Z	0	0	%100
47	M64	X	0	0	%100
48	M64	Z	1.106	1.106	%100
49	M66	X	0	0	%100
50	M66	Z	1.154	1.154	%100
51	M68	X	0	0	%100
52	M68	Z	0	0	%100
53	M69	X	0	0	%100
54	M69	Z	1.106	1.106	%100
55	M71	X	0	0	%100
56	M71	Z	1.154	1.154	%100
57	M76A	X	0	0	%100
58	M76A	Z	2.608	2.608	%100
59	M77A	X	0	0	%100
60	M77A	Z	.708	.708	%100
61	M78	X	0	0	%100
62	M78	Z	.708	.708	%100
63	M79A	X	0	0	%100
64	M79A	Z	1.107	1.107	%100
65	M82	X	0	0	%100
66	M82	Z	.815	.815	%100
67	M83A	X	0	0	%100
68	M83A	Z	3.26	3.26	%100
69	M87	X	0	0	%100
70	M87	Z	3.268	3.268	%100
71	M88A	X	0	0	%100
72	M88A	Z	1.106	1.106	%100
73	M90	X	0	0	%100
74	M90	Z	1.154	1.154	%100
75	M92A	X	0	0	%100
76	M92A	Z	3.268	3.268	%100
77	M93	X	0	0	%100
78	M93	Z	4.423	4.423	%100
79	M95	X	0	0	%100
80	M95	Z	4.616	4.616	%100
81	M82A	X	0	0	%100
82	M82A	Z	3.445	3.445	%100
83	M91B	X	0	0	%100
84	M91B	Z	.861	.861	%100
85	MP3B	X	0	0	%100
86	MP3B	Z	2.778	2.778	%100
87	MP3A	X	0	0	%100
88	MP3A	Z	2.778	2.778	%100
89	MP2A	X	0	0	%100
90	MP2A	Z	2.778	2.778	%100
91	MP1A	X	0	0	%100
92	MP1A	Z	2.778	2.778	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
93	MP6C	X	0	0	0	%100
94	MP6C	Z	2.778	2.778	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	2.778	2.778	0	%100
97	MP1C2	X	0	0	0	%100
98	MP1C2	Z	2.778	2.778	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	2.546	2.546	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	.769	.769	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	3.074	3.074	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	.769	.769	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	.793	.793	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	3.171	3.171	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	.793	.793	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	2.778	2.778	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	.79	.79	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	.79	.79	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	.79	.79	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	.79	.79	0	%100
123	MP3C	X	0	0	0	%100
124	MP3C	Z	2.778	2.778	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	.79	.79	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	.79	.79	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	.79	.79	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	.79	.79	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-1.739	-1.739	0	%100
4	M4	Z	3.012	3.012	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	-1.389	-1.389	0	%100
8	MP2B	Z	2.406	2.406	0	%100
9	MP4B	X	-1.389	-1.389	0	%100
10	MP4B	Z	2.406	2.406	0	%100
11	MP1B	X	-1.389	-1.389	0	%100
12	MP1B	Z	2.406	2.406	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
16	M46	Z	0	0	0	%100
17	M51B	X	-1.222	-1.222	0	%100
18	M51B	Z	2.117	2.117	0	%100
19	M52B	X	-1.222	-1.222	0	%100
20	M52B	Z	2.117	2.117	0	%100
21	M76	X	-2.178	-2.178	0	%100
22	M76	Z	3.773	3.773	0	%100
23	M77	X	-1.659	-1.659	0	%100
24	M77	Z	2.873	2.873	0	%100
25	M80	X	-1.731	-1.731	0	%100
26	M80	Z	2.998	2.998	0	%100
27	M84	X	-2.178	-2.178	0	%100
28	M84	Z	3.773	3.773	0	%100
29	M85	X	-1.659	-1.659	0	%100
30	M85	Z	2.873	2.873	0	%100
31	M91	X	-1.731	-1.731	0	%100
32	M91	Z	2.998	2.998	0	%100
33	M52A	X	-.435	-.435	0	%100
34	M52A	Z	.753	.753	0	%100
35	M53	X	-1.062	-1.062	0	%100
36	M53	Z	1.84	1.84	0	%100
37	M54	X	-1.062	-1.062	0	%100
38	M54	Z	1.84	1.84	0	%100
39	M55	X	-1.661	-1.661	0	%100
40	M55	Z	2.877	2.877	0	%100
41	M58A	X	-1.222	-1.222	0	%100
42	M58A	Z	2.117	2.117	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-.545	-.545	0	%100
46	M63	Z	.943	.943	0	%100
47	M64	X	-1.659	-1.659	0	%100
48	M64	Z	2.873	2.873	0	%100
49	M66	X	-1.731	-1.731	0	%100
50	M66	Z	2.998	2.998	0	%100
51	M68	X	-.545	-.545	0	%100
52	M68	Z	.943	.943	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	-.435	-.435	0	%100
58	M76A	Z	.753	.753	0	%100
59	M77A	X	-1.062	-1.062	0	%100
60	M77A	Z	1.84	1.84	0	%100
61	M78	X	-1.062	-1.062	0	%100
62	M78	Z	1.84	1.84	0	%100
63	M79A	X	-1.661	-1.661	0	%100
64	M79A	Z	2.877	2.877	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	-1.222	-1.222	0	%100
68	M83A	Z	2.117	2.117	0	%100
69	M87	X	-.545	-.545	0	%100
70	M87	Z	.943	.943	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
75	M92A	X	-.545	-.545	0	%100
76	M92A	Z	.943	.943	0	%100
77	M93	X	-1.659	-1.659	0	%100
78	M93	Z	2.873	2.873	0	%100
79	M95	X	-1.731	-1.731	0	%100
80	M95	Z	2.998	2.998	0	%100
81	M82A	X	-1.292	-1.292	0	%100
82	M82A	Z	2.238	2.238	0	%100
83	M91B	X	-1.292	-1.292	0	%100
84	M91B	Z	2.238	2.238	0	%100
85	MP3B	X	-1.389	-1.389	0	%100
86	MP3B	Z	2.406	2.406	0	%100
87	MP3A	X	-1.389	-1.389	0	%100
88	MP3A	Z	2.406	2.406	0	%100
89	MP2A	X	-1.389	-1.389	0	%100
90	MP2A	Z	2.406	2.406	0	%100
91	MP1A	X	-1.389	-1.389	0	%100
92	MP1A	Z	2.406	2.406	0	%100
93	MP6C	X	-1.389	-1.389	0	%100
94	MP6C	Z	2.406	2.406	0	%100
95	MP2C	X	-1.389	-1.389	0	%100
96	MP2C	Z	2.406	2.406	0	%100
97	MP1C2	X	-1.389	-1.389	0	%100
98	MP1C2	Z	2.406	2.406	0	%100
99	M103	X	-1.273	-1.273	0	%100
100	M103	Z	2.205	2.205	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	-1.153	-1.153	0	%100
104	M111	Z	1.997	1.997	0	%100
105	M112	X	-1.153	-1.153	0	%100
106	M112	Z	1.997	1.997	0	%100
107	M126	X	-1.189	-1.189	0	%100
108	M126	Z	2.06	2.06	0	%100
109	M127	X	-1.189	-1.189	0	%100
110	M127	Z	2.06	2.06	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	-1.389	-1.389	0	%100
114	MP1C	Z	2.406	2.406	0	%100
115	M125A	X	-.132	-.132	0	%100
116	M125A	Z	.228	.228	0	%100
117	M126A	X	-.132	-.132	0	%100
118	M126A	Z	.228	.228	0	%100
119	M131	X	-.132	-.132	0	%100
120	M131	Z	.228	.228	0	%100
121	M132	X	-.132	-.132	0	%100
122	M132	Z	.228	.228	0	%100
123	MP3C	X	-1.389	-1.389	0	%100
124	MP3C	Z	2.406	2.406	0	%100
125	M138	X	-.132	-.132	0	%100
126	M138	Z	.228	.228	0	%100
127	M139	X	-.132	-.132	0	%100
128	M139	Z	.228	.228	0	%100
129	M144	X	-.132	-.132	0	%100
130	M144	Z	.228	.228	0	%100
131	M145	X	-.132	-.132	0	%100
132	M145	Z	.228	.228	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.746	-.746	0	%100
2	M1	Z	.431	.431	0	%100
3	M4	X	-2.259	-2.259	0	%100
4	M4	Z	1.304	1.304	0	%100
5	M10	X	-.613	-.613	0	%100
6	M10	Z	.354	.354	0	%100
7	MP2B	X	-2.406	-2.406	0	%100
8	MP2B	Z	1.389	1.389	0	%100
9	MP4B	X	-2.406	-2.406	0	%100
10	MP4B	Z	1.389	1.389	0	%100
11	MP1B	X	-2.406	-2.406	0	%100
12	MP1B	Z	1.389	1.389	0	%100
13	M43	X	-.613	-.613	0	%100
14	M43	Z	.354	.354	0	%100
15	M46	X	-.959	-.959	0	%100
16	M46	Z	.554	.554	0	%100
17	M51B	X	-.706	-.706	0	%100
18	M51B	Z	.407	.407	0	%100
19	M52B	X	-2.823	-2.823	0	%100
20	M52B	Z	1.63	1.63	0	%100
21	M76	X	-2.83	-2.83	0	%100
22	M76	Z	1.634	1.634	0	%100
23	M77	X	-.958	-.958	0	%100
24	M77	Z	.553	.553	0	%100
25	M80	X	-.999	-.999	0	%100
26	M80	Z	.577	.577	0	%100
27	M84	X	-2.83	-2.83	0	%100
28	M84	Z	1.634	1.634	0	%100
29	M85	X	-3.83	-3.83	0	%100
30	M85	Z	2.211	2.211	0	%100
31	M91	X	-3.997	-3.997	0	%100
32	M91	Z	2.308	2.308	0	%100
33	M52A	X	-2.259	-2.259	0	%100
34	M52A	Z	1.304	1.304	0	%100
35	M53	X	-.613	-.613	0	%100
36	M53	Z	.354	.354	0	%100
37	M54	X	-.613	-.613	0	%100
38	M54	Z	.354	.354	0	%100
39	M55	X	-.959	-.959	0	%100
40	M55	Z	.554	.554	0	%100
41	M58A	X	-2.823	-2.823	0	%100
42	M58A	Z	1.63	1.63	0	%100
43	M59A	X	-.706	-.706	0	%100
44	M59A	Z	.407	.407	0	%100
45	M63	X	-2.83	-2.83	0	%100
46	M63	Z	1.634	1.634	0	%100
47	M64	X	-3.83	-3.83	0	%100
48	M64	Z	2.211	2.211	0	%100
49	M66	X	-3.997	-3.997	0	%100
50	M66	Z	2.308	2.308	0	%100
51	M68	X	-2.83	-2.83	0	%100
52	M68	Z	1.634	1.634	0	%100
53	M69	X	-.958	-.958	0	%100
54	M69	Z	.553	.553	0	%100
55	M71	X	-.999	-.999	0	%100
56	M71	Z	.577	.577	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-2.453	-2.453	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
60	M77A	Z	1.416	1.416	0	%100
61	M78	X	-2.453	-2.453	0	%100
62	M78	Z	1.416	1.416	0	%100
63	M79A	X	-3.836	-3.836	0	%100
64	M79A	Z	2.215	2.215	0	%100
65	M82	X	-.706	-.706	0	%100
66	M82	Z	.407	.407	0	%100
67	M83A	X	-.706	-.706	0	%100
68	M83A	Z	.407	.407	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	-.958	-.958	0	%100
72	M88A	Z	.553	.553	0	%100
73	M90	X	-.999	-.999	0	%100
74	M90	Z	.577	.577	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-.958	-.958	0	%100
78	M93	Z	.553	.553	0	%100
79	M95	X	-.999	-.999	0	%100
80	M95	Z	.577	.577	0	%100
81	M82A	X	-.746	-.746	0	%100
82	M82A	Z	.431	.431	0	%100
83	M91B	X	-2.983	-2.983	0	%100
84	M91B	Z	1.722	1.722	0	%100
85	MP3B	X	-2.406	-2.406	0	%100
86	MP3B	Z	1.389	1.389	0	%100
87	MP3A	X	-2.406	-2.406	0	%100
88	MP3A	Z	1.389	1.389	0	%100
89	MP2A	X	-2.406	-2.406	0	%100
90	MP2A	Z	1.389	1.389	0	%100
91	MP1A	X	-2.406	-2.406	0	%100
92	MP1A	Z	1.389	1.389	0	%100
93	MP6C	X	-2.406	-2.406	0	%100
94	MP6C	Z	1.389	1.389	0	%100
95	MP2C	X	-2.406	-2.406	0	%100
96	MP2C	Z	1.389	1.389	0	%100
97	MP1C2	X	-2.406	-2.406	0	%100
98	MP1C2	Z	1.389	1.389	0	%100
99	M103	X	-2.205	-2.205	0	%100
100	M103	Z	1.273	1.273	0	%100
101	M104	X	-.666	-.666	0	%100
102	M104	Z	.384	.384	0	%100
103	M111	X	-.666	-.666	0	%100
104	M111	Z	.384	.384	0	%100
105	M112	X	-2.662	-2.662	0	%100
106	M112	Z	1.537	1.537	0	%100
107	M126	X	-2.746	-2.746	0	%100
108	M126	Z	1.586	1.586	0	%100
109	M127	X	-.687	-.687	0	%100
110	M127	Z	.396	.396	0	%100
111	M128	X	-.687	-.687	0	%100
112	M128	Z	.396	.396	0	%100
113	MP1C	X	-2.406	-2.406	0	%100
114	MP1C	Z	1.389	1.389	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
119	M131	X	0	0	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	-2.406	-2.406	0	%100
124	MP3C	Z	1.389	1.389	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-2.584	-2.584	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.869	-.869	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	-2.124	-2.124	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	-2.778	-2.778	0	%100
8	MP2B	Z	0	0	0	%100
9	MP4B	X	-2.778	-2.778	0	%100
10	MP4B	Z	0	0	0	%100
11	MP1B	X	-2.778	-2.778	0	%100
12	MP1B	Z	0	0	0	%100
13	M43	X	-2.124	-2.124	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	-3.322	-3.322	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-2.445	-2.445	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-1.089	-1.089	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-1.089	-1.089	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	-3.317	-3.317	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	-3.462	-3.462	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-3.478	-3.478	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-2.445	-2.445	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude/lb/ft...	End Magnitude/lb/ft...	Start Location(ft.%)	End Location(ft.%)
42	M58A	Z	0	0	0	%100
43	M59A	X	-2.445	-2.445	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-4.357	-4.357	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-3.317	-3.317	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-3.462	-3.462	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-4.357	-4.357	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-3.317	-3.317	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	-3.462	-3.462	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	-.869	-.869	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-2.124	-2.124	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	-2.124	-2.124	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	-3.322	-3.322	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	-2.445	-2.445	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-1.089	-1.089	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	-3.317	-3.317	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	-3.462	-3.462	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	-1.089	-1.089	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-2.584	-2.584	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	-2.778	-2.778	0	%100
86	MP3B	Z	0	0	0	%100
87	MP3A	X	-2.778	-2.778	0	%100
88	MP3A	Z	0	0	0	%100
89	MP2A	X	-2.778	-2.778	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	-2.778	-2.778	0	%100
92	MP1A	Z	0	0	0	%100
93	MP6C	X	-2.778	-2.778	0	%100
94	MP6C	Z	0	0	0	%100
95	MP2C	X	-2.778	-2.778	0	%100
96	MP2C	Z	0	0	0	%100
97	MP1C2	X	-2.778	-2.778	0	%100
98	MP1C2	Z	0	0	0	%100
99	M103	X	-2.546	-2.546	0	%100
100	M103	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
101	M104	X	-2.306	-2.306	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	-2.306	-2.306	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	-2.378	-2.378	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	0	0	0	%100
111	M128	X	-2.378	-2.378	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	-2.778	-2.778	0	%100
114	MP1C	Z	0	0	0	%100
115	M125A	X	-.263	-.263	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	-.263	-.263	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	-.263	-.263	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	-.263	-.263	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	-2.778	-2.778	0	%100
124	MP3C	Z	0	0	0	%100
125	M138	X	-.263	-.263	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	-.263	-.263	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	-.263	-.263	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	-.263	-.263	0	%100
132	M145	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....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-2.983	-2.983	0	%100
2	M1	Z	-1.722	-1.722	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	-2.453	-2.453	0	%100
6	M10	Z	-1.416	-1.416	0	%100
7	MP2B	X	-2.406	-2.406	0	%100
8	MP2B	Z	-1.389	-1.389	0	%100
9	MP4B	X	-2.406	-2.406	0	%100
10	MP4B	Z	-1.389	-1.389	0	%100
11	MP1B	X	-2.406	-2.406	0	%100
12	MP1B	Z	-1.389	-1.389	0	%100
13	M43	X	-2.453	-2.453	0	%100
14	M43	Z	-1.416	-1.416	0	%100
15	M46	X	-3.836	-3.836	0	%100
16	M46	Z	-2.215	-2.215	0	%100
17	M51B	X	-.706	-.706	0	%100
18	M51B	Z	-.407	-.407	0	%100
19	M52B	X	-.706	-.706	0	%100
20	M52B	Z	-.407	-.407	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	-.958	-.958	0	%100



