

September 25, 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**  
**225 Grist Mill Road, Simsbury, 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 Siting Council (“Council”) in November of 2001 (Docket No. 203). Cellco’s shared use of the tower was approved in May of 2002 in Petition No. 559. A copy of the Council’s Docket No. 203 Decision and Order and Petition No. 559 Staff Report is included in Attachment 1.

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

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

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

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

27674614-v1

Melanie A. Bachman, Esq.

September 25, 2023

Page 2

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:

Wendy Mackstutis, First Selectman

George McGregor, Director of Community Planning and Development

Ensign Bickford Realty Corporation, Property Owner

Alex Tyurin, Verizon Wireless

# **ATTACHMENT 1**

# Connecticut Siting Council <sup>(/CSC)</sup>

[CT.gov Home](#) / / [Connecticut Siting Council](#) / (/CSC) Connecticut Siting Council Decision for Simsbury Docket No. 203

Connecticut  
Siting

Council

November 7,  
2001

**DOCKET NO. 203** - New England Site Management application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications facility located on Grist Mill Road, known as the Powder Forest, Simsbury, Connecticut.

## Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility at the proposed site in Simsbury, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to New England Site Management for the construction, maintenance and operation of a cellular telecommunications facility at the proposed site located on Grist Mill Road, known as the Powder Forest, Simsbury, Connecticut.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of the Town of Simsbury, Cingular, Nextel, AT&T and other entities, both public and private, but such tower shall not exceed a height of 130 feet above ground level unless sufficient carriers commit to placement of antennas on the tower and no space on the tower exists below 130 feet, which, if approved by the Council through a petition pursuant to Sections 16-50j-38 through 16-50j-40 of the Regulations of Connecticut State Agencies, shall authorize the construction or extension of the tower to a maximum height of 150 feet above ground level (AGL).
2. The Certificate Holder shall prepare a D&M Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include: a final site plan(s) for site development to include the location and specifications for the tower foundation, placement of carrier antennas, tower height, provisions for tower extension, equipment buildings, security fence, access road, and utility line; construction plans for site clearing, tree trimming, water drainage, and erosion and sedimentation controls consistent with the [Connecticut Guidelines for Soil Erosion and Sediment Control](#), as amended; landscaping and provisions to protect the existing vegetative buffer that would extend around the facility compound; a tower finish that may include painting; and provisions for the prevention and containment of spills and/or other discharge into surface water and groundwater bodies.
3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall provide a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.
4. Upon the establishment of any new State or Federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
6. If the facility does not initially provide, or permanently ceases to provide cellular services following completion of construction, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
7. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and ceases to function.
8. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in [The Hartford Courant](#).

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

The parties and intervenors to this proceeding are:

New England Site Management, LLC  
(NESM)

Wayne Kemp  
New England Site Management, LLP  
1050 Buckley Highway  
Union, CT 06076

Andrew Lord  
Murtha Cullina, LLP  
City Place 1, 185 Asylum Street  
Hartford, CT 06103-3469

Douglas Roberts, AIA  
URS Corporation AES  
795 Brook Street, Building 5  
Rocky Hill, CT 06067

Town of Simsbury

Robert M. DeCrescenzo, Esq.  
Updike, Kelly & Spellacy, P.C.  
P.O. Box 231277  
One State Street  
Hartford, CT 06123-1277

Crown Atlantic Company

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

SNET Mobility, LLC, d/b/a  
Cingular Wireless (Cingular)

Peter W. van Wilgen  
SNET Mobility, LLC  
500 Enterprise Drive  
Rocky Hill, CT 06067-3900

AT&T Wireless Services, LLC

Christopher B. Fisher, Esq.  
Cuddy & Feder & Worby LLP  
90 Maple Avenue  
White Plains, NY 10601-5196

Nextel Communications of the  
Mid-Atlantic, Inc. d/b/a Nextel Communications

Christopher B. Fisher, Esq.  
Cuddy & Feder & Worby LLP  
90 Maple Avenue  
White Plains, NY 10601-5196

Docket No. 203/Petition 559  
New England Site Management, LLC  
Development and Management Plan  
Simsbury  
Staff Report  
May 21, 2002

New England Site Management, LLC (NESM) has submitted a Development and Management (D&M) Plan to the Connecticut Siting Council (Council) consistent with the Council's decision dated November 7, 2001.

Consistent with the Council's Decision and Order (D&O), Condition (1) NESM submitted a petition for declaratory ruling to extend the height of the tower from 130 feet above ground level (AGL) to 150 feet AGL. The tower would accommodate seven carriers with antenna platforms identified beginning at 90 feet to 150 feet at 10-foot intervals. Cingular Wireless would be located at 150 feet AGL, Verizon Wireless at 140 feet AGL, Nextel Communications at 130 feet AGL, AT&T Wireless at 120 feet AGL, VoiceStream at 110 feet AGL, NESM at 100 feet AGL, and the Town of Simsbury at 90 feet AGL. The tower will be designed to withstand an 80-mile per hour (mph) wind with ½ inch radial ice. The structural analysis was done for a 190-foot tower, although the applicant is proposing a 150-foot tower.

NESM proposes to construct three 8 foot by 20-foot concrete pads for AT&T, VoiceStream, and a pad shared by the Town of Simsbury and NESM. Two 12 foot by 30 foot equipment buildings would house the equipment of Verizon and Cingular, and one 12 foot by 24 foot equipment building would be used for Nextel's equipment.

Access to the site would be from Grist Mill Road, within the Powder Forest Industrial Park. The 25-foot wide access road would extend approximately 1100 feet to the facility. Utilities would be placed underground along the proposed access drive.

Some clearing is necessary for the construction of the facility. Silt fencing would be installed along the north side of the access road and around the equipment compound prior to construction. An 8-foot high wooden fence will enclose the compound. Landscaping will be placed around the lease area.

Consistent with the Council's D&O, Condition (3), the cumulative worst-case radio frequency power density levels, as certified by a Texas registered professional engineer, for Cingular, Verizon, Nextel, AT&T, VoiceStream, New England Site Management, and the Town of Simsbury would be approximately 10.9% of the applicable ANSI standard at the closest point of uncontrolled access at the tower base. NESM was unable to provide the Council, to date, with specifications for each carrier's equipment to be used for staff to check the accuracy of the power density levels provided.

Dwyer has complied with the Council's Decision and Order dated November 7, 2001 for the proposed Simsbury site and Council staff recommends approval of this D&M plan.

# **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

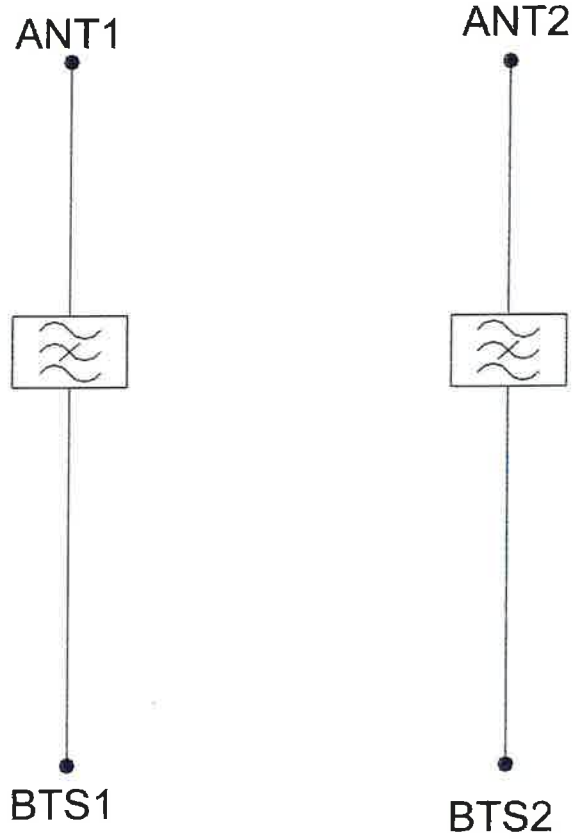
BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum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



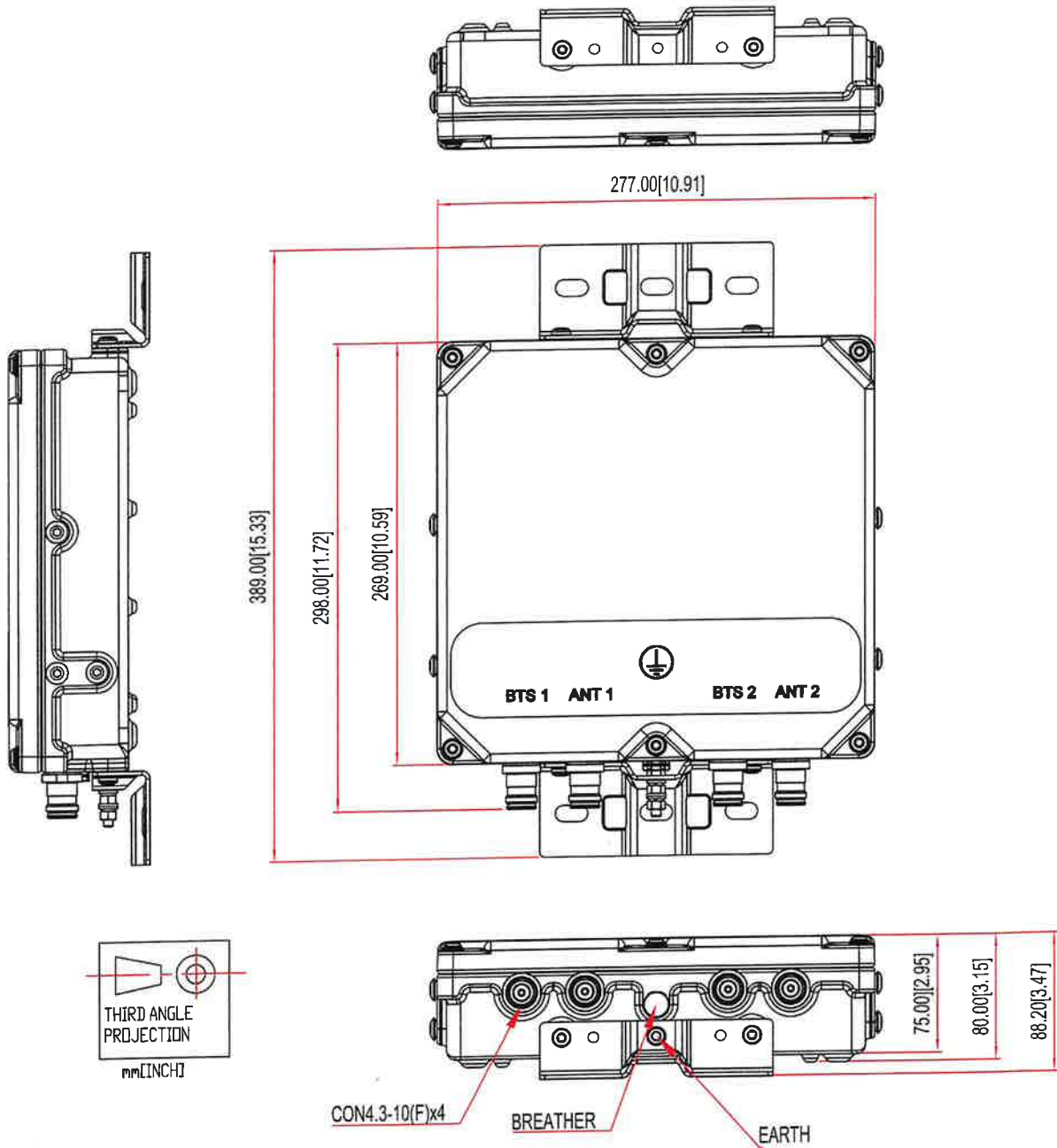
## ORDERING INFORMATION

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: 5000384597 / SIMSBURY CT  
Application #: 232543, v2

SBA Site ID / Name: CT10022-A / Simsbury 2, CT

150 ft Monopole

225 Grist Mill Road  
Simsbury, Connecticut 06070  
Lat: 41.866708, Long: -72.815772

Project number: CT10022-VZW-071123

### Analysis Results

Tower	91.9%	Pass
Foundation	79.0%	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

July 13, 2023



07/13/23

**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 ..... ..

    Coax Layout ..... ..

    TESPole Report ..... ..

    Foundation Analysis Report ..... ..



## Introduction

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

Table 1 List of Documents Used

Item	Document
Tower design/drawings	Rohn Industries Inc., File # 50754AE, dated 02/13/2002
Foundation drawings	Rohn Industries Inc., File # 50754AE, dated 02/13/2002
Geotechnical report	FDH Engineering Inc., Project # 15BGSH1600, dated 03/19/2015
Modification drawings	TES, Project # 124082, dated 03/02/2022
Mount analysis	Maser Consulting, Project # 21777087A, dated 11/19/2021
Latest SA	TES, Project # 131668, dated 07/18/2022

## Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut/Hartford/Simsbury
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 CSBC
Ultimate Wind Speed (3-Sec gust)	116.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.50"
Risk Category	II
Exposure Category	C
Topographic Category	1
Crest Height	0 ft
Ground Elevation	276.99 ft.
Seismic Parameter $S_s$	0.176
Seismic Parameter $S_1$	0.054

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

## Appurtenance Loading

### Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	150.0	1	Cci TPA65R-BU6DA-K – Panel	(3) Sector Frames SitePro1 VFA14-H102120 (2) SitePro1 LWRM (6) SitePro1 MM01	(3) 0.92" DC (6) 1 5/8" (1) 1/2" Fiber (1) 3" Conduit* (3) 3/8" Fiber (4) 3/4" DC	AT&T
2		1	Cci OPA65R-BU6DA – Panel			
3		2	Cci TPA65R-BU8DA-K – Panel			
4		2	Cci OPA65R-BU8DA – Panel			
5		6	Cci DTMAPB7819VG12A – TMA			
6		6	CCI TPX-070821 – Diplexer			
7		3	Ericsson RRUS32 – RRU			
8		3	Ericsson RRUS 4478 B14 – RRU			
9		3	Ericsson RRUS 4449 B5/B12 – RRU			
10		3	CSS DBC-750 – Combiners			
11		2	Raycap DC6-48-60-18-8F – OVP			
12		1	Raycap DC9-48-60-24-8C-EV – OVP			
13		3	Commscope ABT-DRDM-ADBH – BiasT			
14		1	LMU Antenna unknown - LMU Antenna			
15		3	Ericsson RRUS 8843 B2 B66A – RRU			
16	148.75	3	Ericsson AIR6449 B77D – Panel	Modified Low Profile Platform w/ (1) handrail (HRK-14) and (3) Commscope BSAMNTSBS-2-2	(1) 1/2" (2) 1 5/8" Hybrid (12) 1 5/8"	Verizon
17	6	Andrew SBNHH-1D65B – Panel				
18	3	Amphenol Antel BXA-70080/4CF – Panel				
19	3	Samsung XXDWMM-12.5-65-8T-CBRS integrated with RRH – Panel				
20	3	Samsung MT6407-77A – Panel				
21	3	Samsung B2/B66A RRHBR049 – RRU				
22	3	Samsung B5/B13 RRHBR04C – RRU				
23	2	Raycap RVZDC-6627-PF48 – OVP				
24	3	Samsung CBRS RRH - RT4401- 48A – RRU				
26	131.0	3	RFS APXVAALL24-43-U-NA20 – Panel	Low profile platform with Handrail (Sitepro1 RMQP-4096-HK)	(3) 1 5/8" Hybrid (12) 7/8"	T-Mobile
27		3	Ericsson AIR6449 B41 – Panel			
28		3	Ericsson AIR32 KRD901146-1_B66A_B2A (Octo) – Panel			
29		3	Ericsson KRY 112 144-1 Double – TMA			
30		3	RFS ATMAA1412D-1A20 – TMA			
31		3	Commscope SDX1926Q-43 – Diplexer			
32		3	Ericsson Radio 4449 B71+B85 – RRU			
33		3	Ericsson 4415 B25 – RRU			
34		3	Kathrein 782 11056			

\* Housing (2) 1/2" DC power / (4) 3/8" Fiber.



Table 3 Existing Appurtenances (Continued)

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
35	123.0	3	RFS - APXVTM14-C-I20 – Panel	Platform w/ Handrail Kit (SitePro1 HRK14)]	(4) 1-1/4" Fiber	T-Mobile Sprint
36		2	RFS - APXVSP18-C-A20 – Panel			
37		1	RFS - APXVSP18-C-A20 – Panel			
38		4	RFS ACU-A20-N – RET			
39		3	ALU TD-RRH8x20-25 – RRU			
40		3	ALU 1900 MHz RRH – RRU			
41		3	ALU 800 MHz RRH – RRU			
42		3	ALU 800 MHz – Filter			
43	110.0	3	JMA Wireless MX08FRO665-21 – Panel	Platform with Handrail (Commscope MC-PK8-DSH)	(1) 1.60" Hybrid	Dish Wireless
44		3	Fujitsu TA08025-B604 – RRU			
45		3	Fujitsu TA08025-B605 – RRU			
46		1	Raycap RDIDC-9181-PF-48 – OVP			

Note: AT&T loading includes FirstNET equipment

**Proposed Loading:**

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 232543, 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
17	140.0	6	Andrew SBNHH-1D65B – Panel	Modified Low Profile Platform w/ (1) handrail (HRK-14) and (3) Commscope BSAMNTSBS-2-2	(1) 1/2" (2) 1 5/8" Hybrid (12) 1 5/8"	Verizon
18		3	Amphenol Antel BXA-70080/4CF – Panel			
19		3	Samsung XXDWMM-12.5-65-8T-CBRS integrated with RRH – Panel			
20		3	Samsung MT6407-77A – Panel			
21		3	Samsung B2/B66A RRHBR049 – RRU			
22		3	Samsung B5/B13 RRHBR04C – RRU			
23		2	Raycap RVZDC-6627-PF48 – OVP			
24		3	Samsung CBRS RRH - RT4401-48A – RRU			
25		2	Kaelus BSF0020F3V1-1 – Filter			



## 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>	91.9%	66.5%	65.5%
<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>	79.0%	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 91.85% at 20.0ft

**Structure:** CT10022-A  
**Site Name:** Simsbury 2, CT  
**Height:** 150.00 (ft)  
**Base Elev:** 0.000 (ft)

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

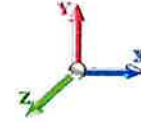
7/13/2023



Page: 1

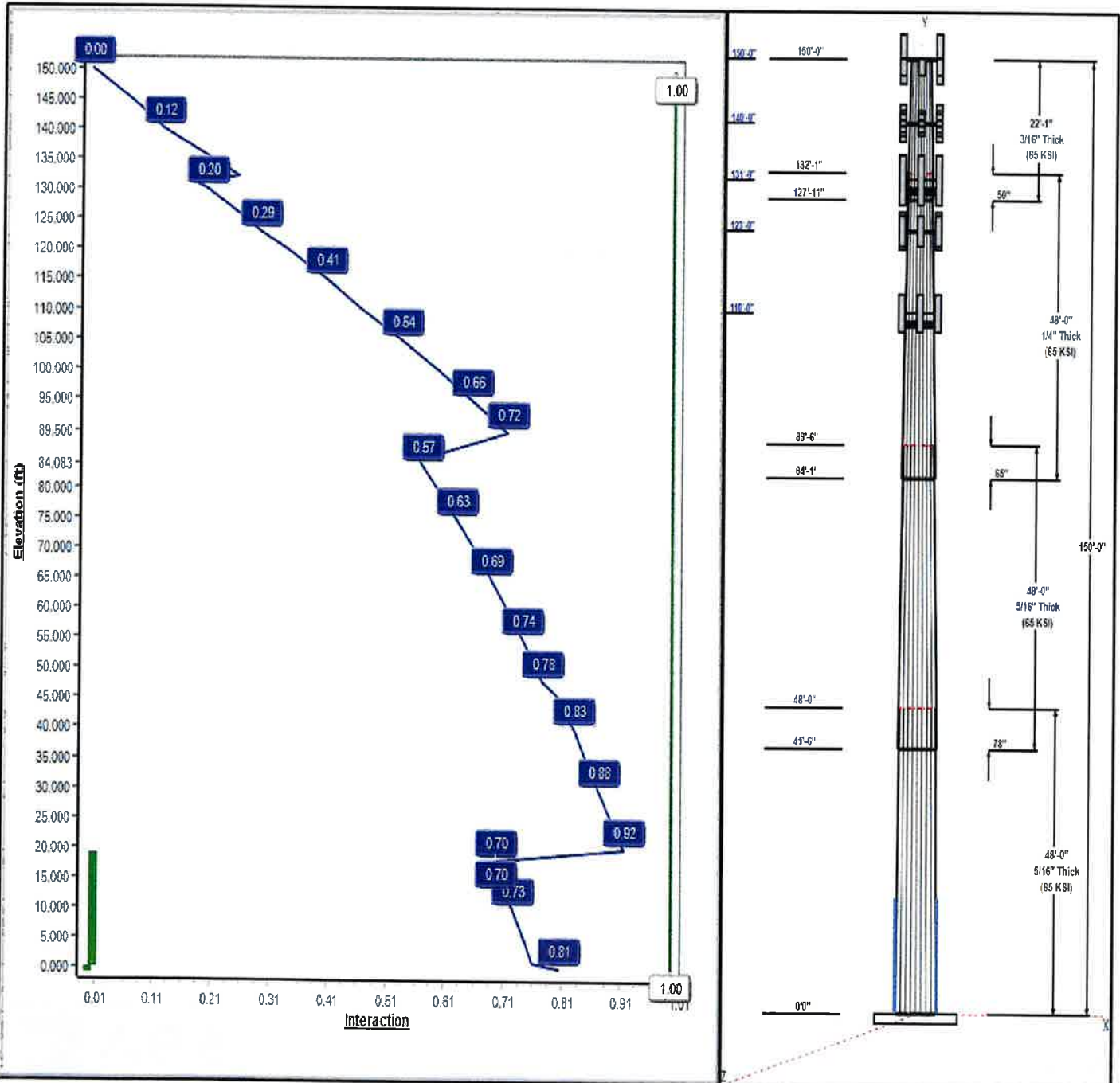
**Dead Load Factor:** 1.20  
**Wind Load Factor:** 1.00

**Load Case : 1.2D + 1.0W 116 mph Wind**



**Iterations:** 22

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



## Structure: CT10022-A

**Type:** Tapered  
**Site Name:** Simsbury 2, CT  
**Height:** 150.00 (ft)  
**Base Elev:** 0.00 (ft)

**Base Shape:** 18 Sided  
**Taper:** 0.23135

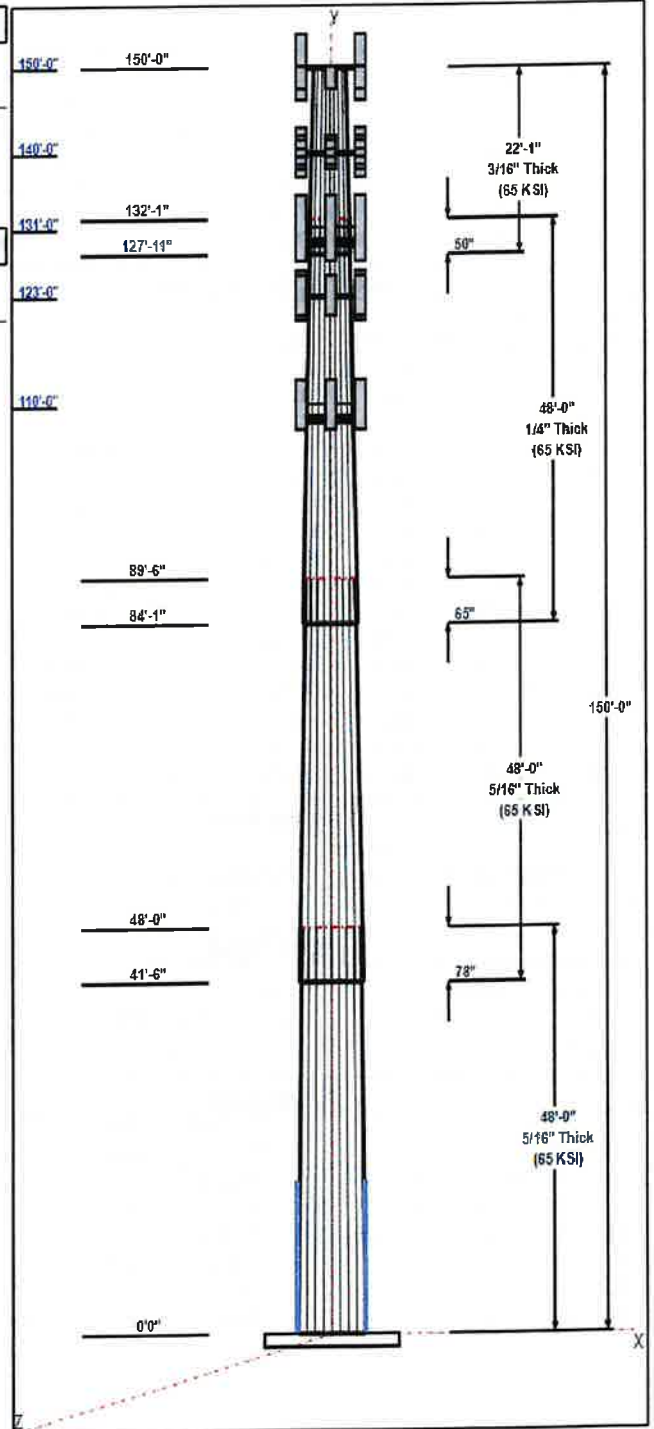
7/13/2023

Page: 2



Shaft Properties							
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	48.00	50.40	61.50	0.313		0.23135	65
2	48.00	41.42	52.52	0.313	Slip	0.23135	65
3	48.00	32.07	43.17	0.250	Slip	0.23135	65
4	22.08	28.30	33.41	0.188	Slip	0.23135	65

Discrete Appurtenances				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
150.00	150.00	1	Cci TPA65R-BU6DA-K	AT&T
150.00	150.00	1	Cci OPA65R-BU6DA	AT&T
150.00	150.00	2	Cci TPA65R-BU8DA-K	AT&T
150.00	150.00	2	Cci OPA65R-BU8DA	AT&T
150.00	148.75	3	Ericsson AIR6449 B77D	AT&T
150.00	150.00	6	Cci DTMABP7819VG12A	AT&T
150.00	150.00	6	CCI TPX-070821	AT&T
150.00	150.00	3	Ericsson RRUS32	AT&T
150.00	150.00	3	Ericsson RRUS 4478 B14	AT&T
150.00	150.00	3	Ericsson RRUS 4449	AT&T
150.00	150.00	3	CSS DBC-750	AT&T
150.00	150.00	2	Raycap DC6-48-60-18-8F	AT&T
150.00	150.00	1	Raycap	AT&T
150.00	150.00	3	Commscope	AT&T
150.00	150.00	1	LMU Antenna unknown	AT&T
150.00	150.00	3	SitePro1 VFA14-H10-2120	AT&T
150.00	150.00	2	Ring Mount	AT&T
150.00	150.00	3	Ericsson RRUS 8843 B2	AT&T
150.00	150.00	12	Mount Pipes	AT&T
140.00	140.00	2	BSF0020F3V1-1	Verizon
140.00	140.00	1	Platform w/ HRK Handrail	Verizon
140.00	140.00	3	CBRS RRH - RT4401- 48A	Verizon
140.00	140.00	3	Samsung MT6407-77A	Verizon
140.00	140.00	3	Antel BXA-70080/4CF	Verizon
140.00	140.00	6	Andrew SBNHH-1D65B	Verizon
140.00	140.00	3	XXDWMM-12.5-65-8T-CB	Verizon
140.00	140.00	3	B2/B66A RRHBR049	Verizon
140.00	140.00	3	B5/B13 RRHBR04C	Verizon
140.00	140.00	2	RVZDC-6627-PF48	Verizon
131.00	131.00	3	APXVAALL24-43-U-NA20	T-Mobile
131.00	131.00	3	AIR6449 B41	T-Mobile
131.00	131.00	3	AIR32	T-Mobile
131.00	131.00	3	KRY 112 144-1 Double	T-Mobile
131.00	131.00	3	ATMAA1412D-1A20 TMA	T-Mobile
131.00	131.00	3	SDX1926Q-43 Diplexer	T-Mobile
131.00	131.00	3	Radio 4449 B71+B85	T-Mobile
131.00	131.00	3	Ericsson 4415 B25	T-Mobile
131.00	131.00	3	Bias-T 782 11056	T-Mobile
131.00	131.00	1	Sitepro1 RMQP-4096-HK	T-Mobile
131.00	131.00	12	Mount Pipes	T-Mobile
123.00	123.00	1	Platform w/ HRK Handrail	Sprint Nextel
123.00	123.00	3	APXVTM14-C-I20	Sprint Nextel
123.00	123.00	2	APXVSPP18-C-A20	Sprint Nextel
123.00	123.00	3	ALU - TD-RRH8x20-25 -	Sprint Nextel
123.00	123.00	3	ALU - 1900 MHz RRH -	Sprint Nextel