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

	Member Label	Direction	Start Magnitude/lb/ft...	End Magnitude/lb/ft...	Start Location/ft. %	End Location/ft. %
24	M77	Z	-553	-553	0	%100
25	M80	X	-999	-999	0	%100
26	M80	Z	-577	-577	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	-958	-958	0	%100
30	M85	Z	-553	-553	0	%100
31	M91	X	-999	-999	0	%100
32	M91	Z	-577	-577	0	%100
33	M52A	X	-2.259	-2.259	0	%100
34	M52A	Z	-1.304	-1.304	0	%100
35	M53	X	-613	-613	0	%100
36	M53	Z	-354	-354	0	%100
37	M54	X	-613	-613	0	%100
38	M54	Z	-354	-354	0	%100
39	M55	X	-959	-959	0	%100
40	M55	Z	-554	-554	0	%100
41	M58A	X	-706	-706	0	%100
42	M58A	Z	-407	-407	0	%100
43	M59A	X	-2.823	-2.823	0	%100
44	M59A	Z	-1.63	-1.63	0	%100
45	M63	X	-2.83	-2.83	0	%100
46	M63	Z	-1.634	-1.634	0	%100
47	M64	X	-958	-958	0	%100
48	M64	Z	-553	-553	0	%100
49	M66	X	-999	-999	0	%100
50	M66	Z	-577	-577	0	%100
51	M68	X	-2.83	-2.83	0	%100
52	M68	Z	-1.634	-1.634	0	%100
53	M69	X	-3.83	-3.83	0	%100
54	M69	Z	-2.211	-2.211	0	%100
55	M71	X	-3.997	-3.997	0	%100
56	M71	Z	-2.308	-2.308	0	%100
57	M76A	X	-2.259	-2.259	0	%100
58	M76A	Z	-1.304	-1.304	0	%100
59	M77A	X	-613	-613	0	%100
60	M77A	Z	-354	-354	0	%100
61	M78	X	-613	-613	0	%100
62	M78	Z	-354	-354	0	%100
63	M79A	X	-959	-959	0	%100
64	M79A	Z	-554	-554	0	%100
65	M82	X	-2.823	-2.823	0	%100
66	M82	Z	-1.63	-1.63	0	%100
67	M83A	X	-706	-706	0	%100
68	M83A	Z	-407	-407	0	%100
69	M87	X	-2.83	-2.83	0	%100
70	M87	Z	-1.634	-1.634	0	%100
71	M88A	X	-3.83	-3.83	0	%100
72	M88A	Z	-2.211	-2.211	0	%100
73	M90	X	-3.997	-3.997	0	%100
74	M90	Z	-2.308	-2.308	0	%100
75	M92A	X	-2.83	-2.83	0	%100
76	M92A	Z	-1.634	-1.634	0	%100
77	M93	X	-958	-958	0	%100
78	M93	Z	-553	-553	0	%100
79	M95	X	-999	-999	0	%100
80	M95	Z	-577	-577	0	%100
81	M82A	X	-746	-746	0	%100
82	M82A	Z	-431	-431	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft. %]	End Location[ft. %]
83	M91B	X	-746	-746	0	%100
84	M91B	Z	-431	-431	0	%100
85	MP3B	X	-2.406	-2.406	0	%100
86	MP3B	Z	-1.389	-1.389	0	%100
87	MP3A	X	-2.406	-2.406	0	%100
88	MP3A	Z	-1.389	-1.389	0	%100
89	MP2A	X	-2.406	-2.406	0	%100
90	MP2A	Z	-1.389	-1.389	0	%100
91	MP1A	X	-2.406	-2.406	0	%100
92	MP1A	Z	-1.389	-1.389	0	%100
93	MP6C	X	-2.406	-2.406	0	%100
94	MP6C	Z	-1.389	-1.389	0	%100
95	MP2C	X	-2.406	-2.406	0	%100
96	MP2C	Z	-1.389	-1.389	0	%100
97	MP1C2	X	-2.406	-2.406	0	%100
98	MP1C2	Z	-1.389	-1.389	0	%100
99	M103	X	-2.205	-2.205	0	%100
100	M103	Z	-1.273	-1.273	0	%100
101	M104	X	-2.662	-2.662	0	%100
102	M104	Z	-1.537	-1.537	0	%100
103	M111	X	-666	-666	0	%100
104	M111	Z	-384	-384	0	%100
105	M112	X	-666	-666	0	%100
106	M112	Z	-384	-384	0	%100
107	M126	X	-687	-687	0	%100
108	M126	Z	-396	-396	0	%100
109	M127	X	-687	-687	0	%100
110	M127	Z	-396	-396	0	%100
111	M128	X	-2.746	-2.746	0	%100
112	M128	Z	-1.586	-1.586	0	%100
113	MP1C	X	-2.406	-2.406	0	%100
114	MP1C	Z	-1.389	-1.389	0	%100
115	M125A	X	-684	-684	0	%100
116	M125A	Z	-395	-395	0	%100
117	M126A	X	-684	-684	0	%100
118	M126A	Z	-395	-395	0	%100
119	M131	X	-684	-684	0	%100
120	M131	Z	-395	-395	0	%100
121	M132	X	-684	-684	0	%100
122	M132	Z	-395	-395	0	%100
123	MP3C	X	-2.406	-2.406	0	%100
124	MP3C	Z	-1.389	-1.389	0	%100
125	M138	X	-684	-684	0	%100
126	M138	Z	-395	-395	0	%100
127	M139	X	-684	-684	0	%100
128	M139	Z	-395	-395	0	%100
129	M144	X	-684	-684	0	%100
130	M144	Z	-395	-395	0	%100
131	M145	X	-684	-684	0	%100
132	M145	Z	-395	-395	0	%100