**Structure: CT10022-A**

<b>Type:</b> Tapered	<b>Base Shape:</b> 18 Sided	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Taper:</b> 0.23135	
<b>Height:</b> 150.00 (ft)		
<b>Base Elev:</b> 0.00 (ft)		Page: 3



123.00	123.00	1	APXVSP18-C-A20 (50 lb)	Sprint Nextel
123.00	123.00	3	ALU - 800 MHz Filter	Sprint Nextel
123.00	123.00	3	ALU - 800 MHz RRH -	Sprint Nextel
123.00	123.00	4	RFS - ACU-A20-N - RET	Sprint Nextel
110.00	110.00	3	Fujitsu TA08025-B604	Dish Wireless
110.00	110.00	1	Raycap	Dish Wireless
110.00	110.00	3	JMA Wireless	Dish Wireless
110.00	110.00	3	Fujitsu TA08025-B605	Dish Wireless
110.00	110.00	1	MC-PK8-DSH	Dish Wireless

**Linear Appurtenances**

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	150.00	Inside	0.92" DC	AT&T
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	1/2" DC Power	AT&T
0.00	150.00	Inside	3" Conduit	AT&T
0.00	150.00	Inside	3/4" DC	AT&T
0.00	150.00	Inside	3/8" Fiber	AT&T
0.00	150.00	Inside	3/8" Fiber	AT&T
0.00	140.00	Inside	1 5/8" Coax	Verizon
0.00	140.00	Inside	1 5/8" Hybrid	Verizon
0.00	140.00	Inside	1/2" Coax	Verizon
0.00	131.00	Inside	1 5/8" Hybrid	T-Mobile
0.00	131.00	Inside	7/8" Coax	T-Mobile
0.00	123.00	Inside	1-1/4" Fiber	Sprint Nextel
0.00	110.00	Outside	1.60" Hybrid	Dish Wireless
0.00	20.00	Outside	1.25" Reinforcing plate	

**Anchor Bolts**

Qty	Specifications	Grade (ksi)	Arrangement
14	2.25" 18J	75.0	Radial

**Base Plate**

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.0000	73.5	50.0	Round

**Reactions**

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 116 mph Wind	4202.8	37.2	54.3
0.9D + 1.0W 116 mph Wind	4153.2	37.2	40.7
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1194.6	10.9	65.3
1.2D + 1.0Ev + 1.0Eh	102.0	0.7	56.1
0.9D + 1.0Ev + 1.0Eh	101.0	0.7	42.4
1.0D + 1.0W 60 mph Wind	999.2	8.9	45.3



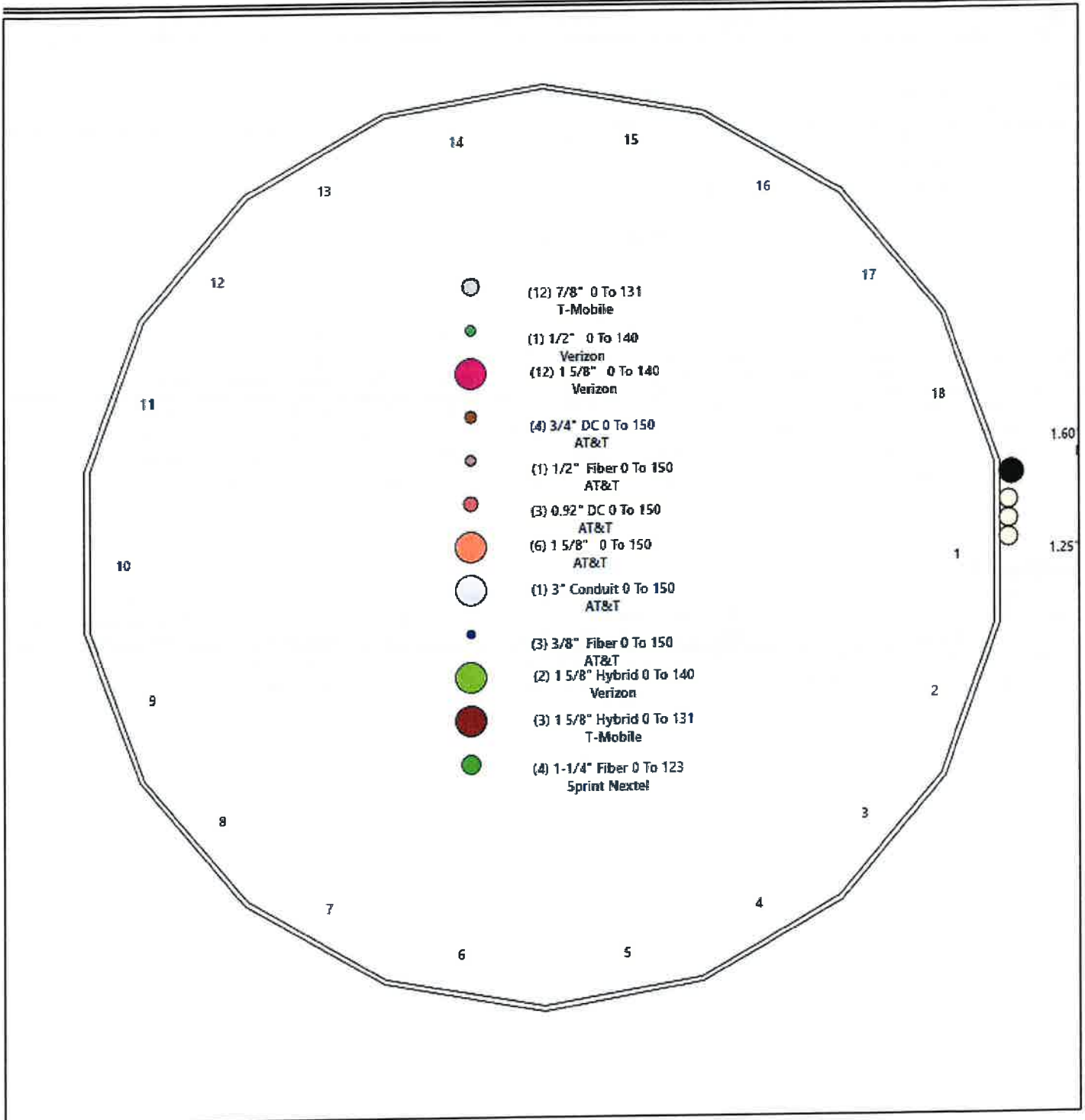
# Structure: CT10022-A - Coax Line Placement

7/13/2023

**Type:** Monopole  
**Site Name:** Simsbury 2, CT  
**Height:** 150.00 (ft)



Page: 4



## Shaft Properties

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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: 5

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	48.000	0.3125	65		0.00	9,013
2	18	48.000	0.3125	65	Slip	78.00	7,559
3	18	48.000	0.2500	65	Slip	65.00	4,843
4	18	22.083	0.1875	65	Slip	50.00	1,371
<b>Total Shaft Weight:</b>							<b>22,786</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	61.50	0.00	60.69	28706.65	33.29	196.80	50.40	48.00	49.67	15742.0	27.02	161.2	0.231347
2	52.52	41.50	51.79	17835.93	28.23	168.08	41.42	89.50	40.77	8704.44	21.96	132.5	0.231347
3	43.17	84.08	34.06	7927.61	29.04	172.69	32.07	132.08	25.25	3229.25	21.21	128.2	0.231347
4	33.41	127.9	19.77	2756.27	30.01	178.17	28.30	150.00	16.73	1670.13	25.20	150.9	0.231347

### Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Fu (ksi)	Offset (in)	Intermediate Connectors		Termination Connectors			
							Description	Spacing (in)	Description	Spacing (in)	Lower Qty	Upper Qty
0.00	1.00	3	SOL 2 1/4" William R71	128	150	5.62	5/8" Holo Bolt	12.00	5/8" Holo Bolt	3.00		
1.00	18.00	3	LNP LP6X125-B-20T	65	80	0.00	5/8" Holo Bolt	24.00	5/8" Holo Bolt	3.00		12

## Load Summary

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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	150.00	Cci TPA65R-BU6DA-K	1	67.50	12.87	0.72	366.06	14.343	0.72	0.00	0.00
2	150.00	Cci OPA65R-BU6DA	1	63.30	12.71	0.73	350.76	14.198	0.73	0.00	0.00
3	150.00	Cci TPA65R-BU8DA-K	2	82.50	17.87	0.72	479.08	19.666	0.72	0.00	0.00
4	150.00	Cci OPA65R-BU8DA	2	69.00	11.20	0.89	334.84	12.865	0.89	0.00	0.00
5	150.00	Ericsson AIR6449 B77D	3	88.00	4.13	0.85	225.55	4.987	0.85	0.00	-1.25
6	150.00	Cci DTMABP7819VG12A TMA	6	19.20	1.14	0.67	44.72	1.910	0.67	0.00	0.00
7	150.00	CCI TPX-070821	6	9.50	0.61	0.67	22.45	1.222	0.67	0.00	0.00
8	150.00	Ericsson RRUS32	3	77.00	1.65	0.67	125.49	2.230	0.67	0.00	0.00
9	150.00	Ericsson RRUS 4478 B14	3	59.40	1.65	0.67	100.87	2.168	0.67	0.00	0.00
10	150.00	Ericsson RRUS 4449 B5/B12	3	71.00	1.97	0.67	124.38	2.517	0.67	0.00	0.00
11	150.00	CSS DBC-750	3	4.80	0.51	0.67	14.47	1.039	0.67	0.00	0.00
12	150.00	Raycap DC6-48-60-18-8F	2	31.80	0.92	1.00	93.62	1.358	1.00	0.00	0.00
13	150.00	Raycap DC9-48-60-24-8C-EV	1	26.20	1.14	1.00	132.19	2.727	1.00	0.00	0.00
14	150.00	Commscope ABT-DRDM-ADBH	3	1.10	0.05	0.67	3.33	0.242	0.67	0.00	0.00
15	150.00	LMU Antenna unknown	1	1.50	0.13	0.67	5.95	0.426	0.67	0.00	0.00
16	150.00	SitePro1 VFA14-H10-2120	3	672.00	14.40	1.00	1258.39	25.960	1.00	0.00	0.00
17	150.00	Ring Mount	2	264.35	2.00	1.00	541.16	3.396	1.00	0.00	0.00
18	150.00	Ericsson RRUS 8843 B2 B66A	3	72.00	1.64	0.67	119.95	2.151	0.67	0.00	0.00
19	150.00	Mount Pipes	12	38.32	1.75	1.00	78.45	2.972	1.00	0.00	0.00
20	140.00	BSF0020F3V1-1	2	17.60	0.96	0.83	40.80	1.353	0.84	0.00	0.00
21	140.00	Platform w/ HRK Handrail Kit	1	1709.10	26.56	1.00	3486.44	44.974	1.00	0.00	0.00
22	140.00	CBRS RRH - RT4401- 48A	3	18.64	0.99	0.50	44.42	1.402	0.50	0.00	0.00
23	140.00	Samsung MT6407-77A	3	87.10	4.70	0.70	198.51	5.596	0.71	0.00	0.00
24	140.00	Antel BXA-70080/4CF	3	12.00	3.56	0.88	102.04	4.402	0.89	0.00	0.00
25	140.00	Andrew SBNHH-1D65B	6	40.00	8.16	0.83	230.35	9.410	0.84	0.00	0.00
26	140.00	XXDWMM-12.5-65-8T-CBRS	3	23.10	0.89	0.50	47.60	1.277	0.50	0.00	0.00
27	140.00	B2/B66A RRHBR049	3	84.40	1.88	0.50	134.78	2.421	0.50	0.00	0.00
28	140.00	B5/B13 RRHBR04C	3	73.30	1.88	0.50	121.07	2.421	0.50	0.00	0.00
29	140.00	RVZDC-6627-PF48	2	32.00	4.06	0.94	145.28	4.871	0.94	0.00	0.00
30	131.00	APXVAALL24-43-U-NA20	3	122.80	20.24	0.70	544.04	22.114	0.70	0.00	0.00
31	131.00	AIR6449 B41	3	103.00	5.65	0.71	238.27	6.588	0.71	0.00	0.00
32	131.00	AIR32 KRD901146-1_B66A_B2A	3	132.20	6.51	0.87	313.65	7.674	0.87	0.00	0.00
33	131.00	KRY 112 144-1 Double	3	11.00	0.41	0.50	21.64	0.879	0.50	0.00	0.00
34	131.00	ATMAA1412D-1A20 TMA	3	13.00	1.17	0.50	39.22	1.942	0.50	0.00	0.00
35	131.00	SDX1926Q-43 Diplexer	3	6.00	0.29	0.50	15.67	0.704	0.50	0.00	0.00
36	131.00	Radio 4449 B71+B85	3	73.20	1.97	0.50	130.17	2.532	0.50	0.00	0.00
37	131.00	Ericsson 4415 B25	3	46.00	1.64	0.50	86.55	2.148	0.50	0.00	0.00
38	131.00	Bias-T 782 11056	3	1.50	0.13	0.50	5.89	0.422	0.50	0.00	0.00
39	131.00	Sitepro1 RMQP-4096-HK	1	1945.00	34.54	1.00	3954.27	58.328	1.00	0.00	0.00
40	131.00	Mount Pipes	12	38.32	1.43	1.00	77.91	2.415	1.00	0.00	0.00
41	123.00	Platform w/ HRK Handrail Kit	1	1709.10	26.56	1.00	3463.58	44.737	1.00	0.00	0.00
42	123.00	APXVTM14-C-I20	3	55.00	6.34	0.79	211.63	7.430	0.79	0.00	0.00
43	123.00	APXVSPP18-C-A20	2	57.00	8.02	0.83	226.46	10.759	0.83	0.00	0.00
44	123.00	ALU - TD-RRH8x20-25 - RRU	3	70.00	4.05	0.50	177.85	4.846	0.50	0.00	0.00
45	123.00	ALU - 1900 MHz RRH - RRU	3	60.00	2.71	0.50	139.17	3.949	0.50	0.00	0.00
46	123.00	ALU - 1900 MHz RRH - RRU (50 lb)	1	50.00	8.02	1.00	198.65	10.759	1.00	0.00	0.00
47	123.00	ALU - 800 MHz Filter	3	8.80	0.78	0.67	26.10	1.414	0.67	0.00	0.00
48	123.00	ALU - 800 MHz RRH - RRU	3	53.00	2.49	0.50	125.51	3.611	0.50	0.00	0.00
49	123.00	RFS - ACU-A20-N - RET	4	1.00	0.14	0.50	5.21	0.431	0.50	0.00	0.00
50	110.00	Fujitsu TA08025-B604 RRU	3	63.90	1.96	0.50	112.98	2.504	0.50	0.00	0.00