**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	M1	X	-1.292	-1.292	0	%100
2	M1	Z	-2.238	-2.238	0	%100
3	M4	X	-435	-435	0	%100
4	M4	Z	-753	-753	0	%100
5	M10	X	-1.062	-1.062	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
6	M10	Z	-1.84	-1.84	0	%100
7	MP2B	X	-1.389	-1.389	0	%100
8	MP2B	Z	-2.406	-2.406	0	%100
9	MP4B	X	-1.389	-1.389	0	%100
10	MP4B	Z	-2.406	-2.406	0	%100
11	MP1B	X	-1.389	-1.389	0	%100
12	MP1B	Z	-2.406	-2.406	0	%100
13	M43	X	-1.062	-1.062	0	%100
14	M43	Z	-1.84	-1.84	0	%100
15	M46	X	-1.661	-1.661	0	%100
16	M46	Z	-2.877	-2.877	0	%100
17	M51B	X	-1.222	-1.222	0	%100
18	M51B	Z	-2.117	-2.117	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-.545	-.545	0	%100
22	M76	Z	-.943	-.943	0	%100
23	M77	X	-1.659	-1.659	0	%100
24	M77	Z	-2.873	-2.873	0	%100
25	M80	X	-1.731	-1.731	0	%100
26	M80	Z	-2.998	-2.998	0	%100
27	M84	X	-.545	-.545	0	%100
28	M84	Z	-.943	-.943	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-.435	-.435	0	%100
34	M52A	Z	-.753	-.753	0	%100
35	M53	X	-1.062	-1.062	0	%100
36	M53	Z	-1.84	-1.84	0	%100
37	M54	X	-1.062	-1.062	0	%100
38	M54	Z	-1.84	-1.84	0	%100
39	M55	X	-1.661	-1.661	0	%100
40	M55	Z	-2.877	-2.877	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-1.222	-1.222	0	%100
44	M59A	Z	-2.117	-2.117	0	%100
45	M63	X	-.545	-.545	0	%100
46	M63	Z	-.943	-.943	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-.545	-.545	0	%100
52	M68	Z	-.943	-.943	0	%100
53	M69	X	-1.659	-1.659	0	%100
54	M69	Z	-2.873	-2.873	0	%100
55	M71	X	-1.731	-1.731	0	%100
56	M71	Z	-2.998	-2.998	0	%100
57	M76A	X	-1.739	-1.739	0	%100
58	M76A	Z	-3.012	-3.012	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft...	Start Location[ft.%]	End Location[ft.%]
65	M82	X	-1.222	-1.222	0	%100
66	M82	Z	-2.117	-2.117	0	%100
67	M83A	X	-1.222	-1.222	0	%100
68	M83A	Z	-2.117	-2.117	0	%100
69	M87	X	-2.178	-2.178	0	%100
70	M87	Z	-3.773	-3.773	0	%100
71	M88A	X	-1.659	-1.659	0	%100
72	M88A	Z	-2.873	-2.873	0	%100
73	M90	X	-1.731	-1.731	0	%100
74	M90	Z	-2.998	-2.998	0	%100
75	M92A	X	-2.178	-2.178	0	%100
76	M92A	Z	-3.773	-3.773	0	%100
77	M93	X	-1.659	-1.659	0	%100
78	M93	Z	-2.873	-2.873	0	%100
79	M95	X	-1.731	-1.731	0	%100
80	M95	Z	-2.998	-2.998	0	%100
81	M82A	X	-1.292	-1.292	0	%100
82	M82A	Z	-2.238	-2.238	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	-1.389	-1.389	0	%100
86	MP3B	Z	-2.406	-2.406	0	%100
87	MP3A	X	-1.389	-1.389	0	%100
88	MP3A	Z	-2.406	-2.406	0	%100
89	MP2A	X	-1.389	-1.389	0	%100
90	MP2A	Z	-2.406	-2.406	0	%100
91	MP1A	X	-1.389	-1.389	0	%100
92	MP1A	Z	-2.406	-2.406	0	%100
93	MP6C	X	-1.389	-1.389	0	%100
94	MP6C	Z	-2.406	-2.406	0	%100
95	MP2C	X	-1.389	-1.389	0	%100
96	MP2C	Z	-2.406	-2.406	0	%100
97	MP1C2	X	-1.389	-1.389	0	%100
98	MP1C2	Z	-2.406	-2.406	0	%100
99	M103	X	-1.273	-1.273	0	%100
100	M103	Z	-2.205	-2.205	0	%100
101	M104	X	-1.153	-1.153	0	%100
102	M104	Z	-1.997	-1.997	0	%100
103	M111	X	-1.153	-1.153	0	%100
104	M111	Z	-1.997	-1.997	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	-1.189	-1.189	0	%100
110	M127	Z	-2.06	-2.06	0	%100
111	M128	X	-1.189	-1.189	0	%100
112	M128	Z	-2.06	-2.06	0	%100
113	MP1C	X	-1.389	-1.389	0	%100
114	MP1C	Z	-2.406	-2.406	0	%100
115	M125A	X	-526	-526	0	%100
116	M125A	Z	-912	-912	0	%100
117	M126A	X	-526	-526	0	%100
118	M126A	Z	-912	-912	0	%100
119	M131	X	-526	-526	0	%100
120	M131	Z	-912	-912	0	%100
121	M132	X	-526	-526	0	%100
122	M132	Z	-912	-912	0	%100
123	MP3C	X	-1.389	-1.389	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
124	MP3C	Z	-2.406	-2.406	0	%100
125	M138	X	-.526	-.526	0	%100
126	M138	Z	-.912	-.912	0	%100
127	M139	X	-.526	-.526	0	%100
128	M139	Z	-.912	-.912	0	%100
129	M144	X	-.526	-.526	0	%100
130	M144	Z	-.912	-.912	0	%100
131	M145	X	-.526	-.526	0	%100
132	M145	Z	-.912	-.912	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-.185	-.185	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	-.569	-.569	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.161	-.161	0	%100
7	MP2B	X	0	0	0	%100
8	MP2B	Z	-.507	-.507	0	%100
9	MP4B	X	0	0	0	%100
10	MP4B	Z	-.507	-.507	0	%100
11	MP1B	X	0	0	0	%100
12	MP1B	Z	-.507	-.507	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	-.161	-.161	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-.32	-.32	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	-.711	-.711	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	-.178	-.178	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	-.961	-.961	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	-1.305	-1.305	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	-1.374	-1.374	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	-.961	-.961	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	-.326	-.326	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	-.344	-.344	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-.642	-.642	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-.642	-.642	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	-1.281	-1.281	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	-.178	-.178	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	-.178	-.178	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft. %]	End Location[ft. %]
47	M64	X	0	0	0	%100
48	M64	Z	-.326	-.326	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	-.344	-.344	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-.326	-.326	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	-.344	-.344	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	-.569	-.569	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	-.161	-.161	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	-.161	-.161	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	-.32	-.32	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	-.178	-.178	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	-.711	-.711	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	-.961	-.961	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	-.326	-.326	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	-.344	-.344	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	-.961	-.961	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-1.305	-1.305	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	-1.374	-1.374	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	-.738	-.738	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	-.185	-.185	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	-.507	-.507	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	-.507	-.507	0	%100
89	MP2A	X	0	0	0	%100
90	MP2A	Z	-.507	-.507	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	-.507	-.507	0	%100
93	MP6C	X	0	0	0	%100
94	MP6C	Z	-.507	-.507	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-.507	-.507	0	%100
97	MP1C2	X	0	0	0	%100
98	MP1C2	Z	-.507	-.507	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	-.462	-.462	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	-.153	-.153	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	-.614	-.614	0	%100
105	M112	X	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
106	M112	Z	-.153	-.153	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	-.194	-.194	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	-.775	-.775	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	-.194	-.194	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	-.507	-.507	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	-.069	-.069	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	-.069	-.069	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	-.069	-.069	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	-.069	-.069	0	%100
123	MP3C	X	0	0	0	%100
124	MP3C	Z	-.507	-.507	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	-.069	-.069	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	-.069	-.069	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	-.069	-.069	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	-.069	-.069	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.379	.379	0	%100
4	M4	Z	-.657	-.657	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	.254	.254	0	%100
8	MP2B	Z	-.439	-.439	0	%100
9	MP4B	X	.254	.254	0	%100
10	MP4B	Z	-.439	-.439	0	%100
11	MP1B	X	.254	.254	0	%100
12	MP1B	Z	-.439	-.439	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	.267	.267	0	%100
18	M51B	Z	-.462	-.462	0	%100
19	M52B	X	.267	.267	0	%100
20	M52B	Z	-.462	-.462	0	%100
21	M76	X	.64	.64	0	%100
22	M76	Z	-1.109	-1.109	0	%100
23	M77	X	.489	.489	0	%100
24	M77	Z	-.847	-.847	0	%100
25	M80	X	.515	.515	0	%100
26	M80	Z	-.893	-.893	0	%100
27	M84	X	.64	.64	0	%100
28	M84	Z	-1.109	-1.109	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft...	Start Location[ft.%]	End Location[ft.%]
29	M85	X	.489	.489	0 %100
30	M85	Z	-.847	-.847	0 %100
31	M91	X	.515	.515	0 %100
32	M91	Z	-.893	-.893	0 %100
33	M52A	X	.095	.095	0 %100
34	M52A	Z	-.164	-.164	0 %100
35	M53	X	.241	.241	0 %100
36	M53	Z	-.417	-.417	0 %100
37	M54	X	.241	.241	0 %100
38	M54	Z	-.417	-.417	0 %100
39	M55	X	.48	.48	0 %100
40	M55	Z	-.832	-.832	0 %100
41	M58A	X	.267	.267	0 %100
42	M58A	Z	-.462	-.462	0 %100
43	M59A	X	0	0	0 %100
44	M59A	Z	0	0	0 %100
45	M63	X	.16	.16	0 %100
46	M63	Z	-.277	-.277	0 %100
47	M64	X	.489	.489	0 %100
48	M64	Z	-.847	-.847	0 %100
49	M66	X	.515	.515	0 %100
50	M66	Z	-.893	-.893	0 %100
51	M68	X	.16	.16	0 %100
52	M68	Z	-.277	-.277	0 %100
53	M69	X	0	0	0 %100
54	M69	Z	0	0	0 %100
55	M71	X	0	0	0 %100
56	M71	Z	0	0	0 %100
57	M76A	X	.095	.095	0 %100
58	M76A	Z	-.164	-.164	0 %100
59	M77A	X	.241	.241	0 %100
60	M77A	Z	-.417	-.417	0 %100
61	M78	X	.241	.241	0 %100
62	M78	Z	-.417	-.417	0 %100
63	M79A	X	.48	.48	0 %100
64	M79A	Z	-.832	-.832	0 %100
65	M82	X	0	0	0 %100
66	M82	Z	0	0	0 %100
67	M83A	X	.267	.267	0 %100
68	M83A	Z	-.462	-.462	0 %100
69	M87	X	.16	.16	0 %100
70	M87	Z	-.277	-.277	0 %100
71	M88A	X	0	0	0 %100
72	M88A	Z	0	0	0 %100
73	M90	X	0	0	0 %100
74	M90	Z	0	0	0 %100
75	M92A	X	.16	.16	0 %100
76	M92A	Z	-.277	-.277	0 %100
77	M93	X	.489	.489	0 %100
78	M93	Z	-.847	-.847	0 %100
79	M95	X	.515	.515	0 %100
80	M95	Z	-.893	-.893	0 %100
81	M82A	X	.277	.277	0 %100
82	M82A	Z	-.48	-.48	0 %100
83	M91B	X	.277	.277	0 %100
84	M91B	Z	-.48	-.48	0 %100
85	MP3B	X	.254	.254	0 %100
86	MP3B	Z	-.439	-.439	0 %100
87	MP3A	X	.254	.254	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
88	MP3A	Z	-.439	-.439	0	%100
89	MP2A	X	.254	.254	0	%100
90	MP2A	Z	-.439	-.439	0	%100
91	MP1A	X	.254	.254	0	%100
92	MP1A	Z	-.439	-.439	0	%100
93	MP6C	X	.254	.254	0	%100
94	MP6C	Z	-.439	-.439	0	%100
95	MP2C	X	.254	.254	0	%100
96	MP2C	Z	-.439	-.439	0	%100
97	MP1C2	X	.254	.254	0	%100
98	MP1C2	Z	-.439	-.439	0	%100
99	M103	X	.231	.231	0	%100
100	M103	Z	-.4	-.4	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	.23	.23	0	%100
104	M111	Z	-.399	-.399	0	%100
105	M112	X	.23	.23	0	%100
106	M112	Z	-.399	-.399	0	%100
107	M126	X	.291	.291	0	%100
108	M126	Z	-.503	-.503	0	%100
109	M127	X	.291	.291	0	%100
110	M127	Z	-.503	-.503	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	.254	.254	0	%100
114	MP1C	Z	-.439	-.439	0	%100
115	M125A	X	.011	.011	0	%100
116	M125A	Z	-.02	-.02	0	%100
117	M126A	X	.011	.011	0	%100
118	M126A	Z	-.02	-.02	0	%100
119	M131	X	.011	.011	0	%100
120	M131	Z	-.02	-.02	0	%100
121	M132	X	.011	.011	0	%100
122	M132	Z	-.02	-.02	0	%100
123	MP3C	X	.254	.254	0	%100
124	MP3C	Z	-.439	-.439	0	%100
125	M138	X	.011	.011	0	%100
126	M138	Z	-.02	-.02	0	%100
127	M139	X	.011	.011	0	%100
128	M139	Z	-.02	-.02	0	%100
129	M144	X	.011	.011	0	%100
130	M144	Z	-.02	-.02	0	%100
131	M145	X	.011	.011	0	%100
132	M145	Z	-.02	-.02	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.16	.16	0	%100
2	M1	Z	-.092	-.092	0	%100
3	M4	X	.493	.493	0	%100
4	M4	Z	-.285	-.285	0	%100
5	M10	X	.139	.139	0	%100
6	M10	Z	-.08	-.08	0	%100
7	MP2B	X	.439	.439	0	%100
8	MP2B	Z	-.254	-.254	0	%100
9	MP4B	X	.439	.439	0	%100
10	MP4B	Z	-.254	-.254	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
11	MP1B	X	.439	.439	0	%100
12	MP1B	Z	-.254	-.254	0	%100
13	M43	X	.139	.139	0	%100
14	M43	Z	-.08	-.08	0	%100
15	M46	X	.277	.277	0	%100
16	M46	Z	-.16	-.16	0	%100
17	M51B	X	.154	.154	0	%100
18	M51B	Z	-.089	-.089	0	%100
19	M52B	X	.616	.616	0	%100
20	M52B	Z	-.356	-.356	0	%100
21	M76	X	.832	.832	0	%100
22	M76	Z	-.48	-.48	0	%100
23	M77	X	.282	.282	0	%100
24	M77	Z	-.163	-.163	0	%100
25	M80	X	.298	.298	0	%100
26	M80	Z	-.172	-.172	0	%100
27	M84	X	.832	.832	0	%100
28	M84	Z	-.48	-.48	0	%100
29	M85	X	1.13	1.13	0	%100
30	M85	Z	-.652	-.652	0	%100
31	M91	X	1.19	1.19	0	%100
32	M91	Z	-.687	-.687	0	%100
33	M52A	X	.493	.493	0	%100
34	M52A	Z	-.285	-.285	0	%100
35	M53	X	.139	.139	0	%100
36	M53	Z	-.08	-.08	0	%100
37	M54	X	.139	.139	0	%100
38	M54	Z	-.08	-.08	0	%100
39	M55	X	.277	.277	0	%100
40	M55	Z	-.16	-.16	0	%100
41	M58A	X	.616	.616	0	%100
42	M58A	Z	-.356	-.356	0	%100
43	M59A	X	.154	.154	0	%100
44	M59A	Z	-.089	-.089	0	%100
45	M63	X	.832	.832	0	%100
46	M63	Z	-.48	-.48	0	%100
47	M64	X	1.13	1.13	0	%100
48	M64	Z	-.652	-.652	0	%100
49	M66	X	1.19	1.19	0	%100
50	M66	Z	-.687	-.687	0	%100
51	M68	X	.832	.832	0	%100
52	M68	Z	-.48	-.48	0	%100
53	M69	X	.282	.282	0	%100
54	M69	Z	-.163	-.163	0	%100
55	M71	X	.298	.298	0	%100
56	M71	Z	-.172	-.172	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	.556	.556	0	%100
60	M77A	Z	-.321	-.321	0	%100
61	M78	X	.556	.556	0	%100
62	M78	Z	-.321	-.321	0	%100
63	M79A	X	1.109	1.109	0	%100
64	M79A	Z	-.64	-.64	0	%100
65	M82	X	.154	.154	0	%100
66	M82	Z	-.089	-.089	0	%100
67	M83A	X	.154	.154	0	%100
68	M83A	Z	-.089	-.089	0	%100
69	M87	X	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
70	M87	Z	0	0	0	%100
71	M88A	X	.282	.282	0	%100
72	M88A	Z	-.163	-.163	0	%100
73	M90	X	.298	.298	0	%100
74	M90	Z	-.172	-.172	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	.282	.282	0	%100
78	M93	Z	-.163	-.163	0	%100
79	M95	X	.298	.298	0	%100
80	M95	Z	-.172	-.172	0	%100
81	M82A	X	.16	.16	0	%100
82	M82A	Z	-.092	-.092	0	%100
83	M91B	X	.639	.639	0	%100
84	M91B	Z	-.369	-.369	0	%100
85	MP3B	X	.439	.439	0	%100
86	MP3B	Z	-.254	-.254	0	%100
87	MP3A	X	.439	.439	0	%100
88	MP3A	Z	-.254	-.254	0	%100
89	MP2A	X	.439	.439	0	%100
90	MP2A	Z	-.254	-.254	0	%100
91	MP1A	X	.439	.439	0	%100
92	MP1A	Z	-.254	-.254	0	%100
93	MP6C	X	.439	.439	0	%100
94	MP6C	Z	-.254	-.254	0	%100
95	MP2C	X	.439	.439	0	%100
96	MP2C	Z	-.254	-.254	0	%100
97	MP1C2	X	.439	.439	0	%100
98	MP1C2	Z	-.254	-.254	0	%100
99	M103	X	.4	.4	0	%100
100	M103	Z	-.231	-.231	0	%100
101	M104	X	.133	.133	0	%100
102	M104	Z	-.077	-.077	0	%100
103	M111	X	.133	.133	0	%100
104	M111	Z	-.077	-.077	0	%100
105	M112	X	.532	.532	0	%100
106	M112	Z	-.307	-.307	0	%100
107	M126	X	.671	.671	0	%100
108	M126	Z	-.388	-.388	0	%100
109	M127	X	.168	.168	0	%100
110	M127	Z	-.097	-.097	0	%100
111	M128	X	.168	.168	0	%100
112	M128	Z	-.097	-.097	0	%100
113	MP1C	X	.439	.439	0	%100
114	MP1C	Z	-.254	-.254	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	.439	.439	0	%100
124	MP3C	Z	-.254	-.254	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
129	M144	X	0	0	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.554	.554	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.19	.19	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	.482	.482	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	.507	.507	0	%100
8	MP2B	Z	0	0	0	%100
9	MP4B	X	.507	.507	0	%100
10	MP4B	Z	0	0	0	%100
11	MP1B	X	.507	.507	0	%100
12	MP1B	Z	0	0	0	%100
13	M43	X	.482	.482	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	.961	.961	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	.533	.533	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	.32	.32	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	.32	.32	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	.978	.978	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	1.031	1.031	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	.759	.759	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	.533	.533	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	.533	.533	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	1.281	1.281	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	.978	.978	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	1.031	1.031	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	1.281	1.281	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude/lb/ft....	End Magnitude/lb/ft....	Start Location/ft.%	End Location/ft.%