**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		
51	110.00	Raycap RDIDC-9181-PF-48-OVP	1	21.90	2.01	1.00	73.52	2.561	1.00	0.00	0.00
52	110.00	JMA Wireless MX08FRO665-21	3	64.50	12.49	0.74	346.49	13.910	0.74	0.00	0.00
53	110.00	Fujitsu TA08025-B605 RRU	3	75.00	1.96	0.50	125.71	2.504	0.50	0.00	0.00
54	110.00	MC-PK8-DSH	1	1736.00	34.23	1.00	3380.81	75.928	1.00	0.00	0.00
<b>Totals:</b>			<b>163</b>	<b>16,682.20</b>			<b>38,660.97</b>				

**Linear Appurtenances**

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	150.00	(3) 0.92" DC	0.00	Inside
0.00	150.00	(6) 1 5/8" Coax	0.00	Inside
0.00	150.00	(1) 1/2" Fiber	0.00	Inside
0.00	150.00	(2) 1/2" DC Power	0.00	Inside
0.00	150.00	(1) 3" Conduit	0.00	Inside
0.00	150.00	(4) 3/4" DC	0.00	Inside
0.00	150.00	(4) 3/8" Fiber	0.00	Inside
0.00	150.00	(3) 3/8" Fiber	0.00	Inside
0.00	140.00	(12) 1 5/8" Coax	0.00	inside
0.00	140.00	(2) 1 5/8" Hybrid	0.00	Inside
0.00	140.00	(1) 1/2" Coax	0.00	Inside
0.00	131.00	(3) 1 5/8" Hybrid	0.00	Inside
0.00	131.00	(12) 7/8" Coax	0.00	Inside
0.00	123.00	(4) 1-1/4" Fiber	0.00	Inside
0.00	110.00	(1) 1.60" Hybrid	1.60	Outside
0.00	20.00	(3) 1.25" Reinforcing plate	1.25	Outside

## Shaft Section Properties

**Structure:** CT10022-A  
**Site Name:** Simsbury 2, CT  
**Height:** 150.00 (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

7/13/2023

Page: 8



**Increment Length:** 5 (ft)

Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Additional Reinforcing			
											Area (in^2)	Ixp (in^4)	Iyp (in^4)	Weight (lb)
0.00	RB1	0.3125	61.500	60.688	28706.7	33.29	196.80	65	62	0.0	12.24	10534.3	6610.2	
1.00	RT1 RB2	0.3125	61.269	60.459	28382.3	33.16	196.06	65	62	206.1	22.50	13463.4	8454.7	76.6
5.00		0.3125	60.343	59.541	27109.2	32.64	193.10	65	63	816.7	22.50	13068.1	8206.7	306.2
10.00		0.3125	59.187	58.394	25572.1	31.99	189.40	65	64	1003.3	22.50	12582.3	7902.0	382.8
15.00		0.3125	58.030	57.246	24094.2	31.33	185.70	65	65	983.7	22.50	12105.8	7603.0	382.8
18.00	RT2	0.3125	57.336	56.558	23235.4	30.94	183.47	65	65	580.9	22.50	11824.3	7426.5	229.7
20.00		0.3125	56.873	56.099	22674.4	30.68	181.99	65	65	383.3				
25.00		0.3125	55.716	54.952	21311.5	30.03	178.29	65	66	944.7				
30.00		0.3125	54.560	53.804	20004.3	29.37	174.59	65	67	925.2				
35.00		0.3125	53.403	52.657	18751.7	28.72	170.89	65	68	905.7				
40.00		0.3125	52.246	51.510	17552.6	28.07	167.19	65	68	886.1				
41.50	Bot - Section 2	0.3125	51.899	51.166	17203.0	27.87	166.08	65	69	262.0				
45.00		0.3125	51.089	50.363	16405.6	27.42	163.49	65	69	1216.6				
48.00	Top - Section 1	0.3125	51.020	50.294	16338.8	27.38	163.27	65	69	1027.5				
50.00		0.3125	50.558	49.835	15895.6	27.12	161.78	65	70	340.7				
55.00		0.3125	49.401	48.688	14822.9	26.46	158.08	65	70	838.1				
60.00		0.3125	48.244	47.541	13799.5	25.81	154.38	65	71	818.6				
65.00		0.3125	47.087	46.393	12824.3	25.16	150.68	65	72	799.1				
70.00		0.3125	45.931	45.246	11896.2	24.51	146.98	65	73	779.6				
75.00		0.3125	44.774	44.099	11014.0	23.85	143.28	65	73	760.0				
80.00		0.3125	43.617	42.951	10176.6	23.20	139.58	65	74	740.5				
84.08	Bot - Section 3	0.3125	42.673	42.014	9525.0	22.67	136.55	65	75	590.3				
85.00		0.3125	42.461	41.804	9382.7	22.55	135.87	65	75	236.7				
89.50	Top - Section 2	0.2500	41.919	33.064	7253.3	28.16	167.68	65	68	1144.8				
90.00		0.2500	41.804	32.972	7193.1	28.07	167.22	65	68	56.2				
95.00		0.2500	40.647	32.054	6609.0	27.26	162.59	65	69	553.2				
100.00		0.2500	39.490	31.136	6057.3	26.44	157.96	65	70	537.6				
105.00		0.2500	38.334	30.218	5537.3	25.63	153.33	65	71	521.9				
110.00		0.2500	37.177	29.300	5047.9	24.81	148.71	65	72	506.3				
115.00		0.2500	36.020	28.383	4588.2	23.99	144.08	65	73	490.7				
120.00		0.2500	34.863	27.465	4157.4	23.18	139.45	65	74	475.1				
123.00		0.2500	34.169	26.914	3912.3	22.69	136.68	65	75	277.6				
125.00		0.2500	33.707	26.547	3754.3	22.36	134.83	65	75	181.9				
127.92	Bot - Section 4	0.2500	33.032	26.012	3531.7	21.89	132.13	65	76	260.8				
130.00		0.2500	32.550	25.629	3378.2	21.55	130.20	65	76	322.2				
131.00		0.2500	32.319	25.446	3306.2	21.38	129.27	65	76	153.0				
132.08	Top - Section 3	0.1875	32.443	19.195	2523.2	29.10	173.03	65	67	164.5				
135.00		0.1875	31.768	18.794	2368.2	28.46	169.43	65	68	188.5				
140.00		0.1875	30.611	18.105	2117.4	27.38	163.26	65	69	313.9				
145.00		0.1875	29.455	17.417	1884.9	26.29	157.09	65	70	302.2				
150.00		0.1875	28.298	16.729	1670.1	25.20	150.92	65	72	290.5				
<b>Total Weight</b>										<b>22786.2</b>				

1378.1

## Wind Loading - Shaft

**Structure:** CT10022-A  
**Site Name:** Simsbury 2, CT  
**Height:** 150.00 (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

7/13/2023

Page: 9



**Load Case:** 1.2D + 1.0W 116 mph Wind

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



**Iterations** 22

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.85	27.539	30.29	553.77	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00	RT1 RB2	1.00	0.85	27.539	30.29	551.69	0.730	0.000	1.00	5.194	3.79	114.9	0.0	247.3
5.00		1.00	0.85	27.539	30.29	543.36	0.730	0.000	4.00	20.581	15.02	455.1	0.0	980.0
10.00		1.00	0.85	27.539	30.29	532.94	0.730	0.000	5.00	25.286	18.46	559.2	0.0	1203.9
15.00		1.00	0.85	27.539	30.29	522.53	0.730	0.000	5.00	24.797	18.10	548.3	0.0	1180.5
18.00	RT2	1.00	0.88	28.579	31.44	525.94	0.730	0.000	3.00	14.643	10.69	336.0	0.0	697.1
20.00		1.00	0.90	29.220	32.14	527.51	0.730	0.000	2.00	9.664	7.05	226.8	0.0	460.0
25.00		1.00	0.95	30.625	33.69	529.06	0.730	0.000	5.00	23.818	17.39	585.7	0.0	1133.6
30.00		1.00	0.98	31.824	35.01	528.12	0.730	0.000	5.00	23.329	17.03	596.1	0.0	1110.2
35.00		1.00	1.01	32.873	36.16	525.38	0.730	0.000	5.00	22.839	16.67	602.9	0.0	1086.8
40.00		1.00	1.04	33.810	37.19	521.27	0.730	0.000	5.00	22.350	16.32	606.8	0.0	1063.4
41.50	Bot - Section 2	1.00	1.05	34.074	37.48	519.82	0.730	0.000	1.50	6.609	4.82	180.8	0.0	314.4
45.00		1.00	1.07	34.659	38.13	516.09	0.730	0.000	3.50	15.436	11.27	429.6	0.0	1459.9
48.00	Top - Section 1	1.00	1.08	35.133	38.65	512.55	0.730	0.000	3.00	13.040	9.52	367.9	0.0	1233.0
50.00		1.00	1.09	35.437	38.98	516.42	0.730	0.000	2.00	8.595	6.27	244.6	0.0	408.9
55.00		1.00	1.12	36.155	39.77	509.69	0.730	0.000	5.00	21.146	15.44	613.9	0.0	1005.8
60.00		1.00	1.14	36.823	40.51	502.33	0.730	0.000	5.00	20.657	15.08	610.8	0.0	982.3
65.00		1.00	1.16	37.449	41.19	494.44	0.730	0.000	5.00	20.167	14.72	606.5	0.0	958.9
70.00		1.00	1.17	38.038	41.84	486.07	0.730	0.000	5.00	19.678	14.36	601.0	0.0	935.5
75.00		1.00	1.19	38.594	42.45	477.28	0.730	0.000	5.00	19.188	14.01	594.7	0.0	912.1
80.00		1.00	1.21	39.122	43.03	468.12	0.730	0.000	5.00	18.699	13.65	587.4	0.0	888.6
84.08	Bot - Section 3	1.00	1.22	39.535	43.49	460.39	0.730	0.000	4.08	14.908	10.88	473.3	0.0	708.3
85.00		1.00	1.22	39.625	43.59	458.62	0.730	0.000	0.92	3.341	2.44	106.3	0.0	284.0
89.50	Top - Section 2	1.00	1.24	40.058	44.06	449.81	0.730	0.000	4.50	16.161	11.80	519.8	0.0	1373.8
90.00		1.00	1.24	40.105	44.12	454.25	0.730	0.000	0.50	1.771	1.29	57.0	0.0	67.4
95.00		1.00	1.25	40.564	44.62	444.21	0.730	0.000	5.00	17.442	12.73	568.1	0.0	663.8
100.00		1.00	1.27	41.004	45.10	433.90	0.730	0.000	5.00	16.953	12.38	558.2	0.0	645.1
105.00		1.00	1.28	41.428	45.57	423.36	0.730	0.000	5.00	16.463	12.02	547.7	0.0	626.3
110.00	Appurtenance(s)	1.00	1.29	41.835	46.02	412.60	0.730	0.000	5.00	15.974	11.66	536.6	0.0	607.6
115.00		1.00	1.30	42.229	46.45	401.64	0.730	0.000	5.00	15.485	11.30	525.1	0.0	588.8
120.00		1.00	1.32	42.609	46.87	390.48	0.730	0.000	5.00	14.995	10.95	513.1	0.0	570.1
123.00	Appurtenance(s)	1.00	1.32	42.831	47.11	383.71	0.730	0.000	3.00	8.762	6.40	301.4	0.0	333.1
125.00		1.00	1.33	42.976	47.27	379.15	0.730	0.000	2.00	5.744	4.19	198.2	0.0	218.3
127.92	Bot - Section 4	1.00	1.33	43.186	47.50	372.47	0.730	0.000	2.92	8.236	6.01	285.6	0.0	313.0
130.00		1.00	1.34	43.333	47.67	367.66	0.730	0.000	2.08	5.847	4.27	203.4	0.0	386.6
131.00	Appurtenance(s)	1.00	1.34	43.403	47.74	365.34	0.730	0.000	1.00	2.776	2.03	96.8	0.0	183.5
132.08	Top - Section 3	1.00	1.34	43.478	47.83	362.82	0.730	0.000	1.08	2.986	2.18	104.2	0.0	197.4
135.00		1.00	1.35	43.678	48.05	360.26	0.730	0.000	2.92	7.924	5.78	277.9	0.0	226.2
140.00	Appurtenance(s)	1.00	1.36	44.014	48.42	348.47	0.730	0.000	5.00	13.196	9.63	466.4	0.0	376.7
145.00		1.00	1.37	44.340	48.77	336.54	0.730	0.000	5.00	12.707	9.28	452.4	0.0	362.6
150.00	Appurtenance(s)	1.00	1.38	44.658	49.12	324.48	0.730	0.000	5.00	12.217	8.92	438.1	0.0	348.6
<b>Totals:</b>									<b>150.00</b>			<b>16,698.8</b>		<b>27,343.5</b>

## Discrete Appurtenance Forces

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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: 10