52	M68	Z	0	0	0	%100
53	M69	X	.978	.978	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	1.031	1.031	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	.19	.19	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	.482	.482	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	.482	.482	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	.961	.961	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	.533	.533	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	.32	.32	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	.978	.978	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	1.031	1.031	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	.32	.32	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	.554	.554	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	.507	.507	0	%100
86	MP3B	Z	0	0	0	%100
87	MP3A	X	.507	.507	0	%100
88	MP3A	Z	0	0	0	%100
89	MP2A	X	.507	.507	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	.507	.507	0	%100
92	MP1A	Z	0	0	0	%100
93	MP6C	X	.507	.507	0	%100
94	MP6C	Z	0	0	0	%100
95	MP2C	X	.507	.507	0	%100
96	MP2C	Z	0	0	0	%100
97	MP1C2	X	.507	.507	0	%100
98	MP1C2	Z	0	0	0	%100
99	M103	X	.462	.462	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	.46	.46	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	.46	.46	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	.581	.581	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
111	M128	X	.581	.581	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	.507	.507	0	%100
114	MP1C	Z	0	0	0	%100
115	M125A	X	.023	.023	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	.023	.023	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	.023	.023	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	.023	.023	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	.507	.507	0	%100
124	MP3C	Z	0	0	0	%100
125	M138	X	.023	.023	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	.023	.023	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	.023	.023	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	.023	.023	0	%100
132	M145	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.639	.639	0	%100
2	M1	Z	.369	.369	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	.556	.556	0	%100
6	M10	Z	.321	.321	0	%100
7	MP2B	X	.439	.439	0	%100
8	MP2B	Z	.254	.254	0	%100
9	MP4B	X	.439	.439	0	%100
10	MP4B	Z	.254	.254	0	%100
11	MP1B	X	.439	.439	0	%100
12	MP1B	Z	.254	.254	0	%100
13	M43	X	.556	.556	0	%100
14	M43	Z	.321	.321	0	%100
15	M46	X	1.109	1.109	0	%100
16	M46	Z	.64	.64	0	%100
17	M51B	X	.154	.154	0	%100
18	M51B	Z	.089	.089	0	%100
19	M52B	X	.154	.154	0	%100
20	M52B	Z	.089	.089	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	.282	.282	0	%100
24	M77	Z	.163	.163	0	%100
25	M80	X	.298	.298	0	%100
26	M80	Z	.172	.172	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	.282	.282	0	%100
30	M85	Z	.163	.163	0	%100
31	M91	X	.298	.298	0	%100
32	M91	Z	.172	.172	0	%100
33	M52A	X	.493	.493	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude/lb/ft...	End Magnitude/lb/ft...	Start Locationft.%]	End Locationft.%]
34	M52A	Z	.285	.285	0	%100
35	M53	X	.139	.139	0	%100
36	M53	Z	.08	.08	0	%100
37	M54	X	.139	.139	0	%100
38	M54	Z	.08	.08	0	%100
39	M55	X	.277	.277	0	%100
40	M55	Z	.16	.16	0	%100
41	M58A	X	.154	.154	0	%100
42	M58A	Z	.089	.089	0	%100
43	M59A	X	.616	.616	0	%100
44	M59A	Z	.356	.356	0	%100
45	M63	X	.832	.832	0	%100
46	M63	Z	.48	.48	0	%100
47	M64	X	.282	.282	0	%100
48	M64	Z	.163	.163	0	%100
49	M66	X	.298	.298	0	%100
50	M66	Z	.172	.172	0	%100
51	M68	X	.832	.832	0	%100
52	M68	Z	.48	.48	0	%100
53	M69	X	1.13	1.13	0	%100
54	M69	Z	.652	.652	0	%100
55	M71	X	1.19	1.19	0	%100
56	M71	Z	.687	.687	0	%100
57	M76A	X	.493	.493	0	%100
58	M76A	Z	.285	.285	0	%100
59	M77A	X	.139	.139	0	%100
60	M77A	Z	.08	.08	0	%100
61	M78	X	.139	.139	0	%100
62	M78	Z	.08	.08	0	%100
63	M79A	X	.277	.277	0	%100
64	M79A	Z	.16	.16	0	%100
65	M82	X	.616	.616	0	%100
66	M82	Z	.356	.356	0	%100
67	M83A	X	.154	.154	0	%100
68	M83A	Z	.089	.089	0	%100
69	M87	X	.832	.832	0	%100
70	M87	Z	.48	.48	0	%100
71	M88A	X	1.13	1.13	0	%100
72	M88A	Z	.652	.652	0	%100
73	M90	X	1.19	1.19	0	%100
74	M90	Z	.687	.687	0	%100
75	M92A	X	.832	.832	0	%100
76	M92A	Z	.48	.48	0	%100
77	M93	X	.282	.282	0	%100
78	M93	Z	.163	.163	0	%100
79	M95	X	.298	.298	0	%100
80	M95	Z	.172	.172	0	%100
81	M82A	X	.16	.16	0	%100
82	M82A	Z	.092	.092	0	%100
83	M91B	X	.16	.16	0	%100
84	M91B	Z	.092	.092	0	%100
85	MP3B	X	.439	.439	0	%100
86	MP3B	Z	.254	.254	0	%100
87	MP3A	X	.439	.439	0	%100
88	MP3A	Z	.254	.254	0	%100
89	MP2A	X	.439	.439	0	%100
90	MP2A	Z	.254	.254	0	%100
91	MP1A	X	.439	.439	0	%100
92	MP1A	Z	.254	.254	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
93	MP6C	X	.439	.439	0 %100
94	MP6C	Z	.254	.254	0 %100
95	MP2C	X	.439	.439	0 %100
96	MP2C	Z	.254	.254	0 %100
97	MP1C2	X	.439	.439	0 %100
98	MP1C2	Z	.254	.254	0 %100
99	M103	X	.4	.4	0 %100
100	M103	Z	.231	.231	0 %100
101	M104	X	.532	.532	0 %100
102	M104	Z	.307	.307	0 %100
103	M111	X	.133	.133	0 %100
104	M111	Z	.077	.077	0 %100
105	M112	X	.133	.133	0 %100
106	M112	Z	.077	.077	0 %100
107	M126	X	.168	.168	0 %100
108	M126	Z	.097	.097	0 %100
109	M127	X	.168	.168	0 %100
110	M127	Z	.097	.097	0 %100
111	M128	X	.671	.671	0 %100
112	M128	Z	.388	.388	0 %100
113	MP1C	X	.439	.439	0 %100
114	MP1C	Z	.254	.254	0 %100
115	M125A	X	.059	.059	0 %100
116	M125A	Z	.034	.034	0 %100
117	M126A	X	.059	.059	0 %100
118	M126A	Z	.034	.034	0 %100
119	M131	X	.059	.059	0 %100
120	M131	Z	.034	.034	0 %100
121	M132	X	.059	.059	0 %100
122	M132	Z	.034	.034	0 %100
123	MP3C	X	.439	.439	0 %100
124	MP3C	Z	.254	.254	0 %100
125	M138	X	.059	.059	0 %100
126	M138	Z	.034	.034	0 %100
127	M139	X	.059	.059	0 %100
128	M139	Z	.034	.034	0 %100
129	M144	X	.059	.059	0 %100
130	M144	Z	.034	.034	0 %100
131	M145	X	.059	.059	0 %100
132	M145	Z	.034	.034	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.277	.277	0 %100
2	M1	Z	.48	.48	0 %100
3	M4	X	.095	.095	0 %100
4	M4	Z	.164	.164	0 %100
5	M10	X	.241	.241	0 %100
6	M10	Z	.417	.417	0 %100
7	MP2B	X	.254	.254	0 %100
8	MP2B	Z	.439	.439	0 %100
9	MP4B	X	.254	.254	0 %100
10	MP4B	Z	.439	.439	0 %100
11	MP1B	X	.254	.254	0 %100
12	MP1B	Z	.439	.439	0 %100
13	M43	X	.241	.241	0 %100
14	M43	Z	.417	.417	0 %100
15	M46	X	.48	.48	0 %100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
16	M46	Z	.832	.832	0	%100
17	M51B	X	.267	.267	0	%100
18	M51B	Z	.462	.462	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	.16	.16	0	%100
22	M76	Z	.277	.277	0	%100
23	M77	X	.489	.489	0	%100
24	M77	Z	.847	.847	0	%100
25	M80	X	.515	.515	0	%100
26	M80	Z	.893	.893	0	%100
27	M84	X	.16	.16	0	%100
28	M84	Z	.277	.277	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	.095	.095	0	%100
34	M52A	Z	.164	.164	0	%100
35	M53	X	.241	.241	0	%100
36	M53	Z	.417	.417	0	%100
37	M54	X	.241	.241	0	%100
38	M54	Z	.417	.417	0	%100
39	M55	X	.48	.48	0	%100
40	M55	Z	.832	.832	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	.267	.267	0	%100
44	M59A	Z	.462	.462	0	%100
45	M63	X	.16	.16	0	%100
46	M63	Z	.277	.277	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	.16	.16	0	%100
52	M68	Z	.277	.277	0	%100
53	M69	X	.489	.489	0	%100
54	M69	Z	.847	.847	0	%100
55	M71	X	.515	.515	0	%100
56	M71	Z	.893	.893	0	%100
57	M76A	X	.379	.379	0	%100
58	M76A	Z	.657	.657	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	.267	.267	0	%100
66	M82	Z	.462	.462	0	%100
67	M83A	X	.267	.267	0	%100
68	M83A	Z	.462	.462	0	%100
69	M87	X	.64	.64	0	%100
70	M87	Z	1.109	1.109	0	%100
71	M88A	X	.489	.489	0	%100
72	M88A	Z	.847	.847	0	%100
73	M90	X	.515	.515	0	%100
74	M90	Z	.893	.893	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft...	Start Location[ft.%]	End Location[ft.%]
75	M92A	X	.64	.64	0	%100
76	M92A	Z	1.109	1.109	0	%100
77	M93	X	.489	.489	0	%100
78	M93	Z	.847	.847	0	%100
79	M95	X	.515	.515	0	%100
80	M95	Z	.893	.893	0	%100
81	M82A	X	.277	.277	0	%100
82	M82A	Z	.48	.48	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	.254	.254	0	%100
86	MP3B	Z	.439	.439	0	%100
87	MP3A	X	.254	.254	0	%100
88	MP3A	Z	.439	.439	0	%100
89	MP2A	X	.254	.254	0	%100
90	MP2A	Z	.439	.439	0	%100
91	MP1A	X	.254	.254	0	%100
92	MP1A	Z	.439	.439	0	%100
93	MP6C	X	.254	.254	0	%100
94	MP6C	Z	.439	.439	0	%100
95	MP2C	X	.254	.254	0	%100
96	MP2C	Z	.439	.439	0	%100
97	MP1C2	X	.254	.254	0	%100
98	MP1C2	Z	.439	.439	0	%100
99	M103	X	.231	.231	0	%100
100	M103	Z	.4	.4	0	%100
101	M104	X	.23	.23	0	%100
102	M104	Z	.399	.399	0	%100
103	M111	X	.23	.23	0	%100
104	M111	Z	.399	.399	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	.291	.291	0	%100
110	M127	Z	.503	.503	0	%100
111	M128	X	.291	.291	0	%100
112	M128	Z	.503	.503	0	%100
113	MP1C	X	.254	.254	0	%100
114	MP1C	Z	.439	.439	0	%100
115	M125A	X	.046	.046	0	%100
116	M125A	Z	.079	.079	0	%100
117	M126A	X	.046	.046	0	%100
118	M126A	Z	.079	.079	0	%100
119	M131	X	.046	.046	0	%100
120	M131	Z	.079	.079	0	%100
121	M132	X	.046	.046	0	%100
122	M132	Z	.079	.079	0	%100
123	MP3C	X	.254	.254	0	%100
124	MP3C	Z	.439	.439	0	%100
125	M138	X	.046	.046	0	%100
126	M138	Z	.079	.079	0	%100
127	M139	X	.046	.046	0	%100
128	M139	Z	.079	.079	0	%100
129	M144	X	.046	.046	0	%100
130	M144	Z	.079	.079	0	%100
131	M145	X	.046	.046	0	%100
132	M145	Z	.079	.079	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	.185	.185	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	.569	.569	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.161	.161	0	%100
7	MP2B	X	0	0	0	%100
8	MP2B	Z	.507	.507	0	%100
9	MP4B	X	0	0	0	%100
10	MP4B	Z	.507	.507	0	%100
11	MP1B	X	0	0	0	%100
12	MP1B	Z	.507	.507	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	.161	.161	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	.32	.32	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	.711	.711	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	.178	.178	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	.961	.961	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	1.305	1.305	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	1.374	1.374	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	.961	.961	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	.326	.326	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	.344	.344	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	.642	.642	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	.642	.642	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	1.281	1.281	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	.178	.178	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	.178	.178	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	.326	.326	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	.344	.344	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	.326	.326	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	.344	.344	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	.569	.569	0	%100
59	M77A	X	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft, %]	End Location[ft, %]
60	M77A	Z	.161	.161	0 %100
61	M78	X	0	0	0 %100
62	M78	Z	.161	.161	0 %100
63	M79A	X	0	0	0 %100
64	M79A	Z	.32	.32	0 %100
65	M82	X	0	0	0 %100
66	M82	Z	.178	.178	0 %100
67	M83A	X	0	0	0 %100
68	M83A	Z	.711	.711	0 %100
69	M87	X	0	0	0 %100
70	M87	Z	.961	.961	0 %100
71	M88A	X	0	0	0 %100
72	M88A	Z	.326	.326	0 %100
73	M90	X	0	0	0 %100
74	M90	Z	.344	.344	0 %100
75	M92A	X	0	0	0 %100
76	M92A	Z	.961	.961	0 %100
77	M93	X	0	0	0 %100
78	M93	Z	1.305	1.305	0 %100
79	M95	X	0	0	0 %100
80	M95	Z	1.374	1.374	0 %100
81	M82A	X	0	0	0 %100
82	M82A	Z	.738	.738	0 %100
83	M91B	X	0	0	0 %100
84	M91B	Z	.185	.185	0 %100
85	MP3B	X	0	0	0 %100
86	MP3B	Z	.507	.507	0 %100
87	MP3A	X	0	0	0 %100
88	MP3A	Z	.507	.507	0 %100
89	MP2A	X	0	0	0 %100
90	MP2A	Z	.507	.507	0 %100
91	MP1A	X	0	0	0 %100
92	MP1A	Z	.507	.507	0 %100
93	MP6C	X	0	0	0 %100
94	MP6C	Z	.507	.507	0 %100
95	MP2C	X	0	0	0 %100
96	MP2C	Z	.507	.507	0 %100
97	MP1C2	X	0	0	0 %100
98	MP1C2	Z	.507	.507	0 %100
99	M103	X	0	0	0 %100
100	M103	Z	.462	.462	0 %100
101	M104	X	0	0	0 %100
102	M104	Z	.153	.153	0 %100
103	M111	X	0	0	0 %100
104	M111	Z	.614	.614	0 %100
105	M112	X	0	0	0 %100
106	M112	Z	.153	.153	0 %100
107	M126	X	0	0	0 %100
108	M126	Z	.194	.194	0 %100
109	M127	X	0	0	0 %100
110	M127	Z	.775	.775	0 %100
111	M128	X	0	0	0 %100
112	M128	Z	.194	.194	0 %100
113	MP1C	X	0	0	0 %100
114	MP1C	Z	.507	.507	0 %100
115	M125A	X	0	0	0 %100
116	M125A	Z	.069	.069	0 %100
117	M126A	X	0	0	0 %100
118	M126A	Z	.069	.069	0 %100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
119	M131	X	0	0	0	%100
120	M131	Z	.069	.069	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	.069	.069	0	%100
123	MP3C	X	0	0	0	%100
124	MP3C	Z	.507	.507	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	.069	.069	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	.069	.069	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	.069	.069	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	.069	.069	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.379	-.379	0	%100
4	M4	Z	.657	.657	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	-.254	-.254	0	%100
8	MP2B	Z	.439	.439	0	%100
9	MP4B	X	-.254	-.254	0	%100
10	MP4B	Z	.439	.439	0	%100
11	MP1B	X	-.254	-.254	0	%100
12	MP1B	Z	.439	.439	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	-.267	-.267	0	%100
18	M51B	Z	.462	.462	0	%100
19	M52B	X	-.267	-.267	0	%100
20	M52B	Z	.462	.462	0	%100
21	M76	X	-.64	-.64	0	%100
22	M76	Z	1.109	1.109	0	%100
23	M77	X	-.489	-.489	0	%100
24	M77	Z	.847	.847	0	%100
25	M80	X	-.515	-.515	0	%100
26	M80	Z	.893	.893	0	%100
27	M84	X	-.64	-.64	0	%100
28	M84	Z	1.109	1.109	0	%100
29	M85	X	-.489	-.489	0	%100
30	M85	Z	.847	.847	0	%100
31	M91	X	-.515	-.515	0	%100
32	M91	Z	.893	.893	0	%100
33	M52A	X	-.095	-.095	0	%100
34	M52A	Z	.164	.164	0	%100
35	M53	X	-.241	-.241	0	%100
36	M53	Z	.417	.417	0	%100
37	M54	X	-.241	-.241	0	%100
38	M54	Z	.417	.417	0	%100
39	M55	X	-.48	-.48	0	%100
40	M55	Z	.832	.832	0	%100
41	M58A	X	-.267	-.267	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
42	M58A	Z	.462	.462	0 %100
43	M59A	X	0	0	0 %100
44	M59A	Z	0	0	0 %100
45	M63	X	-.16	-.16	0 %100
46	M63	Z	.277	.277	0 %100
47	M64	X	-.489	-.489	0 %100
48	M64	Z	.847	.847	0 %100
49	M66	X	-.515	-.515	0 %100
50	M66	Z	.893	.893	0 %100
51	M68	X	-.16	-.16	0 %100
52	M68	Z	.277	.277	0 %100
53	M69	X	0	0	0 %100
54	M69	Z	0	0	0 %100
55	M71	X	0	0	0 %100
56	M71	Z	0	0	0 %100
57	M76A	X	-.095	-.095	0 %100
58	M76A	Z	.164	.164	0 %100
59	M77A	X	-.241	-.241	0 %100
60	M77A	Z	.417	.417	0 %100
61	M78	X	-.241	-.241	0 %100
62	M78	Z	.417	.417	0 %100
63	M79A	X	-.48	-.48	0 %100
64	M79A	Z	.832	.832	0 %100
65	M82	X	0	0	0 %100
66	M82	Z	0	0	0 %100
67	M83A	X	-.267	-.267	0 %100
68	M83A	Z	.462	.462	0 %100
69	M87	X	-.16	-.16	0 %100
70	M87	Z	.277	.277	0 %100
71	M88A	X	0	0	0 %100
72	M88A	Z	0	0	0 %100
73	M90	X	0	0	0 %100
74	M90	Z	0	0	0 %100
75	M92A	X	-.16	-.16	0 %100
76	M92A	Z	.277	.277	0 %100
77	M93	X	-.489	-.489	0 %100
78	M93	Z	.847	.847	0 %100
79	M95	X	-.515	-.515	0 %100
80	M95	Z	.893	.893	0 %100
81	M82A	X	-.277	-.277	0 %100
82	M82A	Z	.48	.48	0 %100
83	M91B	X	-.277	-.277	0 %100
84	M91B	Z	.48	.48	0 %100
85	MP3B	X	-.254	-.254	0 %100
86	MP3B	Z	.439	.439	0 %100
87	MP3A	X	-.254	-.254	0 %100
88	MP3A	Z	.439	.439	0 %100
89	MP2A	X	-.254	-.254	0 %100
90	MP2A	Z	.439	.439	0 %100
91	MP1A	X	-.254	-.254	0 %100
92	MP1A	Z	.439	.439	0 %100
93	MP6C	X	-.254	-.254	0 %100
94	MP6C	Z	.439	.439	0 %100
95	MP2C	X	-.254	-.254	0 %100
96	MP2C	Z	.439	.439	0 %100
97	MP1C2	X	-.254	-.254	0 %100
98	MP1C2	Z	.439	.439	0 %100
99	M103	X	-.231	-.231	0 %100
100	M103	Z	.4	.4	0 %100