**Load Case:** 1.2D + 1.0W 116 mph Wind

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



**Iterations** 22

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	150.00	Ericsson RRUS 4478 B14	3	44.658	49.124	0.60	0.90	2.98	213.84	0.000	0.000	146.63	0.00	0.00
2	150.00	Cci TPA65R-BU6DA-K	1	44.658	49.124	0.65	0.90	8.34	81.00	0.000	0.000	409.68	0.00	0.00
3	150.00	Cci OPA65R-BU6DA	1	44.658	49.124	0.66	0.90	8.35	75.96	0.000	0.000	410.21	0.00	0.00
4	150.00	Cci TPA65R-BU8DA-K	2	44.658	49.124	0.65	0.90	23.16	198.00	0.000	0.000	1137.69	0.00	0.00
5	150.00	Cci OPA65R-BU8DA	2	44.658	49.124	0.80	0.90	17.94	165.60	0.000	0.000	881.40	0.00	0.00
6	150.00	Ericsson AIR6449 B77D	3	44.579	49.037	0.77	0.90	9.48	316.80	0.000	-1.250	464.79	0.00	-580.99
7	150.00	Cci DTMABP7819VG12A	6	44.658	49.124	0.60	0.90	4.12	138.24	0.000	0.000	202.61	0.00	0.00
8	150.00	CCI TPX-070821	6	44.658	49.124	0.60	0.90	2.21	68.40	0.000	0.000	108.42	0.00	0.00
9	150.00	Ericsson RRUS32	3	44.658	49.124	0.60	0.90	2.98	277.20	0.000	0.000	146.63	0.00	0.00
10	150.00	Mount Pipes	12	44.658	49.124	0.90	0.90	18.90	551.81	0.000	0.000	928.44	0.00	0.00
11	150.00	LMU Antenna unknown	1	44.658	49.124	0.60	0.90	0.08	1.80	0.000	0.000	3.85	0.00	0.00
12	150.00	Ericsson RRUS 8843 B2	3	44.658	49.124	0.60	0.90	2.97	259.20	0.000	0.000	145.74	0.00	0.00
13	150.00	Ring Mount	2	44.658	49.124	1.00	1.00	4.00	634.44	0.000	0.000	196.50	0.00	0.00
14	150.00	SitePro1 VFA14-H10-2120	3	44.658	49.124	0.75	0.75	32.40	2419.20	0.000	0.000	1591.61	0.00	0.00
15	150.00	Ericsson RRUS 4449	3	44.658	49.124	0.60	0.90	3.56	255.60	0.000	0.000	175.06	0.00	0.00
16	150.00	Raycap	1	44.658	49.124	0.90	0.90	1.03	31.44	0.000	0.000	50.40	0.00	0.00
17	150.00	Raycap DC6-48-60-18-8F	2	44.658	49.124	0.90	0.90	1.66	76.32	0.000	0.000	81.35	0.00	0.00
18	150.00	CSS DBC-750	3	44.658	49.124	0.60	0.90	0.92	17.28	0.000	0.000	45.32	0.00	0.00
19	150.00	Commscope	3	44.658	49.124	0.60	0.90	0.09	3.96	0.000	0.000	4.44	0.00	0.00
20	140.00	Andrew SBNHH-1D65B	6	44.014	48.416	0.62	0.75	30.48	288.00	0.000	0.000	1475.59	0.00	0.00
21	140.00	CBRS RRH - RT4401-	3	44.014	48.416	0.38	0.75	1.11	67.10	0.000	0.000	53.92	0.00	0.00
22	140.00	Samsung MT6407-77A	3	44.014	48.416	0.52	0.75	7.40	313.56	0.000	0.000	358.40	0.00	0.00
23	140.00	Antel BXA-70080/4CF	3	44.014	48.416	0.66	0.75	7.05	43.20	0.000	0.000	341.27	0.00	0.00
24	140.00	B5/B13 RRHBR04C	3	44.014	48.416	0.38	0.75	2.11	263.88	0.000	0.000	102.40	0.00	0.00
25	140.00	XXDMMM-12.5-65-8T-CB	3	44.014	48.416	0.38	0.75	1.00	83.16	0.000	0.000	48.48	0.00	0.00
26	140.00	B2/B66A RRHBR049	3	44.014	48.416	0.38	0.75	2.11	303.84	0.000	0.000	102.40	0.00	0.00
27	140.00	RVZDC-6627-PF48	2	44.014	48.416	0.94	1.00	7.63	76.80	0.000	0.000	369.55	0.00	0.00
28	140.00	Platform w/ HRK Handrail	1	44.014	48.416	0.67	0.67	17.80	2050.92	0.000	0.000	861.56	0.00	0.00
29	140.00	BSF0020F3V1-1	2	44.014	48.416	0.62	0.75	1.20	42.24	0.000	0.000	57.87	0.00	0.00
30	131.00	APXVAALL24-43-U-NA20	3	43.403	47.743	0.52	0.75	31.88	442.08	0.000	0.000	1521.95	0.00	0.00
31	131.00	AIR6449 B41	3	43.403	47.743	0.53	0.75	9.03	370.80	0.000	0.000	430.92	0.00	0.00
32	131.00	AIR32	3	43.403	47.743	0.65	0.75	12.74	475.92	0.000	0.000	608.40	0.00	0.00
33	131.00	KRY 112 144-1 Double	3	43.403	47.743	0.38	0.75	0.46	39.60	0.000	0.000	22.02	0.00	0.00
34	131.00	ATMAA1412D-1A20 TMA	3	43.403	47.743	0.38	0.75	1.32	46.80	0.000	0.000	62.84	0.00	0.00
35	131.00	SDX1926Q-43 Diplexer	3	43.403	47.743	0.38	0.75	0.33	21.60	0.000	0.000	15.58	0.00	0.00
36	131.00	Radio 4449 B71+B85	3	43.403	47.743	0.38	0.75	2.22	263.52	0.000	0.000	105.81	0.00	0.00
37	131.00	Ericsson 4415 B25	3	43.403	47.743	0.38	0.75	1.84	165.60	0.000	0.000	88.09	0.00	0.00
38	131.00	Bias-T 782 11056	3	43.403	47.743	0.38	0.75	0.15	5.40	0.000	0.000	6.98	0.00	0.00
39	131.00	Sitepro1 RMQP-4096-HK	1	43.403	47.743	0.67	0.67	23.14	2334.00	0.000	0.000	1104.86	0.00	0.00
40	131.00	Mount Pipes	12	43.403	47.743	0.75	0.75	12.87	551.81	0.000	0.000	614.45	0.00	0.00
41	123.00	APXVSP18-C-A20	2	42.831	47.114	0.62	0.75	9.98	136.80	0.000	0.000	470.43	0.00	0.00
42	123.00	APXVTM14-C-I20	3	42.831	47.114	0.59	0.75	11.27	198.00	0.000	0.000	530.94	0.00	0.00
43	123.00	ALU - TD-RRH8x20-25 -	3	42.831	47.114	0.38	0.75	4.56	252.00	0.000	0.000	214.66	0.00	0.00
44	123.00	Platform w/ HRK Handrail	1	42.831	47.114	0.67	0.67	17.80	2050.92	0.000	0.000	838.40	0.00	0.00
45	123.00	RFS - ACU-A20-N - RET	4	42.831	47.114	0.38	0.75	0.21	4.80	0.000	0.000	9.89	0.00	0.00
46	123.00	ALU - 1900 MHz RRH -	3	42.831	47.114	0.38	0.75	3.05	216.00	0.000	0.000	143.64	0.00	0.00
47	123.00	APXVSP18-C-A20 (50	1	42.831	47.114	0.75	0.75	6.01	60.00	0.000	0.000	283.39	0.00	0.00

## Discrete Appurtenance Forces

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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> 11



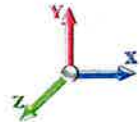
48	123.00	ALU - 800 MHz Filter	3	42.831	47.114	0.50	0.75	1.18	31.68	0.000	0.000	55.40	0.00	0.00
49	123.00	ALU - 800 MHz RRH -	3	42.831	47.114	0.38	0.75	2.80	190.80	0.000	0.000	131.98	0.00	0.00
50	110.00	MC-PK8-DSH	1	41.835	46.019	0.67	0.67	22.93	2083.20	0.000	0.000	1055.40	0.00	0.00
51	110.00	Fujitsu TA08025-B605	3	41.835	46.019	0.38	0.75	2.21	270.00	0.000	0.000	101.47	0.00	0.00
52	110.00	JMA Wireless	3	41.835	46.019	0.55	0.75	20.80	232.20	0.000	0.000	957.00	0.00	0.00
53	110.00	Raycap	1	41.835	46.019	0.75	0.75	1.51	26.28	0.000	0.000	69.37	0.00	0.00
54	110.00	Fujitsu TA08025-B604	3	41.835	46.019	0.38	0.75	2.21	230.04	0.000	0.000	101.47	0.00	0.00
<b>Totals:</b>									<b>20,018.64</b>			<b>20,447.55</b>		



## Total Applied Force Summary

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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: 12



<b>Load Case:</b> 1.2D + 1.0W 116 mph Wind		<b>Iterations</b> 22
<b>Dead Load Factor</b> 1.20		
<b>Wind Load Factor</b> 1.00		

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
1.00		114.86	297.65	0.00	0.00
5.00		455.13	1181.24	0.00	0.00
10.00		559.17	1455.47	0.00	0.00
15.00		548.35	1432.05	0.00	0.00
18.00		336.04	847.98	0.00	0.00
20.00		226.76	560.64	0.00	0.00
25.00		585.73	1385.20	0.00	0.00
30.00		596.15	1361.77	0.00	0.00
35.00		602.89	1338.35	0.00	0.00
40.00		606.79	1314.93	0.00	0.00
41.50		180.84	389.91	0.00	0.00
45.00		429.61	1635.96	0.00	0.00
48.00		367.89	1383.98	0.00	0.00
50.00		244.59	509.48	0.00	0.00
55.00		613.92	1257.31	0.00	0.00
60.00		610.80	1233.89	0.00	0.00
65.00		606.46	1210.46	0.00	0.00
70.00		601.05	1187.04	0.00	0.00
75.00		594.67	1163.62	0.00	0.00
80.00		587.43	1140.19	0.00	0.00
84.08		473.27	913.78	0.00	0.00
85.00		106.29	330.15	0.00	0.00
89.50		519.82	1600.20	0.00	0.00
90.00		57.04	92.57	0.00	0.00
95.00		568.14	915.36	0.00	0.00
100.00		558.20	896.62	0.00	0.00
105.00		547.68	877.88	0.00	0.00
110.00	(11) attachments	2821.34	3700.86	0.00	0.00
115.00		525.08	834.40	0.00	0.00
120.00		513.06	815.66	0.00	0.00
123.00	(23) attachments	2980.09	3621.40	0.00	0.00
125.00		198.21	307.36	0.00	0.00
127.92		285.60	442.86	0.00	0.00
130.00		203.45	479.38	0.00	0.00
131.00	(40) attachments	4678.67	4945.21	0.00	0.00
132.08		104.23	233.20	0.00	0.00
135.00		277.92	322.71	0.00	0.00
140.00	(29) attachments	4237.83	4074.80	0.00	0.00
145.00		452.43	439.00	0.00	0.00
150.00	(60) attachments	7568.89	6211.04	0.00	-580.99
	<b>Totals:</b>	<b>37,146.34</b>	<b>54,341.59</b>	<b>0.00</b>	<b>-580.99</b>

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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

**Load Case:** 1.2D + 1.0W 116 mph Wind

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



**Iterations** 22

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
1.00	1.60" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.046	0.000	27.539	0.00	1.20
1.00	1.25" Reinforcing	Yes	1.00	0.000	1.25	0.10	0.00	0.046	0.000	27.539	0.00	0.00
5.00	1.60" Hybrid	Yes	4.00	0.000	1.60	0.53	0.00	0.046	0.000	27.539	0.00	4.80
5.00	1.25" Reinforcing	Yes	4.00	0.000	1.25	0.42	0.00	0.046	0.000	27.539	0.00	0.00
10.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.047	0.000	27.539	0.00	6.00
10.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	0.52	0.00	0.047	0.000	27.539	0.00	0.00
15.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.048	0.000	27.539	0.00	6.00
15.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	0.52	0.00	0.048	0.000	27.539	0.00	0.00
18.00	1.60" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.049	0.000	28.579	0.00	3.60
18.00	1.25" Reinforcing	Yes	3.00	0.000	1.25	0.31	0.00	0.049	0.000	28.579	0.00	0.00
20.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.049	0.000	29.220	0.00	2.40
20.00	1.25" Reinforcing	Yes	2.00	0.000	1.25	0.21	0.00	0.049	0.000	29.220	0.00	0.00
25.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.028	0.000	30.625	0.00	6.00
30.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	31.824	0.00	6.00
35.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	32.873	0.00	6.00
40.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.030	0.000	33.810	0.00	6.00
41.50	1.60" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.030	0.000	34.074	0.00	1.80
45.00	1.60" Hybrid	Yes	3.50	0.000	1.60	0.47	0.00	0.031	0.000	34.659	0.00	4.20
48.00	1.60" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.031	0.000	35.133	0.00	3.60
50.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.031	0.000	35.437	0.00	2.40
55.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	36.155	0.00	6.00
60.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	36.823	0.00	6.00
65.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.033	0.000	37.449	0.00	6.00
70.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.034	0.000	38.038	0.00	6.00
75.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.035	0.000	38.594	0.00	6.00
80.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.036	0.000	39.122	0.00	6.00
84.08	1.60" Hybrid	Yes	4.08	0.000	1.60	0.54	0.00	0.037	0.000	39.535	0.00	4.90
85.00	1.60" Hybrid	Yes	0.92	0.000	1.60	0.12	0.00	0.037	0.000	39.625	0.00	1.10
89.50	1.60" Hybrid	Yes	4.50	0.000	1.60	0.60	0.00	0.038	0.000	40.058	0.00	5.40
90.00	1.60" Hybrid	Yes	0.50	0.000	1.60	0.07	0.00	0.038	0.000	40.105	0.00	0.60
95.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.038	0.000	40.564	0.00	6.00
100.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.039	0.000	41.004	0.00	6.00
105.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.040	0.000	41.428	0.00	6.00
110.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.042	0.000	41.835	0.00	6.00
<b>Totals:</b>											<b>0.0</b>	<b>132.0</b>

## Calculated Forces

**Structure:** CT10022-A  
**Site Name:** Simsbury 2, CT  
**Height:** 150.00 (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