Company  
Designer  
Job Number  
Model Name

July 19, 2023  
9:53 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft.%)	End Location(ft.%)
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	-.23	-.23	0	%100
104	M111	Z	.399	.399	0	%100
105	M112	X	-.23	-.23	0	%100
106	M112	Z	.399	.399	0	%100
107	M126	X	-.291	-.291	0	%100
108	M126	Z	.503	.503	0	%100
109	M127	X	-.291	-.291	0	%100
110	M127	Z	.503	.503	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	-.254	-.254	0	%100
114	MP1C	Z	.439	.439	0	%100
115	M125A	X	-.011	-.011	0	%100
116	M125A	Z	.02	.02	0	%100
117	M126A	X	-.011	-.011	0	%100
118	M126A	Z	.02	.02	0	%100
119	M131	X	-.011	-.011	0	%100
120	M131	Z	.02	.02	0	%100
121	M132	X	-.011	-.011	0	%100
122	M132	Z	.02	.02	0	%100
123	MP3C	X	-.254	-.254	0	%100
124	MP3C	Z	.439	.439	0	%100
125	M138	X	-.011	-.011	0	%100
126	M138	Z	.02	.02	0	%100
127	M139	X	-.011	-.011	0	%100
128	M139	Z	.02	.02	0	%100
129	M144	X	-.011	-.011	0	%100
130	M144	Z	.02	.02	0	%100
131	M145	X	-.011	-.011	0	%100
132	M145	Z	.02	.02	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft.%)	End Location(ft.%)
1	M1	X	-.16	-.16	0	%100
2	M1	Z	.092	.092	0	%100
3	M4	X	-.493	-.493	0	%100
4	M4	Z	.285	.285	0	%100
5	M10	X	-.139	-.139	0	%100
6	M10	Z	.08	.08	0	%100
7	MP2B	X	-.439	-.439	0	%100
8	MP2B	Z	.254	.254	0	%100
9	MP4B	X	-.439	-.439	0	%100
10	MP4B	Z	.254	.254	0	%100
11	MP1B	X	-.439	-.439	0	%100
12	MP1B	Z	.254	.254	0	%100
13	M43	X	-.139	-.139	0	%100
14	M43	Z	.08	.08	0	%100
15	M46	X	-.277	-.277	0	%100
16	M46	Z	.16	.16	0	%100
17	M51B	X	-.154	-.154	0	%100
18	M51B	Z	.089	.089	0	%100
19	M52B	X	-.616	-.616	0	%100
20	M52B	Z	.356	.356	0	%100
21	M76	X	-.832	-.832	0	%100
22	M76	Z	.48	.48	0	%100
23	M77	X	-.282	-.282	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude/lb/ft...	End Magnitude/lb/ft...	Start Locationft.%	End Locationft.%
24	M77	Z	.163	.163	0	%100
25	M80	X	-.298	-.298	0	%100
26	M80	Z	.172	.172	0	%100
27	M84	X	-.832	-.832	0	%100
28	M84	Z	.48	.48	0	%100
29	M85	X	-1.13	-1.13	0	%100
30	M85	Z	.652	.652	0	%100
31	M91	X	-1.19	-1.19	0	%100
32	M91	Z	.687	.687	0	%100
33	M52A	X	-.493	-.493	0	%100
34	M52A	Z	.285	.285	0	%100
35	M53	X	-.139	-.139	0	%100
36	M53	Z	.08	.08	0	%100
37	M54	X	-.139	-.139	0	%100
38	M54	Z	.08	.08	0	%100
39	M55	X	-.277	-.277	0	%100
40	M55	Z	.16	.16	0	%100
41	M58A	X	-.616	-.616	0	%100
42	M58A	Z	.356	.356	0	%100
43	M59A	X	-.154	-.154	0	%100
44	M59A	Z	.089	.089	0	%100
45	M63	X	-.832	-.832	0	%100
46	M63	Z	.48	.48	0	%100
47	M64	X	-1.13	-1.13	0	%100
48	M64	Z	.652	.652	0	%100
49	M66	X	-1.19	-1.19	0	%100
50	M66	Z	.687	.687	0	%100
51	M68	X	-.832	-.832	0	%100
52	M68	Z	.48	.48	0	%100
53	M69	X	-.282	-.282	0	%100
54	M69	Z	.163	.163	0	%100
55	M71	X	-.298	-.298	0	%100
56	M71	Z	.172	.172	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-.556	-.556	0	%100
60	M77A	Z	.321	.321	0	%100
61	M78	X	-.556	-.556	0	%100
62	M78	Z	.321	.321	0	%100
63	M79A	X	-1.109	-1.109	0	%100
64	M79A	Z	.64	.64	0	%100
65	M82	X	-.154	-.154	0	%100
66	M82	Z	.089	.089	0	%100
67	M83A	X	-.154	-.154	0	%100
68	M83A	Z	.089	.089	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	-.282	-.282	0	%100
72	M88A	Z	.163	.163	0	%100
73	M90	X	-.298	-.298	0	%100
74	M90	Z	.172	.172	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-.282	-.282	0	%100
78	M93	Z	.163	.163	0	%100
79	M95	X	-.298	-.298	0	%100
80	M95	Z	.172	.172	0	%100
81	M82A	X	-.16	-.16	0	%100
82	M82A	Z	.092	.092	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
83	M91B	X	-.639	-.639	0	%100
84	M91B	Z	.369	.369	0	%100
85	MP3B	X	-.439	-.439	0	%100
86	MP3B	Z	.254	.254	0	%100
87	MP3A	X	-.439	-.439	0	%100
88	MP3A	Z	.254	.254	0	%100
89	MP2A	X	-.439	-.439	0	%100
90	MP2A	Z	.254	.254	0	%100
91	MP1A	X	-.439	-.439	0	%100
92	MP1A	Z	.254	.254	0	%100
93	MP6C	X	-.439	-.439	0	%100
94	MP6C	Z	.254	.254	0	%100
95	MP2C	X	-.439	-.439	0	%100
96	MP2C	Z	.254	.254	0	%100
97	MP1C2	X	-.439	-.439	0	%100
98	MP1C2	Z	.254	.254	0	%100
99	M103	X	-.4	-.4	0	%100
100	M103	Z	.231	.231	0	%100
101	M104	X	-.133	-.133	0	%100
102	M104	Z	.077	.077	0	%100
103	M111	X	-.133	-.133	0	%100
104	M111	Z	.077	.077	0	%100
105	M112	X	-.532	-.532	0	%100
106	M112	Z	.307	.307	0	%100
107	M126	X	-.671	-.671	0	%100
108	M126	Z	.388	.388	0	%100
109	M127	X	-.168	-.168	0	%100
110	M127	Z	.097	.097	0	%100
111	M128	X	-.168	-.168	0	%100
112	M128	Z	.097	.097	0	%100
113	MP1C	X	-.439	-.439	0	%100
114	MP1C	Z	.254	.254	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	-.439	-.439	0	%100
124	MP3C	Z	.254	.254	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.554	-.554	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.19	-.19	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	-.482	-.482	0	%100