7/13/2023

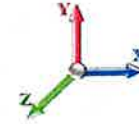
Page: 14



**Load Case:** 1.2D + 1.0W 116 mph Wind

**Dead Load Factor** 1.20

**Wind Load Factor** 1.00



**Iterations** 22

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-54.33	-37.16	0.00	-4202.8	0.00	4202.82	3399.80	1065.08	5407.03	4291.98	0.00	0.000	0.000	0.810
1.00	-53.98	-37.12	0.00	-4165.6	0.00	4165.66	3395.30	1061.05	5366.22	4270.01	0.00	-0.034	0.000	0.764
5.00	-52.71	-36.80	0.00	-4017.1	0.00	4017.17	3376.67	1044.94	5204.52	4181.78	0.09	-0.160	0.000	0.749
10.00	-51.15	-36.37	0.00	-3833.1	0.00	3833.18	3351.95	1024.81	5005.88	4070.76	0.34	-0.318	0.000	0.731
15.00	-49.65	-35.93	0.00	-3651.3	0.00	3651.32	3325.64	1004.67	4811.11	3959.04	0.76	-0.477	0.000	0.712
18.00	-48.75	-35.65	0.00	-3543.5	0.00	3543.54	3309.09	992.59	4696.10	3891.71	1.09	-0.574	0.000	0.701
18.00	-48.75	-35.65	0.00	-3543.5	0.00	3543.54	3309.09	992.59	4696.10	3891.71	1.09	-0.574	0.000	0.701
20.00	-48.11	-35.54	0.00	-3472.2	0.00	3472.24	3297.75	984.54	4620.20	3846.73	1.34	-0.639	0.000	0.919
25.00	-46.60	-35.11	0.00	-3294.5	0.00	3294.57	3268.27	964.40	4433.15	3733.95	2.13	-0.851	0.000	0.898
30.00	-45.12	-34.66	0.00	-3119.0	0.00	3119.04	3237.21	944.27	4249.97	3620.81	3.13	-1.065	0.000	0.877
35.00	-43.66	-34.19	0.00	-2945.7	0.00	2945.77	3204.56	924.13	4070.66	3507.42	4.37	-1.281	0.000	0.855
40.00	-42.28	-33.66	0.00	-2774.8	0.00	2774.81	3170.32	904.00	3895.21	3393.91	5.82	-1.498	0.000	0.832
41.50	-41.83	-33.55	0.00	-2724.3	0.00	2724.33	3159.75	897.96	3843.32	3359.85	6.31	-1.564	0.000	0.825
45.00	-40.12	-33.17	0.00	-2606.9	0.00	2606.92	3134.51	883.86	3723.62	3280.38	7.51	-1.719	0.000	0.809
48.00	-38.69	-32.84	0.00	-2507.4	0.00	2507.41	3132.32	882.66	3713.50	3273.60	8.64	-1.852	0.000	0.780
50.00	-38.10	-32.67	0.00	-2441.7	0.00	2441.74	3117.51	874.61	3646.04	3228.22	9.43	-1.941	0.000	0.770
55.00	-36.75	-32.15	0.00	-2278.3	0.00	2278.37	3079.38	854.47	3480.10	3114.86	11.58	-2.152	0.000	0.745
60.00	-35.42	-31.62	0.00	-2117.6	0.00	2117.62	3039.66	834.34	3318.02	3001.78	13.95	-2.363	0.000	0.719
65.00	-34.13	-31.09	0.00	-1959.5	0.00	1959.51	2998.35	814.20	3159.80	2889.07	16.53	-2.574	0.000	0.691
70.00	-32.86	-30.55	0.00	-1804.0	0.00	1804.06	2955.47	794.07	3005.45	2776.85	19.34	-2.782	0.000	0.662
75.00	-31.62	-30.01	0.00	-1651.3	0.00	1651.30	2910.99	773.93	2854.97	2665.24	22.37	-2.989	0.000	0.632
80.00	-30.42	-29.46	0.00	-1501.2	0.00	1501.23	2864.93	753.80	2708.35	2554.35	25.61	-3.192	0.000	0.600
84.08	-29.48	-28.99	0.00	-1380.9	0.00	1380.92	2826.14	737.35	2591.47	2464.40	28.41	-3.357	0.000	0.572
85.00	-29.11	-28.92	0.00	-1354.3	0.00	1354.34	2817.29	733.66	2565.59	2444.29	29.06	-3.394	0.000	0.566
89.50	-27.49	-28.35	0.00	-1224.2	0.00	1224.21	2031.97	580.27	2006.13	1745.38	32.34	-3.570	0.000	0.717
90.00	-27.34	-28.35	0.00	-1210.0	0.00	1210.03	2029.17	578.65	1995.01	1738.11	32.71	-3.590	0.000	0.712
95.00	-26.36	-27.82	0.00	-1068.3	0.00	1068.30	2000.37	562.55	1885.48	1665.46	36.60	-3.815	0.000	0.657
100.00	-25.40	-27.30	0.00	-929.19	0.00	929.19	1969.98	546.44	1779.05	1592.91	40.71	-4.030	0.000	0.599
105.00	-24.48	-26.77	0.00	-792.70	0.00	792.70	1938.01	530.33	1675.71	1520.56	45.04	-4.233	0.000	0.536
110.00	-20.93	-23.74	0.00	-658.85	0.00	658.85	1904.45	514.22	1575.46	1448.55	49.57	-4.419	0.000	0.468
115.00	-20.07	-23.21	0.00	-540.14	0.00	540.14	1869.30	498.11	1478.31	1376.98	54.29	-4.588	0.000	0.405
120.00	-19.25	-22.67	0.00	-424.09	0.00	424.09	1832.57	482.01	1384.24	1305.97	59.17	-4.737	0.000	0.337
123.00	-15.87	-19.42	0.00	-356.08	0.00	356.08	1809.77	472.34	1329.29	1263.68	62.17	-4.818	0.000	0.292
125.00	-15.56	-19.21	0.00	-317.25	0.00	317.25	1794.25	465.90	1293.27	1235.63	64.20	-4.867	0.000	0.267
127.92	-15.13	-18.90	0.00	-261.22	0.00	261.22	1771.17	456.50	1241.63	1194.95	67.19	-4.930	0.000	0.229
130.00	-14.66	-18.66	0.00	-221.85	0.00	221.85	1754.35	449.79	1205.39	1166.07	69.35	-4.971	0.000	0.200
131.00	-10.14	-13.58	0.00	-203.18	0.00	203.18	1746.18	446.57	1188.18	1152.26	70.39	-4.989	0.000	0.183
132.08	-9.91	-13.46	0.00	-188.48	0.00	188.48	1160.51	336.88	901.55	771.77	71.52	-5.007	0.000	0.254
135.00	-9.59	-13.16	0.00	-149.23	0.00	149.23	1148.85	329.83	864.23	747.94	74.59	-5.051	0.000	0.209
140.00	-5.90	-8.59	0.00	-83.42	0.00	83.42	1127.62	317.75	802.08	707.07	79.92	-5.120	0.000	0.124
145.00	-5.50	-8.10	0.00	-40.49	0.00	40.49	1104.80	305.67	742.25	666.26	85.30	-5.162	0.000	0.066
150.00	0.00	-7.57	0.00	0.00	0.00	0.00	1080.40	293.59	684.73	625.63	90.71	-5.177	0.000	0.001

## Wind Loading - Shaft

**Structure:** CT10022-A  
**Site Name:** Simsbury 2, CT  
**Height:** 150.00 (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

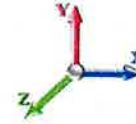
7/13/2023

Page: 15



**Load Case:** 0.9D + 1.0W 116 mph Wind

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



**Iterations** 22

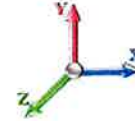
Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.85	27.539	30.29	553.77	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00	RT1 RB2	1.00	0.85	27.539	30.29	551.69	0.730	0.000	1.00	5.194	3.79	114.9	0.0	185.5
5.00		1.00	0.85	27.539	30.29	543.36	0.730	0.000	4.00	20.581	15.02	455.1	0.0	735.0
10.00		1.00	0.85	27.539	30.29	532.94	0.730	0.000	5.00	25.286	18.46	559.2	0.0	902.9
15.00		1.00	0.85	27.539	30.29	522.53	0.730	0.000	5.00	24.797	18.10	548.3	0.0	885.4
18.00	RT2	1.00	0.88	28.579	31.44	525.94	0.730	0.000	3.00	14.643	10.69	336.0	0.0	522.8
20.00		1.00	0.90	29.220	32.14	527.51	0.730	0.000	2.00	9.664	7.05	226.8	0.0	345.0
25.00		1.00	0.95	30.625	33.69	529.06	0.730	0.000	5.00	23.818	17.39	585.7	0.0	850.2
30.00		1.00	0.98	31.824	35.01	528.12	0.730	0.000	5.00	23.329	17.03	596.1	0.0	832.7
35.00		1.00	1.01	32.873	36.16	525.38	0.730	0.000	5.00	22.839	16.67	602.9	0.0	815.1
40.00		1.00	1.04	33.810	37.19	521.27	0.730	0.000	5.00	22.350	16.32	606.8	0.0	797.5
41.50	Bot - Section 2	1.00	1.05	34.074	37.48	519.82	0.730	0.000	1.50	6.609	4.82	180.8	0.0	235.8
45.00		1.00	1.07	34.659	38.13	516.09	0.730	0.000	3.50	15.436	11.27	429.6	0.0	1094.9
48.00	Top - Section 1	1.00	1.08	35.133	38.65	512.55	0.730	0.000	3.00	13.040	9.52	367.9	0.0	924.8
50.00		1.00	1.09	35.437	38.98	516.42	0.730	0.000	2.00	8.595	6.27	244.6	0.0	306.6
55.00		1.00	1.12	36.155	39.77	509.69	0.730	0.000	5.00	21.146	15.44	613.9	0.0	754.3
60.00		1.00	1.14	36.823	40.51	502.33	0.730	0.000	5.00	20.657	15.08	610.8	0.0	736.7
65.00		1.00	1.16	37.449	41.19	494.44	0.730	0.000	5.00	20.167	14.72	606.5	0.0	719.2
70.00		1.00	1.17	38.038	41.84	486.07	0.730	0.000	5.00	19.678	14.36	601.0	0.0	701.6
75.00		1.00	1.19	38.594	42.45	477.28	0.730	0.000	5.00	19.188	14.01	594.7	0.0	684.0
80.00		1.00	1.21	39.122	43.03	468.12	0.730	0.000	5.00	18.699	13.65	587.4	0.0	666.5
84.08	Bot - Section 3	1.00	1.22	39.535	43.49	460.39	0.730	0.000	4.08	14.908	10.88	473.3	0.0	531.3
85.00		1.00	1.22	39.625	43.59	458.62	0.730	0.000	0.92	3.341	2.44	106.3	0.0	213.0
89.50	Top - Section 2	1.00	1.24	40.058	44.06	449.81	0.730	0.000	4.50	16.161	11.80	519.8	0.0	1030.3
90.00		1.00	1.24	40.105	44.12	454.25	0.730	0.000	0.50	1.771	1.29	57.0	0.0	50.6
95.00		1.00	1.25	40.564	44.62	444.21	0.730	0.000	5.00	17.442	12.73	568.1	0.0	497.9
100.00		1.00	1.27	41.004	45.10	433.90	0.730	0.000	5.00	16.953	12.38	558.2	0.0	483.8
105.00		1.00	1.28	41.428	45.57	423.36	0.730	0.000	5.00	16.463	12.02	547.7	0.0	469.7
110.00	Appurtenance(s)	1.00	1.29	41.835	46.02	412.60	0.730	0.000	5.00	15.974	11.66	536.6	0.0	455.7
115.00		1.00	1.30	42.229	46.45	401.64	0.730	0.000	5.00	15.485	11.30	525.1	0.0	441.6
120.00		1.00	1.32	42.609	46.87	390.48	0.730	0.000	5.00	14.995	10.95	513.1	0.0	427.6
123.00	Appurtenance(s)	1.00	1.32	42.831	47.11	383.71	0.730	0.000	3.00	8.762	6.40	301.4	0.0	249.8
125.00		1.00	1.33	42.976	47.27	379.15	0.730	0.000	2.00	5.744	4.19	198.2	0.0	163.7
127.92	Bot - Section 4	1.00	1.33	43.186	47.50	372.47	0.730	0.000	2.92	8.236	6.01	285.6	0.0	234.7
130.00		1.00	1.34	43.333	47.67	367.66	0.730	0.000	2.08	5.847	4.27	203.4	0.0	290.0
131.00	Appurtenance(s)	1.00	1.34	43.403	47.74	365.34	0.730	0.000	1.00	2.776	2.03	96.8	0.0	137.7
132.08	Top - Section 3	1.00	1.34	43.478	47.83	362.82	0.730	0.000	1.08	2.986	2.18	104.2	0.0	148.0
135.00		1.00	1.35	43.678	48.05	360.26	0.730	0.000	2.92	7.924	5.78	277.9	0.0	169.7
140.00	Appurtenance(s)	1.00	1.36	44.014	48.42	348.47	0.730	0.000	5.00	13.196	9.63	466.4	0.0	282.5
145.00		1.00	1.37	44.340	48.77	336.54	0.730	0.000	5.00	12.707	9.28	452.4	0.0	272.0
150.00	Appurtenance(s)	1.00	1.38	44.658	49.12	324.48	0.730	0.000	5.00	12.217	8.92	438.1	0.0	261.4
<b>Totals:</b>									<b>150.00</b>			<b>16,698.8</b>		<b>20,507.6</b>

## Discrete Appurtenance Forces

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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: 16



<b>Load Case:</b> 0.9D + 1.0W 116 mph Wind	<b>Iterations</b> 22
<b>Dead Load Factor</b> 0.90	
<b>Wind Load Factor</b> 1.00	



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	150.00	Ericsson RRUS 4478 B14	3	44.658	49.124	0.60	0.90	2.98	160.38	0.000	0.000	146.63	0.00	0.00
2	150.00	Cci TPA65R-BU6DA-K	1	44.658	49.124	0.65	0.90	8.34	60.75	0.000	0.000	409.68	0.00	0.00
3	150.00	Cci OPA65R-BU6DA	1	44.658	49.124	0.66	0.90	8.35	56.97	0.000	0.000	410.21	0.00	0.00
4	150.00	Cci TPA65R-BU8DA-K	2	44.658	49.124	0.65	0.90	23.16	148.50	0.000	0.000	1137.69	0.00	0.00
5	150.00	Cci OPA65R-BU8DA	2	44.658	49.124	0.80	0.90	17.94	124.20	0.000	0.000	881.40	0.00	0.00
6	150.00	Ericsson AIR6449 B77D	3	44.579	49.037	0.77	0.90	9.48	237.60	0.000	-1.250	464.79	0.00	-580.99
7	150.00	Cci DTMAPB7819VG12A	6	44.658	49.124	0.60	0.90	4.12	103.68	0.000	0.000	202.61	0.00	0.00
8	150.00	CCI TPX-070821	6	44.658	49.124	0.60	0.90	2.21	51.30	0.000	0.000	108.42	0.00	0.00
9	150.00	Ericsson RRUS32	3	44.658	49.124	0.60	0.90	2.98	207.90	0.000	0.000	146.63	0.00	0.00
10	150.00	Mount Pipes	12	44.658	49.124	0.90	0.90	18.90	413.86	0.000	0.000	928.44	0.00	0.00
11	150.00	LMU Antenna unknown	1	44.658	49.124	0.60	0.90	0.08	1.35	0.000	0.000	3.85	0.00	0.00
12	150.00	Ericsson RRUS 8843 B2	3	44.658	49.124	0.60	0.90	2.97	194.40	0.000	0.000	145.74	0.00	0.00
13	150.00	Ring Mount	2	44.658	49.124	1.00	1.00	4.00	475.83	0.000	0.000	196.50	0.00	0.00
14	150.00	SitePro1 VFA14-H10-2120	3	44.658	49.124	0.75	0.75	32.40	1814.40	0.000	0.000	1591.61	0.00	0.00
15	150.00	Ericsson RRUS 4449	3	44.658	49.124	0.60	0.90	3.56	191.70	0.000	0.000	175.06	0.00	0.00
16	150.00	Raycap	1	44.658	49.124	0.90	0.90	1.03	23.58	0.000	0.000	50.40	0.00	0.00
17	150.00	Raycap DC6-48-60-18-8F	2	44.658	49.124	0.90	0.90	1.66	57.24	0.000	0.000	81.35	0.00	0.00
18	150.00	CSS DBC-750	3	44.658	49.124	0.60	0.90	0.92	12.96	0.000	0.000	45.32	0.00	0.00
19	150.00	Commscope	3	44.658	49.124	0.60	0.90	0.09	2.97	0.000	0.000	4.44	0.00	0.00
20	140.00	Andrew SBNHH-1D65B	6	44.014	48.416	0.62	0.75	30.48	216.00	0.000	0.000	1475.59	0.00	0.00
21	140.00	CBRS RRH - RT4401-	3	44.014	48.416	0.38	0.75	1.11	50.33	0.000	0.000	53.92	0.00	0.00
22	140.00	Samsung MT6407-77A	3	44.014	48.416	0.52	0.75	7.40	235.17	0.000	0.000	358.40	0.00	0.00
23	140.00	Antel BXA-70080/4CF	3	44.014	48.416	0.66	0.75	7.05	32.40	0.000	0.000	341.27	0.00	0.00
24	140.00	B5/B13 RRHBR04C	3	44.014	48.416	0.38	0.75	2.11	197.91	0.000	0.000	102.40	0.00	0.00
25	140.00	XXDWM-12.5-65-8T-CB	3	44.014	48.416	0.38	0.75	1.00	62.37	0.000	0.000	48.48	0.00	0.00
26	140.00	B2/B66A RRHBR049	3	44.014	48.416	0.38	0.75	2.11	227.88	0.000	0.000	102.40	0.00	0.00
27	140.00	RVZDC-6627-PF48	2	44.014	48.416	0.94	1.00	7.63	57.60	0.000	0.000	369.55	0.00	0.00
28	140.00	Platform w/ HRK Handrail	1	44.014	48.416	0.67	0.67	17.80	1538.19	0.000	0.000	861.56	0.00	0.00
29	140.00	BSF0020F3V1-1	2	44.014	48.416	0.62	0.75	1.20	31.68	0.000	0.000	57.87	0.00	0.00
30	131.00	APXVAALL24-43-U-NA20	3	43.403	47.743	0.52	0.75	31.88	331.56	0.000	0.000	1521.95	0.00	0.00
31	131.00	AIR6449 B41	3	43.403	47.743	0.53	0.75	9.03	278.10	0.000	0.000	430.92	0.00	0.00
32	131.00	AIR32	3	43.403	47.743	0.65	0.75	12.74	356.94	0.000	0.000	608.40	0.00	0.00
33	131.00	KRY 112 144-1 Double	3	43.403	47.743	0.38	0.75	0.46	29.70	0.000	0.000	22.02	0.00	0.00
34	131.00	ATMAA1412D-1A20 TMA	3	43.403	47.743	0.38	0.75	1.32	35.10	0.000	0.000	62.84	0.00	0.00
35	131.00	SDX1926Q-43 Diplexer	3	43.403	47.743	0.38	0.75	0.33	16.20	0.000	0.000	15.58	0.00	0.00
36	131.00	Radio 4449 B71+B85	3	43.403	47.743	0.38	0.75	2.22	197.64	0.000	0.000	105.81	0.00	0.00
37	131.00	Ericsson 4415 B25	3	43.403	47.743	0.38	0.75	1.84	124.20	0.000	0.000	88.09	0.00	0.00
38	131.00	Bias-T 782 11056	3	43.403	47.743	0.38	0.75	0.15	4.05	0.000	0.000	6.98	0.00	0.00
39	131.00	Sitepro1 RMQP-4096-HK	1	43.403	47.743	0.67	0.67	23.14	1750.50	0.000	0.000	1104.86	0.00	0.00
40	131.00	Mount Pipes	12	43.403	47.743	0.75	0.75	12.87	413.86	0.000	0.000	614.45	0.00	0.00
41	123.00	APXVSP18-C-A20	2	42.831	47.114	0.62	0.75	9.98	102.60	0.000	0.000	470.43	0.00	0.00
42	123.00	APXVTM14-C-I20	3	42.831	47.114	0.59	0.75	11.27	148.50	0.000	0.000	530.94	0.00	0.00
43	123.00	ALU - TD-RRH8x20-25 -	3	42.831	47.114	0.38	0.75	4.56	189.00	0.000	0.000	214.66	0.00	0.00
44	123.00	Platform w/ HRK Handrail	1	42.831	47.114	0.67	0.67	17.80	1538.19	0.000	0.000	838.40	0.00	0.00
45	123.00	RFS - ACU-A20-N - RET	4	42.831	47.114	0.38	0.75	0.21	3.60	0.000	0.000	9.89	0.00	0.00
46	123.00	ALU - 1900 MHz RRH -	3	42.831	47.114	0.38	0.75	3.05	162.00	0.000	0.000	143.64	0.00	0.00
47	123.00	APXVSP18-C-A20 (50	1	42.831	47.114	0.75	0.75	6.01	45.00	0.000	0.000	283.39	0.00	0.00

## Discrete Appurtenance Forces

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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



48	123.00	ALU - 800 MHz Filter	3	42.831	47.114	0.50	0.75	1.18	23.76	0.000	0.000	55.40	0.00	0.00
49	123.00	ALU - 800 MHz RRH -	3	42.831	47.114	0.38	0.75	2.80	143.10	0.000	0.000	131.98	0.00	0.00
50	110.00	MC-PK8-DSH	1	41.835	46.019	0.67	0.67	22.93	1562.40	0.000	0.000	1055.40	0.00	0.00
51	110.00	Fujitsu TA08025-B605	3	41.835	46.019	0.38	0.75	2.21	202.50	0.000	0.000	101.47	0.00	0.00
52	110.00	JMA Wireless	3	41.835	46.019	0.55	0.75	20.80	174.15	0.000	0.000	957.00	0.00	0.00
53	110.00	Raycap	1	41.835	46.019	0.75	0.75	1.51	19.71	0.000	0.000	69.37	0.00	0.00
54	110.00	Fujitsu TA08025-B604	3	41.835	46.019	0.38	0.75	2.21	172.53	0.000	0.000	101.47	0.00	0.00

<b>Totals:</b>	<b>15,013.98</b>	<b>20,447.55</b>
----------------	------------------	------------------

## Total Applied Force Summary

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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: 18



**Load Case:** 0.9D + 1.0W 116 mph Wind

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



**Iterations**    22

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
1.00		114.86	223.24	0.00	0.00
5.00		455.13	885.93	0.00	0.00
10.00		559.17	1091.60	0.00	0.00
15.00		548.35	1074.03	0.00	0.00
18.00		336.04	635.99	0.00	0.00
20.00		226.76	420.48	0.00	0.00
25.00		585.73	1038.90	0.00	0.00
30.00		596.15	1021.33	0.00	0.00
35.00		602.89	1003.76	0.00	0.00
40.00		606.79	986.20	0.00	0.00
41.50		180.84	292.43	0.00	0.00
45.00		429.61	1226.97	0.00	0.00
48.00		367.89	1037.98	0.00	0.00
50.00		244.59	382.11	0.00	0.00
55.00		613.92	942.98	0.00	0.00
60.00		610.80	925.42	0.00	0.00
65.00		606.46	907.85	0.00	0.00
70.00		601.05	890.28	0.00	0.00
75.00		594.67	872.71	0.00	0.00
80.00		587.43	855.14	0.00	0.00
84.08		473.27	685.34	0.00	0.00
85.00		106.29	247.61	0.00	0.00
89.50		519.82	1200.15	0.00	0.00
90.00		57.04	69.42	0.00	0.00
95.00		568.14	686.52	0.00	0.00
100.00		558.20	672.47	0.00	0.00
105.00		547.68	658.41	0.00	0.00
110.00	(11) attachments	2821.34	2775.65	0.00	0.00
115.00		525.08	625.80	0.00	0.00
120.00		513.06	611.75	0.00	0.00
123.00	(23) attachments	2980.09	2716.05	0.00	0.00
125.00		198.21	230.52	0.00	0.00
127.92		285.60	332.15	0.00	0.00
130.00		203.45	359.54	0.00	0.00
131.00	(40) attachments	4678.67	3708.91	0.00	0.00
132.08		104.23	174.90	0.00	0.00
135.00		277.92	242.04	0.00	0.00
140.00	(29) attachments	4237.83	3056.10	0.00	0.00
145.00		452.43	329.25	0.00	0.00
150.00	(60) attachments	7568.89	4658.28	0.00	-580.99
	<b>Totals:</b>	<b>37,146.34</b>	<b>40,756.19</b>	<b>0.00</b>	<b>-580.99</b>

## Linear Appurtenance Segment Forces (Factored)

Structure: CT10022-A	Code: TIA-222-H	7/13/2023
Site Name: Simsbury 2, CT	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



Page: 19

Load Case: 0.9D + 1.0W 116 mph Wind

Dead Load Factor 0.90  
Wind Load Factor 1.00



Iterations 22

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
1.00	1.60" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.046	0.000	27.539	0.00	0.90
1.00	1.25" Reinforcing	Yes	1.00	0.000	1.25	0.10	0.00	0.046	0.000	27.539	0.00	0.00
5.00	1.60" Hybrid	Yes	4.00	0.000	1.60	0.53	0.00	0.046	0.000	27.539	0.00	3.60
5.00	1.25" Reinforcing	Yes	4.00	0.000	1.25	0.42	0.00	0.046	0.000	27.539	0.00	0.00
10.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.047	0.000	27.539	0.00	4.50
10.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	0.52	0.00	0.047	0.000	27.539	0.00	0.00
15.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.048	0.000	27.539	0.00	4.50
15.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	0.52	0.00	0.048	0.000	27.539	0.00	0.00
18.00	1.60" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.049	0.000	28.579	0.00	2.70
18.00	1.25" Reinforcing	Yes	3.00	0.000	1.25	0.31	0.00	0.049	0.000	28.579	0.00	0.00
20.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.049	0.000	29.220	0.00	1.80
20.00	1.25" Reinforcing	Yes	2.00	0.000	1.25	0.21	0.00	0.049	0.000	29.220	0.00	0.00
25.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.028	0.000	30.625	0.00	4.50
30.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	31.824	0.00	4.50
35.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	32.873	0.00	4.50
40.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.030	0.000	33.810	0.00	4.50
41.50	1.60" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.030	0.000	34.074	0.00	1.35
45.00	1.60" Hybrid	Yes	3.50	0.000	1.60	0.47	0.00	0.031	0.000	34.659	0.00	3.15
48.00	1.60" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.031	0.000	35.133	0.00	2.70
50.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.031	0.000	35.437	0.00	1.80
55.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	36.155	0.00	4.50
60.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	36.823	0.00	4.50
65.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.033	0.000	37.449	0.00	4.50
70.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.034	0.000	38.038	0.00	4.50
75.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.035	0.000	38.594	0.00	4.50
80.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.036	0.000	39.122	0.00	4.50
84.08	1.60" Hybrid	Yes	4.08	0.000	1.60	0.54	0.00	0.037	0.000	39.535	0.00	3.67
85.00	1.60" Hybrid	Yes	0.92	0.000	1.60	0.12	0.00	0.037	0.000	39.625	0.00	0.83
89.50	1.60" Hybrid	Yes	4.50	0.000	1.60	0.60	0.00	0.038	0.000	40.058	0.00	4.05
90.00	1.60" Hybrid	Yes	0.50	0.000	1.60	0.07	0.00	0.038	0.000	40.105	0.00	0.45
95.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.038	0.000	40.564	0.00	4.50
100.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.039	0.000	41.004	0.00	4.50
105.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.040	0.000	41.428	0.00	4.50
110.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.042	0.000	41.835	0.00	4.50
<b>Totals:</b>											<b>0.0</b>	<b>99.0</b>



**Calculated Forces**

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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:** 0.9D + 1.0W 116 mph Wind