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

	Member Label	Direction	Start Magnitude/lb/ft....	End Magnitude/lb/ft....	Start Location/ft. %1	End Location/ft. %1
6	M10	Z	0	0	0	%100
7	MP2B	X	-.507	-.507	0	%100
8	MP2B	Z	0	0	0	%100
9	MP4B	X	-.507	-.507	0	%100
10	MP4B	Z	0	0	0	%100
11	MP1B	X	-.507	-.507	0	%100
12	MP1B	Z	0	0	0	%100
13	M43	X	-.482	-.482	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	-.961	-.961	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-.533	-.533	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-.32	-.32	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-.32	-.32	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	-.978	-.978	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	-1.031	-1.031	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-.759	-.759	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-.533	-.533	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-.533	-.533	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-1.281	-1.281	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-.978	-.978	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-1.031	-1.031	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-1.281	-1.281	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-.978	-.978	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	-1.031	-1.031	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	-.19	-.19	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-.482	-.482	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	-.482	-.482	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	-.961	-.961	0	%100
64	M79A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
65	M82	X	-.533	-.533	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-.32	-.32	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	-.978	-.978	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	-1.031	-1.031	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	-.32	-.32	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-.554	-.554	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	-.507	-.507	0	%100
86	MP3B	Z	0	0	0	%100
87	MP3A	X	-.507	-.507	0	%100
88	MP3A	Z	0	0	0	%100
89	MP2A	X	-.507	-.507	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	-.507	-.507	0	%100
92	MP1A	Z	0	0	0	%100
93	MP6C	X	-.507	-.507	0	%100
94	MP6C	Z	0	0	0	%100
95	MP2C	X	-.507	-.507	0	%100
96	MP2C	Z	0	0	0	%100
97	MP1C2	X	-.507	-.507	0	%100
98	MP1C2	Z	0	0	0	%100
99	M103	X	-.462	-.462	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	-.46	-.46	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	-.46	-.46	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	-.581	-.581	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	0	0	0	%100
111	M128	X	-.581	-.581	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	-.507	-.507	0	%100
114	MP1C	Z	0	0	0	%100
115	M125A	X	-.023	-.023	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	-.023	-.023	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	-.023	-.023	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	-.023	-.023	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	-.507	-.507	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft.%]	End Location[ft.%]
124	MP3C	Z	0	0	0	%100
125	M138	X	-.023	-.023	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	-.023	-.023	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	-.023	-.023	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	-.023	-.023	0	%100
132	M145	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...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.639	-.639	0	%100
2	M1	Z	-.369	-.369	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	-.556	-.556	0	%100
6	M10	Z	-.321	-.321	0	%100
7	MP2B	X	-.439	-.439	0	%100
8	MP2B	Z	-.254	-.254	0	%100
9	MP4B	X	-.439	-.439	0	%100
10	MP4B	Z	-.254	-.254	0	%100
11	MP1B	X	-.439	-.439	0	%100
12	MP1B	Z	-.254	-.254	0	%100
13	M43	X	-.556	-.556	0	%100
14	M43	Z	-.321	-.321	0	%100
15	M46	X	-1.109	-1.109	0	%100
16	M46	Z	-.64	-.64	0	%100
17	M51B	X	-.154	-.154	0	%100
18	M51B	Z	-.089	-.089	0	%100
19	M52B	X	-.154	-.154	0	%100
20	M52B	Z	-.089	-.089	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	-.282	-.282	0	%100
24	M77	Z	-.163	-.163	0	%100
25	M80	X	-.298	-.298	0	%100
26	M80	Z	-.172	-.172	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	-.282	-.282	0	%100
30	M85	Z	-.163	-.163	0	%100
31	M91	X	-.298	-.298	0	%100
32	M91	Z	-.172	-.172	0	%100
33	M52A	X	-.493	-.493	0	%100
34	M52A	Z	-.285	-.285	0	%100
35	M53	X	-.139	-.139	0	%100
36	M53	Z	-.08	-.08	0	%100
37	M54	X	-.139	-.139	0	%100
38	M54	Z	-.08	-.08	0	%100
39	M55	X	-.277	-.277	0	%100
40	M55	Z	-.16	-.16	0	%100
41	M58A	X	-.154	-.154	0	%100
42	M58A	Z	-.089	-.089	0	%100
43	M59A	X	-.616	-.616	0	%100
44	M59A	Z	-.356	-.356	0	%100
45	M63	X	-.832	-.832	0	%100
46	M63	Z	-.48	-.48	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft.%]	End Location[ft.%]
47	M64	X	-.282	-.282	0	%100
48	M64	Z	-.163	-.163	0	%100
49	M66	X	-.298	-.298	0	%100
50	M66	Z	-.172	-.172	0	%100
51	M68	X	-.832	-.832	0	%100
52	M68	Z	-.48	-.48	0	%100
53	M69	X	-1.13	-1.13	0	%100
54	M69	Z	-.652	-.652	0	%100
55	M71	X	-1.19	-1.19	0	%100
56	M71	Z	-.687	-.687	0	%100
57	M76A	X	-.493	-.493	0	%100
58	M76A	Z	-.285	-.285	0	%100
59	M77A	X	-.139	-.139	0	%100
60	M77A	Z	-.08	-.08	0	%100
61	M78	X	-.139	-.139	0	%100
62	M78	Z	-.08	-.08	0	%100
63	M79A	X	-.277	-.277	0	%100
64	M79A	Z	-.16	-.16	0	%100
65	M82	X	-.616	-.616	0	%100
66	M82	Z	-.356	-.356	0	%100
67	M83A	X	-.154	-.154	0	%100
68	M83A	Z	-.089	-.089	0	%100
69	M87	X	-.832	-.832	0	%100
70	M87	Z	-.48	-.48	0	%100
71	M88A	X	-1.13	-1.13	0	%100
72	M88A	Z	-.652	-.652	0	%100
73	M90	X	-1.19	-1.19	0	%100
74	M90	Z	-.687	-.687	0	%100
75	M92A	X	-.832	-.832	0	%100
76	M92A	Z	-.48	-.48	0	%100
77	M93	X	-.282	-.282	0	%100
78	M93	Z	-.163	-.163	0	%100
79	M95	X	-.298	-.298	0	%100
80	M95	Z	-.172	-.172	0	%100
81	M82A	X	-.16	-.16	0	%100
82	M82A	Z	-.092	-.092	0	%100
83	M91B	X	-.16	-.16	0	%100
84	M91B	Z	-.092	-.092	0	%100
85	MP3B	X	-.439	-.439	0	%100
86	MP3B	Z	-.254	-.254	0	%100
87	MP3A	X	-.439	-.439	0	%100
88	MP3A	Z	-.254	-.254	0	%100
89	MP2A	X	-.439	-.439	0	%100
90	MP2A	Z	-.254	-.254	0	%100
91	MP1A	X	-.439	-.439	0	%100
92	MP1A	Z	-.254	-.254	0	%100
93	MP6C	X	-.439	-.439	0	%100
94	MP6C	Z	-.254	-.254	0	%100
95	MP2C	X	-.439	-.439	0	%100
96	MP2C	Z	-.254	-.254	0	%100
97	MP1C2	X	-.439	-.439	0	%100
98	MP1C2	Z	-.254	-.254	0	%100
99	M103	X	-.4	-.4	0	%100
100	M103	Z	-.231	-.231	0	%100
101	M104	X	-.532	-.532	0	%100
102	M104	Z	-.307	-.307	0	%100
103	M111	X	-.133	-.133	0	%100
104	M111	Z	-.077	-.077	0	%100
105	M112	X	-.133	-.133	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
106	M112	Z	-0.77	-0.77	0	%100
107	M126	X	-.168	-.168	0	%100
108	M126	Z	-.097	-.097	0	%100
109	M127	X	-.168	-.168	0	%100
110	M127	Z	-.097	-.097	0	%100
111	M128	X	-.671	-.671	0	%100
112	M128	Z	-.388	-.388	0	%100
113	MP1C	X	-.439	-.439	0	%100
114	MP1C	Z	-.254	-.254	0	%100
115	M125A	X	-.059	-.059	0	%100
116	M125A	Z	-.034	-.034	0	%100
117	M126A	X	-.059	-.059	0	%100
118	M126A	Z	-.034	-.034	0	%100
119	M131	X	-.059	-.059	0	%100
120	M131	Z	-.034	-.034	0	%100
121	M132	X	-.059	-.059	0	%100
122	M132	Z	-.034	-.034	0	%100
123	MP3C	X	-.439	-.439	0	%100
124	MP3C	Z	-.254	-.254	0	%100
125	M138	X	-.059	-.059	0	%100
126	M138	Z	-.034	-.034	0	%100
127	M139	X	-.059	-.059	0	%100
128	M139	Z	-.034	-.034	0	%100
129	M144	X	-.059	-.059	0	%100
130	M144	Z	-.034	-.034	0	%100
131	M145	X	-.059	-.059	0	%100
132	M145	Z	-.034	-.034	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.277	-.277	0	%100
2	M1	Z	-.48	-.48	0	%100
3	M4	X	-.095	-.095	0	%100
4	M4	Z	-.164	-.164	0	%100
5	M10	X	-.241	-.241	0	%100
6	M10	Z	-.417	-.417	0	%100
7	MP2B	X	-.254	-.254	0	%100
8	MP2B	Z	-.439	-.439	0	%100
9	MP4B	X	-.254	-.254	0	%100
10	MP4B	Z	-.439	-.439	0	%100
11	MP1B	X	-.254	-.254	0	%100
12	MP1B	Z	-.439	-.439	0	%100
13	M43	X	-.241	-.241	0	%100
14	M43	Z	-.417	-.417	0	%100
15	M46	X	-.48	-.48	0	%100
16	M46	Z	-.832	-.832	0	%100
17	M51B	X	-.267	-.267	0	%100
18	M51B	Z	-.462	-.462	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-.16	-.16	0	%100
22	M76	Z	-.277	-.277	0	%100
23	M77	X	-.489	-.489	0	%100
24	M77	Z	-.847	-.847	0	%100
25	M80	X	-.515	-.515	0	%100
26	M80	Z	-.893	-.893	0	%100
27	M84	X	-.16	-.16	0	%100
28	M84	Z	-.277	-.277	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-.095	-.095	0	%100
34	M52A	Z	-.164	-.164	0	%100
35	M53	X	-.241	-.241	0	%100
36	M53	Z	-.417	-.417	0	%100
37	M54	X	-.241	-.241	0	%100
38	M54	Z	-.417	-.417	0	%100
39	M55	X	-.48	-.48	0	%100
40	M55	Z	-.832	-.832	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-.267	-.267	0	%100
44	M59A	Z	-.462	-.462	0	%100
45	M63	X	-.16	-.16	0	%100
46	M63	Z	-.277	-.277	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-.16	-.16	0	%100
52	M68	Z	-.277	-.277	0	%100
53	M69	X	-.489	-.489	0	%100
54	M69	Z	-.847	-.847	0	%100
55	M71	X	-.515	-.515	0	%100
56	M71	Z	-.893	-.893	0	%100
57	M76A	X	-.379	-.379	0	%100
58	M76A	Z	-.657	-.657	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	-.267	-.267	0	%100
66	M82	Z	-.462	-.462	0	%100
67	M83A	X	-.267	-.267	0	%100
68	M83A	Z	-.462	-.462	0	%100
69	M87	X	-.64	-.64	0	%100
70	M87	Z	-1.109	-1.109	0	%100
71	M88A	X	-.489	-.489	0	%100
72	M88A	Z	-.847	-.847	0	%100
73	M90	X	-.515	-.515	0	%100
74	M90	Z	-.893	-.893	0	%100
75	M92A	X	-.64	-.64	0	%100
76	M92A	Z	-1.109	-1.109	0	%100
77	M93	X	-.489	-.489	0	%100
78	M93	Z	-.847	-.847	0	%100
79	M95	X	-.515	-.515	0	%100
80	M95	Z	-.893	-.893	0	%100
81	M82A	X	-.277	-.277	0	%100
82	M82A	Z	-.48	-.48	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	-.254	-.254	0	%100
86	MP3B	Z	-.439	-.439	0	%100
87	MP3A	X	-.254	-.254	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
88	MP3A	Z	-439	-439	0	%100
89	MP2A	X	-254	-254	0	%100
90	MP2A	Z	-439	-439	0	%100
91	MP1A	X	-254	-254	0	%100
92	MP1A	Z	-439	-439	0	%100
93	MP6C	X	-254	-254	0	%100
94	MP6C	Z	-439	-439	0	%100
95	MP2C	X	-254	-254	0	%100
96	MP2C	Z	-439	-439	0	%100
97	MP1C2	X	-254	-254	0	%100
98	MP1C2	Z	-439	-439	0	%100
99	M103	X	-231	-231	0	%100
100	M103	Z	-4	-4	0	%100
101	M104	X	-23	-23	0	%100
102	M104	Z	-399	-399	0	%100
103	M111	X	-23	-23	0	%100
104	M111	Z	-399	-399	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	-291	-291	0	%100
110	M127	Z	-503	-503	0	%100
111	M128	X	-291	-291	0	%100
112	M128	Z	-503	-503	0	%100
113	MP1C	X	-254	-254	0	%100
114	MP1C	Z	-439	-439	0	%100
115	M125A	X	-046	-046	0	%100
116	M125A	Z	-079	-079	0	%100
117	M126A	X	-046	-046	0	%100
118	M126A	Z	-079	-079	0	%100
119	M131	X	-046	-046	0	%100
120	M131	Z	-079	-079	0	%100
121	M132	X	-046	-046	0	%100
122	M132	Z	-079	-079	0	%100
123	MP3C	X	-254	-254	0	%100
124	MP3C	Z	-439	-439	0	%100
125	M138	X	-046	-046	0	%100
126	M138	Z	-079	-079	0	%100
127	M139	X	-046	-046	0	%100
128	M139	Z	-079	-079	0	%100
129	M144	X	-046	-046	0	%100
130	M144	Z	-079	-079	0	%100
131	M145	X	-046	-046	0	%100
132	M145	Z	-079	-079	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	M82	Y	-1.665	-4.226	0	.832
2	M82	Y	-4.226	-6.901	.832	1.665
3	M82	Y	-6.901	-8.189	1.665	2.497
4	M82	Y	-8.189	-6.544	2.497	3.329
5	M82	Y	-6.544	-3.463	3.329	4.162
6	M83A	Y	-3.469	-6.578	0	.832
7	M83A	Y	-6.578	-8.256	.832	1.665
8	M83A	Y	-8.256	-7.041	1.665	2.497
9	M83A	Y	-7.041	-4.429	2.497	3.329
10	M83A	Y	-4.429	-1.881	3.329	4.162



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
11	M58A	Y	-1.664	-4.227	0	.832
12	M58A	Y	-4.227	-6.899	.832	1.665
13	M58A	Y	-6.899	-8.187	1.665	2.497
14	M58A	Y	-8.187	-6.544	2.497	3.329
15	M58A	Y	-6.544	-3.463	3.329	4.162
16	M59A	Y	-3.462	-6.572	0	.832
17	M59A	Y	-6.572	-8.261	.832	1.665
18	M59A	Y	-8.261	-7.048	1.665	2.497
19	M59A	Y	-7.048	-4.428	2.497	3.329
20	M59A	Y	-4.428	-1.883	3.329	4.162
21	M51B	Y	-1.883	-4.428	0	.832
22	M51B	Y	-4.428	-7.048	.832	1.665
23	M51B	Y	-7.048	-8.261	1.665	2.497
24	M51B	Y	-8.261	-6.572	2.497	3.329
25	M51B	Y	-6.572	-3.462	3.329	4.162
26	M52B	Y	-3.463	-6.544	0	.832
27	M52B	Y	-6.544	-8.187	.832	1.665
28	M52B	Y	-8.187	-6.899	1.665	2.497
29	M52B	Y	-6.899	-4.227	2.497	3.329
30	M52B	Y	-4.227	-1.664	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....	Start Location[ft.%]	End Location[ft.%]
1	M82	Y	-3.22	-8.172	0	.832
2	M82	Y	-8.172	-13.344	.832	1.665
3	M82	Y	-13.344	-15.836	1.665	2.497
4	M82	Y	-15.836	-12.653	2.497	3.329
5	M82	Y	-12.653	-6.696	3.329	4.162
6	M83A	Y	-6.708	-12.719	0	.832
7	M83A	Y	-12.719	-15.963	.832	1.665
8	M83A	Y	-15.963	-13.616	1.665	2.497
9	M83A	Y	-13.616	-8.565	2.497	3.329
10	M83A	Y	-8.565	-3.637	3.329	4.162
11	M58A	Y	-3.217	-8.174	0	.832
12	M58A	Y	-8.174	-13.341	.832	1.665
13	M58A	Y	-13.341	-15.832	1.665	2.497
14	M58A	Y	-15.832	-12.655	2.497	3.329
15	M58A	Y	-12.655	-6.696	3.329	4.162
16	M59A	Y	-6.695	-12.708	0	.832
17	M59A	Y	-12.708	-15.974	.832	1.665
18	M59A	Y	-15.974	-13.628	1.665	2.497
19	M59A	Y	-13.628	-8.562	2.497	3.329
20	M59A	Y	-8.562	-3.641	3.329	4.162
21	M51B	Y	-3.641	-8.562	0	.832
22	M51B	Y	-8.562	-13.628	.832	1.665
23	M51B	Y	-13.628	-15.974	1.665	2.497
24	M51B	Y	-15.974	-12.708	2.497	3.329
25	M51B	Y	-12.708	-6.695	3.329	4.162
26	M52B	Y	-6.696	-12.655	0	.832
27	M52B	Y	-12.655	-15.832	.832	1.665
28	M52B	Y	-15.832	-13.341	1.665	2.497
29	M52B	Y	-13.341	-8.174	2.497	3.329
30	M52B	Y	-8.174	-3.217	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M82	Y	-.065	-.164	0	.832
2	M82	Y	-.164	-.268	.832	1.665

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
3	M82	Y	-268	-318	1.665	2.497
4	M82	Y	-318	-254	2.497	3.329
5	M82	Y	-254	-135	3.329	4.162
6	M83A	Y	-135	-256	0	.832
7	M83A	Y	-256	-321	.832	1.665
8	M83A	Y	-321	-274	1.665	2.497
9	M83A	Y	-274	-172	2.497	3.329
10	M83A	Y	-172	-073	3.329	4.162
11	M58A	Y	-065	-164	0	.832
12	M58A	Y	-164	-268	.832	1.665
13	M58A	Y	-268	-318	1.665	2.497
14	M58A	Y	-318	-254	2.497	3.329
15	M58A	Y	-254	-135	3.329	4.162
16	M59A	Y	-135	-255	0	.832
17	M59A	Y	-255	-321	.832	1.665
18	M59A	Y	-321	-274	1.665	2.497
19	M59A	Y	-274	-172	2.497	3.329
20	M59A	Y	-172	-073	3.329	4.162
21	M51B	Y	-073	-172	0	.832
22	M51B	Y	-172	-274	.832	1.665
23	M51B	Y	-274	-321	1.665	2.497
24	M51B	Y	-321	-255	2.497	3.329
25	M51B	Y	-255	-135	3.329	4.162
26	M52B	Y	-135	-254	0	.832
27	M52B	Y	-254	-318	.832	1.665
28	M52B	Y	-318	-268	1.665	2.497
29	M52B	Y	-268	-164	2.497	3.329
30	M52B	Y	-164	-065	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....]	Start Location[ft.%]	End Location[ft.%]
1	M82	Z	-162	-41	0	.832
2	M82	Z	-41	-67	.832	1.665
3	M82	Z	-67	-795	1.665	2.497
4	M82	Z	-795	-635	2.497	3.329
5	M82	Z	-635	-336	3.329	4.162
6	M83A	Z	-337	-639	0	.832
7	M83A	Z	-639	-802	.832	1.665
8	M83A	Z	-802	-684	1.665	2.497
9	M83A	Z	-684	-43	2.497	3.329
10	M83A	Z	-43	-183	3.329	4.162
11	M58A	Z	-162	-411	0	.832
12	M58A	Z	-411	-67	.832	1.665
13	M58A	Z	-67	-795	1.665	2.497
14	M58A	Z	-795	-636	2.497	3.329
15	M58A	Z	-636	-336	3.329	4.162
16	M59A	Z	-336	-638	0	.832
17	M59A	Z	-638	-802	.832	1.665
18	M59A	Z	-802	-684	1.665	2.497
19	M59A	Z	-684	-43	2.497	3.329
20	M59A	Z	-43	-183	3.329	4.162
21	M51B	Z	-183	-43	0	.832
22	M51B	Z	-43	-684	.832	1.665
23	M51B	Z	-684	-802	1.665	2.497
24	M51B	Z	-802	-638	2.497	3.329
25	M51B	Z	-638	-336	3.329	4.162
26	M52B	Z	-336	-636	0	.832
27	M52B	Z	-636	-795	.832	1.665



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft.%)	End Location(ft.%)
28	M52B	Z	-.795	-.67	1.665	2.497
29	M52B	Z	-.67	-.411	2.497	3.329
30	M52B	Z	-.411	-.162	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....	Start Location(ft.%)	End Location(ft.%)
1	M82	X	.162	.41	0	.832
2	M82	X	.41	.67	.832	1.665
3	M82	X	.67	.795	1.665	2.497
4	M82	X	.795	.635	2.497	3.329
5	M82	X	.635	.336	3.329	4.162
6	M83A	X	.337	.639	0	.832
7	M83A	X	.639	.802	.832	1.665
8	M83A	X	.802	.684	1.665	2.497
9	M83A	X	.684	.43	2.497	3.329
10	M83A	X	.43	.183	3.329	4.162
11	M58A	X	.162	.411	0	.832
12	M58A	X	.411	.67	.832	1.665
13	M58A	X	.67	.795	1.665	2.497
14	M58A	X	.795	.636	2.497	3.329
15	M58A	X	.636	.336	3.329	4.162
16	M59A	X	.336	.638	0	.832
17	M59A	X	.638	.802	.832	1.665
18	M59A	X	.802	.684	1.665	2.497
19	M59A	X	.684	.43	2.497	3.329
20	M59A	X	.43	.183	3.329	4.162
21	M51B	X	.183	.43	0	.832
22	M51B	X	.43	.684	.832	1.665
23	M51B	X	.684	.802	1.665	2.497
24	M51B	X	.802	.638	2.497	3.329
25	M51B	X	.638	.336	3.329	4.162
26	M52B	X	.336	.636	0	.832
27	M52B	X	.636	.795	.832	1.665
28	M52B	X	.795	.67	1.665	2.497
29	M52B	X	.67	.411	2.497	3.329
30	M52B	X	.411	.162	3.329	4.162

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N141	N118	N117	N139	Y	Two Way	-.005
2	N90	N113	N111	N89	Y	Two Way	-.005
3	N6	N87C	N87B	N7	Y	Two Way	-.005

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N141	N118	N117	N139	Y	Two Way	-.01
2	N90	N113	N111	N89	Y	Two Way	-.01
3	N6	N87C	N87B	N7	Y	Two Way	-.01

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N141	N118	N117	N139	Y	Two Way	-.000202
2	N90	N113	N111	N89	Y	Two Way	-.000202
3	N6	N87C	N87B	N7	Y	Two Way	-.000202



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude(ksf)
1	N141	N118	N117	N139	Z	Two Way	-.000505
2	N90	N113	N111	N89	Z	Two Way	-.000505
3	N6	N87C	N87B	N7	Z	Two Way	-.000505

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude(ksf)
1	N141	N118	N117	N139	X	Two Way	.000505
2	N90	N113	N111	N89	X	Two Way	.000505
3	N6	N87C	N87B	N7	X	Two Way	.000505

**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	1248.648	11	2027.438	17	1144.19	12	-.903	74	.977	8	3.787	17
2		min	-1097.311	5	661.36	74	-1071.899	6	-2.907	29	-.957	2	.998	11
3	N87D	max	1232.153	10	3000.823	13	1836.126	1	6.556	13	1.806	4	.134	4
4		min	-1211.427	4	950.183	70	-2007.093	7	1.728	7	-1.829	10	-.347	10
5	N115	max	1226.271	9	1576.218	45	853.977	2	-.267	3	.51	4	-.526	3
6		min	-1396.213	3	470.143	66	-753.565	8	-2.188	45	-.492	10	-3.169	45
7	Totals:	max	3521.353	10	6303.44	14	3683.668	1						
8		min	-3521.43	4	2133.421	72	-3683.605	7						

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

Member	Shape	Code C...	Loc(ft)	LC	Shear ...	Loc(ft)	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	PIPE 3.0	.135	8.464	13	.045	8.594	16	28250.554	65205	5.749	5.749	2...	H1-1b
2	M4	HSS4X4X4	.305	0	17	.121	0	y 35	124657.7...	139518	16.181	16.181	2...	H1-1b
3	M10	HSS4X4X4	.139	2.375	18	.061	2.375	y 35	136263.03	139518	16.181	16.181	1...	H1-1b
4	MP2B	PIPE 2.0	.247	2.875	1	.077	2.875	2	20866.733	32130	1.872	1.872	3...	H1-1b
5	MP4B	PIPE 2.0	.147	5	20	.058	2.5	11	14916.096	32130	1.872	1.872	4...	H1-1b
6	MP1B	PIPE 2.0	.260	2.875	13	.083	2.875	12	20866.733	32130	1.872	1.872	4...	H1-1b
7	M43	HSS4X4X4	.118	0	17	.034	0	y 18	136263.03	139518	16.181	16.181	1...	H1-1b
8	M46	PL1/2X6	.145	.516	4	.101	.516	y 15	66009.234	97200	1.012	12.15	1...	H1-1b
9	M51B	L2x2x3	.126	4.162	6	.010	4.162	y 21	9823.122	23392.8	.558	1.091	1...	H2-1
10	M52B	L2x2x3	.101	0	4	.011	0	y 13	9823.122	23392.8	.558	1.093	1...	H2-1
11	M76	PL3/8X6	.144	0	8	.139	0	y 31	70677.939	72900	.57	9.113	1...	H1-1b
12	M77	PL3/8X6	.176	.167	12	.302	0	y 31	71601.728	72900	.57	9.113	1...	H1-1b
13	M80	PL1/2X6	.026	.112	3	.082	0	y 49	96757.507	97200	1.012	12.15	1...	H1-1b
14	M84	PL3/8X6	.221	0	10	.175	0	y 35	70677.939	72900	.57	9.113	2...	H1-1b
15	M85	PL3/8X6	.176	.167	10	.217	0	y 17	71601.728	72900	.57	9.113	1...	H1-1b
16	M91	PL1/2X6	.046	.112	5	.032	.112	y 25	96757.507	97200	1.012	12.15	1...	H1-1b
17	M52A	HSS4X4X4	.422	0	23	.099	0	y 23	124657.7...	139518	16.181	16.181	2...	H1-1b
18	M53	HSS4X4X4	.175	2.375	14	.069	2.375	y 21	136263.03	139518	16.181	16.181	1...	H1-1b
19	M54	HSS4X4X4	.203	0	24	.066	0	y 16	136263.03	139518	16.181	16.181	1...	H1-1b
20	M55	PL1/2X6	.115	.516	1	.111	.516	y 23	66009.234	97200	1.012	12.15	1...	H1-1b
21	M58A	L2x2x3	.123	4.162	2	.011	4.162	y 17	9823.122	23392.8	.558	1.093	1...	H2-1
22	M59A	L2x2x3	.141	4.162	11	.013	4.162	y 21	9823.122	23392.8	.558	1.069	1...	H2-1
23	M63	PL3/8X6	.155	0	5	.084	0	y 6	70677.939	72900	.57	9.113	1...	H1-1b
24	M64	PL3/8X6	.202	.167	8	.372	0	y 14	71601.728	72900	.57	9.113	2...	H1-1b
25	M66	PL1/2X6	.055	.112	11	.049	0	y 23	96757.507	97200	1.012	12.15	1...	H1-1b
26	M68	PL3/8X6	.182	0	4	.244	0	y 18	70677.939	72900	.57	9.113	1...	H1-1b
27	M69	PL3/8X6	.203	.167	6	.418	0	y 24	71601.728	72900	.57	9.113	1...	H1-1b
28	M71	PL1/2X6	.041	.112	1	.025	0	y 3	96757.507	97200	1.012	12.15	1...	H1-1b
29	M76A	HSS4X4X4	.238	0	46	.064	0	y 47	124657.7...	139518	16.181	16.181	2...	H1-1b
30	M77A	HSS4X4X4	.116	2.375	22	.031	2.375	y 18	136263.03	139518	16.181	16.181	1...	H1-1b
31	M78	HSS4X4X4	.090	0	44	.037	0	y 40	136263.03	139518	16.181	16.181	1.7	H1-1b
32	M79A	PL1/2X6	.131	.516	2	.112	.516	y 48	66009.234	97200	1.012	12.15	1...	H1-1b



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 19, 2023  
 9:53 PM  
 Checked By: \_\_\_\_\_

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

Member	Shape	Code C...	Loc(ft)	LC Shear ...	Loc(ft)	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn		
33	M82	L2x2x3	.104	4.162	10	.012	4.162	y	13	9823.122	23392.8	.558	1.093	1...	H2-1
34	M83A	L2x2x3	.109	0	8	.010	0	y	17	9823.122	23392.8	.558	1.091	1...	H2-1
35	M87	PL3/8X6	.171	0	4	.232	0	y	14	70677.939	72900	.57	9.113	2...	H1-1b
36	M88A	PL3/8X6	.186	.167	4	.223	0	y	21	71601.728	72900	.57	9.113	1...	H1-1b
37	M90	PL1/2X6	.041	.112	9	.068	.112	y	37	96757.507	97200	1.012	12.15	1...	H1-1b
38	M92A	PL3/8X6	.177	0	2	.156	0	y	13	70677.939	72900	.57	9.113	2...	H1-1b
39	M93	PL3/8X6	.165	.167	2	.192	0	y	44	71601.728	72900	.57	9.113	1...	H1-1b
40	M95	PL1/2X6	.039	.112	3	.123	0	y	47	96757.507	97200	1.012	12.15	1...	H1-1b
41	M82A	PIPE 3.0	.115	11.589	41	.050	3.906		27	28250.554	65205	5.749	5.749	1...	H1-1b
42	M91B	PIPE 3.0	.161	8.464	16	.062	3.906		17	28250.554	65205	5.749	5.749	1...	H1-1b
43	MP3B	PIPE 2.0	.179	2.875	8	.058	2.875		11	20866.733	32130	1.872	1.872	3...	H1-1b
44	MP3A	PIPE 2.0	.261	5	5	.079	5		2	14916.096	32130	1.872	1.872	3...	H1-1b
45	MP2A	PIPE 2.0	.252	2.875	12	.082	2.875		7	20866.733	32130	1.872	1.872	2...	H1-1b
46	MP1A	PIPE 2.0	.150	2.875	10	.064	2.875		8	20866.733	32130	1.872	1.872	3...	H1-1b
47	MP6C	PIPE 2.0	.460	5	24	.082	2.5		12	14916.096	32130	1.872	1.872	2...	H1-1b
48	MP2C	PIPE 2.0	.302	2.875	6	.072	1.938		3	20866.733	32130	1.872	1.872	3...	H1-1b
49	MP1C2	PIPE 2.0	.300	2.875	5	.136	1		6	20866.733	32130	1.872	1.872	1...	H1-1b
50	M103	PIPE 2.0	.136	3.5	9	.028	3.5		12	26521.424	32130	1.872	1.872	2...	H1-1b
51	M104	PIPE 2.5	.105	6.25	13	.048	11.328		6	14558.792	50715	3.596	3.596	1...	H1-1b
52	M111	PIPE 2.5	.091	2.995	5	.041	1.302		7	14558.792	50715	3.596	3.596	1...	H1-1b
53	M112	PIPE 2.5	.191	2.865	17	.061	2.865		20	14558.792	50715	3.596	3.596	2...	H1-1b
54	M126	L3X3X4	.126	2.143	7	.019	0	y	6	42142.221	46656	1.688	3.756	2...	H2-1
55	M127	L3X3X4	.157	2.143	5	.017	2.143	y	5	42142.221	46656	1.688	3.756	2...	H2-1
56	M128	L3X3X4	.140	2.143	7	.032	0	z	2	42142.221	46656	1.688	3.756	2...	H2-1
57	MP1C	PIPE 2.0	.082	1	16	.058	1		1	20866.733	32130	1.872	1.872	2...	H1-1b
58	M125A	SR 0.625	.710	0	21	.318	0		22	9418.514	9940.19	.104	.104	1...	H1-1b
59	M126A	SR 0.625	.706	0	21	.319	0		21	9418.514	9940.19	.104	.104	1...	H1-1b
60	M131	SR 0.625	.412	0	15	.185	0		15	9418.514	9940.19	.104	.104	1...	H1-1b
61	M132	SR 0.625	.413	0	15	.183	0		16	9418.514	9940.19	.104	.104	1...	H1-1b
62	MP3C	PIPE 2.0	.127	4	10	.038	1		3	14916.096	32130	1.872	1.872	1...	H1-1b
63	M138	SR 0.625	.374	0	9	.166	0		21	9418.514	9940.19	.104	.104	1...	H1-1b
64	M139	SR 0.625	.369	0	10	.166	0		21	9418.514	9940.19	.104	.104	1...	H1-1b
65	M144	SR 0.625	.327	0	4	.146	0		3	9418.514	9940.19	.104	.104	1...	H1-1b
66	M145	SR 0.625	.332	0	4	.147	0		4	9418.514	9940.19	.104	.104	1...	H1-1b

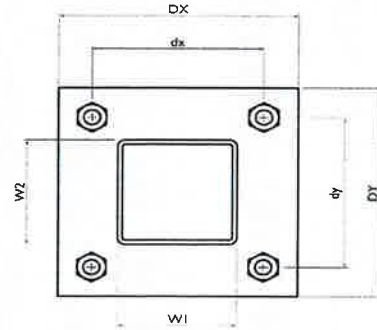
**I. Mount-to-Tower Connection Check**

Custom Orientation Required  No

Tower Connection Bolt Checks  Yes

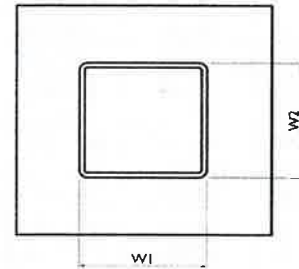
Bolt Orientation  Parallel

Bolt Quantity per Reaction:	4
$d_x$ (in) (Delta X of typ. bolt config. sketch):	8.5
$d_y$ (in) (Delta Y of typ. bolt config. sketch):	8.5
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	4.8
Required Shear Strength / bolt (kips):	0.9
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	23.4%



Tower Connection Baseplate Checks  Yes

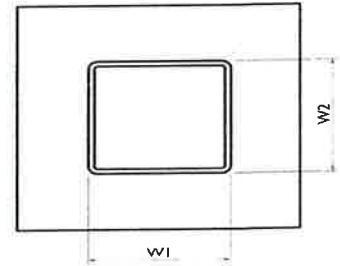
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, $D_x$ (in):	10
Plate Height, $D_y$ (in):	10
$W_1$ (in):	4
$W_2$ (in):	4
Member Thickness (in):	0.25
Stiffener location $a_1$ (in):	
Stiffener location $b_1$ (in):	
Stiffener location $a_2$ (in):	
Stiffener location $b_2$ (in):	
$F_y$ (ksi, plate):	36
Plate Thickness (in):	0.625
Length of Yield Line, $L_y$ (in):	7.85
Bolt Eccentricity, $e$ (in):	3.41
$M_u$ (kip-in):	16.54
$\Phi * M_n$ (kip-in):	24.84
Plate Bending Utilization:	66.6%



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:

Yes
Rectangle
None
4
4
4
16.00
21.33
21.33
85.33
2.25
2.25
2.58
5.57
<b>46.3%</b>

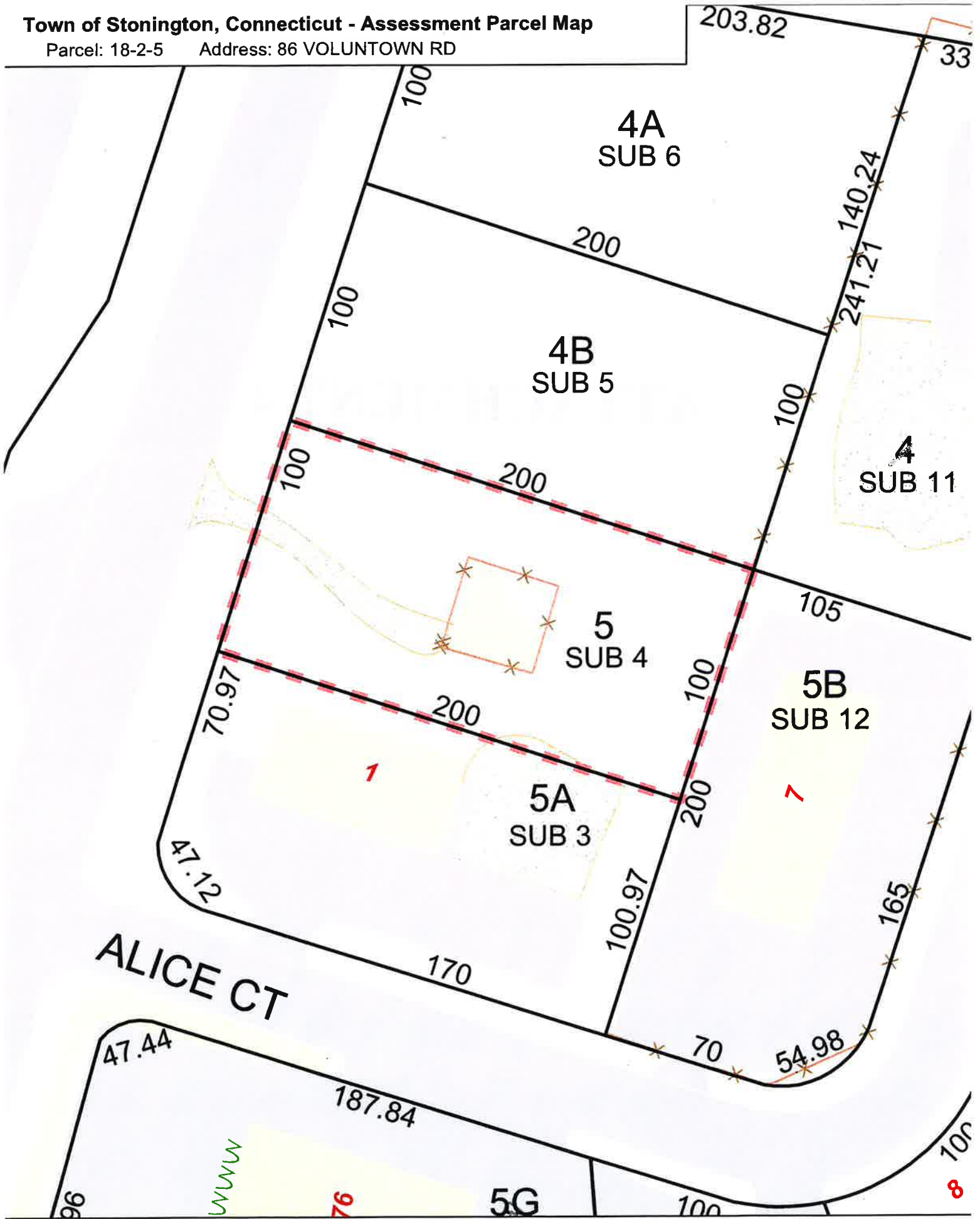




# **ATTACHMENT 4**

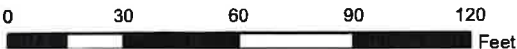
Town of Stonington, Connecticut - Assessment Parcel Map

Parcel: 18-2-5 Address: 86 VOLUNTOWN RD



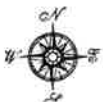
Approximate Scale:

1 inch = 50 feet



Revised To Grand List: October 2021 Map Produced: February 2022

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





Property Information

Property Location	86 VOLUNTOWN RD
Owner	BLACKROCK PROPERTIES II LLC
Co-Owner	
Mailing Address	PO BOX 1113 MIAMISBURG OH 45343-1113
Land Use	430V TEL X STA M-00
Land Class	I
Zoning Code	HI-60
Census Tract	7051

Neighborhood	3000
Acreage	0.46
Utilities	
Lot Setting/Desc	Suburban Level
Book / Page	0439/0311
Additional Info	

Primary Construction Details

Year Built	0
Building Desc.	TEL X STA M-00
Building Style	UNKNOWN
Building Grade	
Stories	
Occupancy	
Exterior Walls	
Exterior Walls 2	NA
Roof Style	
Roof Cover	
Interior Walls	
Interior Walls 2	NA
Interior Floors 1	
Interior Floors 2	

Heating Fuel	
Heating Type	
AC Type	
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	
Fin Bsmt Quality	
Bsmt Gar	
Fireplaces	

(\*Industrial / Commercial Details)

Building Use	Vacant
Building Condition	
Sprinkler %	
Heat / AC	
Frame Type	
Baths / Plumbing	
Ceiling / Wall	
Rooms / Prtms	
Wall Height	
First Floor Use	
Foundation	

Photo



Sketch


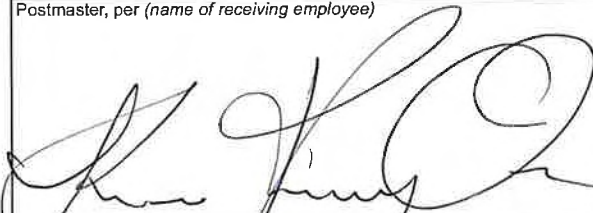



# **ATTACHMENT 5**



Verizon/Stonington East

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  3	TOTAL NO. of Pieces Received at Post Office™  3	Affix Stamp Here <i>Postmark with Date of Receipt.</i>  neopost <sup>SM</sup> 09/11/2023 <b>US POSTAGE \$003.19<sup>00</sup></b>   ZIP 06103 041L12203937
	Postmaster, per (name of receiving employee)  		

USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Danielle Chesebrough, First Selectman Town of Stonington 152 Elm Street Stonington, CT 06378				
2.	Keith Brynes, Town Planner Town of Stonington 152 Elm Street Stonington, CT 06378				
3.	Blackrock Properties II, LLC P.O. Box 1113 Miamisburg, OH 45343-1113				
4.					
5.					
6.					