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



**Iterations**    22

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-40.74	-37.16	0.00	-4153.1	0.00	4153.18	3399.80	1065.08	5407.03	4291.98	0.00	0.000	0.000	0.797
1.00	-40.47	-37.10	0.00	-4116.0	0.00	4116.02	3395.30	1061.05	5366.22	4270.01	0.00	-0.033	0.000	0.752
5.00	-39.49	-36.74	0.00	-3967.6	0.00	3967.63	3376.67	1044.94	5204.52	4181.78	0.09	-0.158	0.000	0.737
10.00	-38.31	-36.28	0.00	-3783.9	0.00	3783.93	3351.95	1024.81	5005.88	4070.76	0.34	-0.314	0.000	0.719
15.00	-37.16	-35.81	0.00	-3602.5	0.00	3602.53	3325.64	1004.67	4811.11	3959.04	0.75	-0.471	0.000	0.700
18.00	-36.48	-35.52	0.00	-3495.1	0.00	3495.11	3309.09	992.59	4696.10	3891.71	1.08	-0.566	0.000	0.689
18.00	-36.48	-35.52	0.00	-3495.1	0.00	3495.11	3309.09	992.59	4696.10	3891.71	1.08	-0.566	0.000	0.689
20.00	-35.97	-35.37	0.00	-3424.0	0.00	3424.08	3297.75	984.54	4620.20	3846.73	1.33	-0.630	0.000	0.902
25.00	-34.81	-34.90	0.00	-3247.2	0.00	3247.23	3268.27	964.40	4433.15	3733.95	2.10	-0.840	0.000	0.882
30.00	-33.67	-34.41	0.00	-3072.7	0.00	3072.73	3237.21	944.27	4249.97	3620.81	3.09	-1.051	0.000	0.860
35.00	-32.56	-33.91	0.00	-2900.6	0.00	2900.67	3204.56	924.13	4070.66	3507.42	4.31	-1.263	0.000	0.839
40.00	-31.51	-33.36	0.00	-2731.1	0.00	2731.13	3170.32	904.00	3895.21	3393.91	5.75	-1.477	0.000	0.816
41.50	-31.15	-33.23	0.00	-2681.0	0.00	2681.09	3159.75	897.96	3843.32	3359.85	6.22	-1.542	0.000	0.809
45.00	-29.86	-32.84	0.00	-2564.8	0.00	2564.80	3134.51	883.86	3723.62	3280.38	7.41	-1.694	0.000	0.793
45.00	-29.86	-32.84	0.00	-2564.8	0.00	2564.80	3134.51	883.86	3723.62	3280.38	7.41	-1.694	0.000	0.793
48.00	-28.77	-32.49	0.00	-2466.2	0.00	2466.29	3132.32	882.66	3713.50	3273.60	8.52	-1.825	0.000	0.764
50.00	-28.31	-32.31	0.00	-2401.3	0.00	2401.31	3117.51	874.61	3646.04	3228.22	9.30	-1.913	0.000	0.754
55.00	-27.28	-31.76	0.00	-2239.7	0.00	2239.77	3079.38	854.47	3480.10	3114.86	11.42	-2.121	0.000	0.729
60.00	-26.26	-31.21	0.00	-2080.9	0.00	2080.96	3039.66	834.34	3318.02	3001.78	13.75	-2.328	0.000	0.703
65.00	-25.27	-30.66	0.00	-1924.9	0.00	1924.92	2998.35	814.20	3159.80	2889.07	16.30	-2.535	0.000	0.676
70.00	-24.30	-30.10	0.00	-1771.6	0.00	1771.64	2955.47	794.07	3005.45	2776.85	19.07	-2.740	0.000	0.648
75.00	-23.36	-29.55	0.00	-1621.1	0.00	1621.13	2910.99	773.93	2854.97	2665.24	22.04	-2.942	0.000	0.618
80.00	-22.44	-28.99	0.00	-1473.4	0.00	1473.40	2864.93	753.80	2708.35	2554.35	25.23	-3.142	0.000	0.586
84.08	-21.74	-28.51	0.00	-1355.0	0.00	1355.04	2826.14	737.35	2591.47	2464.40	27.99	-3.304	0.000	0.559
85.00	-21.44	-28.43	0.00	-1328.9	0.00	1328.91	2817.29	733.66	2565.59	2444.29	28.63	-3.340	0.000	0.553
89.50	-20.23	-27.87	0.00	-1200.9	0.00	1200.97	2031.97	580.27	2006.13	1745.38	31.86	-3.513	0.000	0.700
90.00	-20.11	-27.86	0.00	-1187.0	0.00	1187.04	2029.17	578.65	1995.01	1738.11	32.23	-3.533	0.000	0.695
95.00	-19.35	-27.32	0.00	-1047.7	0.00	1047.76	2000.37	562.55	1885.48	1665.46	36.05	-3.754	0.000	0.641
100.00	-18.63	-26.78	0.00	-911.17	0.00	911.17	1969.98	546.44	1779.05	1592.91	40.09	-3.964	0.000	0.584
105.00	-17.92	-26.25	0.00	-777.26	0.00	777.26	1938.01	530.33	1675.71	1520.56	44.35	-4.163	0.000	0.523
110.00	-15.29	-23.28	0.00	-646.01	0.00	646.01	1904.45	514.22	1575.46	1448.55	48.81	-4.345	0.000	0.456
115.00	-14.65	-22.74	0.00	-529.63	0.00	529.63	1869.30	498.11	1478.31	1376.98	53.44	-4.511	0.000	0.395
120.00	-14.03	-22.21	0.00	-415.91	0.00	415.91	1832.57	482.01	1384.24	1305.97	58.25	-4.658	0.000	0.328
123.00	-11.55	-19.03	0.00	-349.27	0.00	349.27	1809.77	472.34	1329.29	1263.68	61.20	-4.736	0.000	0.284
125.00	-11.32	-18.83	0.00	-311.21	0.00	311.21	1794.25	465.90	1293.27	1235.63	63.19	-4.784	0.000	0.260
127.92	-11.00	-18.52	0.00	-256.30	0.00	256.30	1771.17	456.50	1241.63	1194.95	66.13	-4.847	0.000	0.222
130.00	-10.65	-18.30	0.00	-217.71	0.00	217.71	1754.35	449.79	1205.39	1166.07	68.25	-4.887	0.000	0.194
131.00	-7.35	-13.32	0.00	-199.42	0.00	199.42	1746.18	446.57	1188.18	1152.26	69.28	-4.904	0.000	0.178
132.08	-7.17	-13.20	0.00	-184.99	0.00	184.99	1160.51	336.88	901.55	771.77	70.39	-4.922	0.000	0.247
135.00	-6.94	-12.91	0.00	-146.48	0.00	146.48	1148.85	329.83	864.23	747.94	73.41	-4.965	0.000	0.203
140.00	-4.26	-8.43	0.00	-81.91	0.00	81.91	1127.62	317.75	802.08	707.07	78.64	-5.033	0.000	0.120
145.00	-3.97	-7.95	0.00	-39.76	0.00	39.76	1104.80	305.67	742.25	666.26	83.93	-5.074	0.000	0.064
150.00	0.00	-7.57	0.00	0.00	0.00	0.00	1080.40	293.59	684.73	625.63	89.25	-5.089	0.000	0.001

## Wind Loading - Shaft

**Structure:** CT10022-A  
**Site Name:** Simsbury 2, CT  
**Height:** 150.00 (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

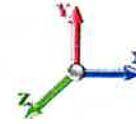
7/13/2023

Page: 21



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

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



**Iterations** 21

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	RB1	1.00	0.85	5.116	5.63	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00	RT1 RB2	1.00	0.85	5.116	5.63	0.00	1.200	1.057	1.00	5.371	6.44	36.3	82.6	329.9
5.00		1.00	0.85	5.116	5.63	0.00	1.200	1.242	4.00	21.409	25.69	144.6	383.4	1363.4
10.00		1.00	0.85	5.116	5.63	0.00	1.200	1.331	5.00	26.396	31.67	178.3	504.7	1708.6
15.00		1.00	0.85	5.116	5.63	0.00	1.200	1.386	5.00	25.952	31.14	175.3	516.0	1696.5
18.00	RT2	1.00	0.88	5.310	5.84	0.00	1.200	1.412	3.00	15.349	18.42	107.6	311.7	1008.8
20.00		1.00	0.90	5.429	5.97	0.00	1.200	1.427	2.00	10.140	12.17	72.7	208.4	668.4
25.00		1.00	0.95	5.690	6.26	0.00	1.200	1.459	5.00	25.034	30.04	188.0	522.5	1656.2
30.00		1.00	0.98	5.913	6.50	0.00	1.200	1.486	5.00	24.567	29.48	191.7	521.6	1631.8
35.00		1.00	1.01	6.108	6.72	0.00	1.200	1.509	5.00	24.097	28.92	194.3	519.0	1605.8
40.00		1.00	1.04	6.282	6.91	0.00	1.200	1.529	5.00	23.624	28.35	195.9	515.1	1578.5
41.50	Bot - Section 2	1.00	1.05	6.331	6.96	0.00	1.200	1.535	1.50	6.993	8.39	58.4	154.1	468.6
45.00		1.00	1.07	6.439	7.08	0.00	1.200	1.547	3.50	16.339	19.61	138.9	361.3	1821.2
48.00	Top - Section 1	1.00	1.08	6.527	7.18	0.00	1.200	1.557	3.00	13.819	16.58	119.1	307.7	1540.8
50.00		1.00	1.09	6.584	7.24	0.00	1.200	1.564	2.00	9.117	10.94	79.2	204.2	613.1
55.00		1.00	1.12	6.717	7.39	0.00	1.200	1.579	5.00	22.461	26.95	199.2	504.1	1509.8
60.00		1.00	1.14	6.841	7.53	0.00	1.200	1.592	5.00	21.984	26.38	198.5	497.1	1479.4
65.00		1.00	1.16	6.958	7.65	0.00	1.200	1.605	5.00	21.505	25.81	197.5	489.6	1448.5
70.00		1.00	1.17	7.067	7.77	0.00	1.200	1.617	5.00	21.025	25.23	196.1	481.6	1417.1
75.00		1.00	1.19	7.170	7.89	0.00	1.200	1.628	5.00	20.545	24.65	194.5	473.2	1385.3
80.00		1.00	1.21	7.269	8.00	0.00	1.200	1.639	5.00	20.065	24.08	192.5	464.5	1353.2
84.08	Bot - Section 3	1.00	1.22	7.345	8.08	0.00	1.200	1.647	4.08	16.029	19.23	155.4	373.4	1081.7
85.00		1.00	1.22	7.362	8.10	0.00	1.200	1.649	0.92	3.592	4.31	34.9	84.5	368.5
89.50	Top - Section 2	1.00	1.24	7.442	8.19	0.00	1.200	1.657	4.50	17.404	20.88	171.0	407.1	1780.9
90.00		1.00	1.24	7.451	8.20	0.00	1.200	1.658	0.50	1.909	2.29	18.8	45.1	112.6
95.00		1.00	1.25	7.536	8.29	0.00	1.200	1.667	5.00	18.832	22.60	187.3	441.9	1105.7
100.00		1.00	1.27	7.618	8.38	0.00	1.200	1.676	5.00	18.349	22.02	184.5	432.1	1077.1
105.00		1.00	1.28	7.697	8.47	0.00	1.200	1.684	5.00	17.867	21.44	181.5	422.1	1048.4
110.00	Appurtenance(s)	1.00	1.29	7.773	8.55	0.00	1.200	1.692	5.00	17.384	20.86	178.4	411.8	1019.4
115.00		1.00	1.30	7.846	8.63	0.00	1.200	1.699	5.00	16.901	20.28	175.0	401.4	990.3
120.00		1.00	1.32	7.916	8.71	0.00	1.200	1.707	5.00	16.417	19.70	171.6	390.9	961.0
123.00	Appurtenance(s)	1.00	1.32	7.958	8.75	0.00	1.200	1.711	3.00	9.618	11.54	101.0	230.7	563.7
125.00		1.00	1.33	7.985	8.78	0.00	1.200	1.714	2.00	6.315	7.58	66.6	152.0	370.3
127.92	Bot - Section 4	1.00	1.33	8.023	8.83	0.00	1.200	1.718	2.92	9.071	10.88	96.1	218.0	531.0
130.00		1.00	1.34	8.051	8.86	0.00	1.200	1.720	2.08	6.444	7.73	68.5	155.5	542.1
131.00	Appurtenance(s)	1.00	1.34	8.064	8.87	0.00	1.200	1.722	1.00	3.063	3.68	32.6	74.2	257.8
132.08	Top - Section 3	1.00	1.34	8.078	8.89	0.00	1.200	1.723	1.08	3.297	3.96	35.2	79.9	277.2
135.00		1.00	1.35	8.115	8.93	0.00	1.200	1.727	2.92	8.763	10.52	93.9	211.3	437.5
140.00	Appurtenance(s)	1.00	1.36	8.177	9.00	0.00	1.200	1.733	5.00	14.641	17.57	158.0	351.0	727.7
145.00		1.00	1.37	8.238	9.06	0.00	1.200	1.739	5.00	14.156	16.99	153.9	339.7	702.3
150.00	Appurtenance(s)	1.00	1.38	8.297	9.13	0.00	1.200	1.745	5.00	13.672	16.41	149.7	328.3	676.9
<b>Totals:</b>									<b>150.00</b>			<b>5,472.3</b>		<b>40,916.8</b>

## Discrete Appurtenance Forces

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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 + 1.0Di + 1.0Wi 50 mph Wind

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



**Iterations** 21

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	150.00	Ericsson RRUS 4478 B14	3	8.297	9.127	0.60	0.90	3.92	310.04	0.000	0.000	35.80	0.00	0.00
2	150.00	Cci TPA65R-BU6DA-K	1	8.297	9.127	0.65	0.90	9.29	311.26	0.000	0.000	84.83	0.00	0.00
3	150.00	Cci OPA65R-BU6DA	1	8.297	9.127	0.66	0.90	9.33	363.42	0.000	0.000	85.14	0.00	0.00
4	150.00	Cci TPA65R-BU8DA-K	2	8.297	9.127	0.65	0.90	25.49	809.56	0.000	0.000	232.62	0.00	0.00
5	150.00	Cci OPA65R-BU8DA	2	8.297	9.127	0.80	0.90	20.61	685.48	0.000	0.000	188.11	0.00	0.00
6	150.00	Ericsson AIR6449 B77D	3	8.282	9.111	0.77	0.90	11.45	729.44	0.000	-1.250	104.28	0.00	-130.35
7	150.00	Cci DTMABP7819VG12A	6	8.297	9.127	0.60	0.90	6.91	247.56	0.000	0.000	63.05	0.00	0.00
8	150.00	CCI TPX-070821	6	8.297	9.127	0.60	0.90	4.42	124.47	0.000	0.000	40.35	0.00	0.00
9	150.00	Ericsson RRUS32	3	8.297	9.127	0.60	0.90	4.03	422.67	0.000	0.000	36.81	0.00	0.00
10	150.00	Mount Pipes	12	8.297	9.127	0.90	0.90	32.09	-20106.8	0.000	0.000	292.91	0.00	0.00
11	150.00	LMU Antenna unknown	1	8.297	9.127	0.60	0.90	0.26	5.05	0.000	0.000	2.35	0.00	0.00
12	150.00	Ericsson RRUS 8843 B2	3	8.297	9.127	0.60	0.90	3.89	407.55	0.000	0.000	35.51	0.00	0.00
13	150.00	Ring Mount	2	8.297	9.127	1.00	1.00	6.79	-1883.24	0.000	0.000	61.99	0.00	0.00
14	150.00	SitePro1 VFA14-H10-2120	3	8.297	9.127	0.75	0.75	58.41	794.38	0.000	0.000	533.10	0.00	0.00
15	150.00	Ericsson RRUS 4449	3	8.297	9.127	0.60	0.90	4.55	374.94	0.000	0.000	41.56	0.00	0.00
16	150.00	Raycap	1	8.297	9.127	0.90	0.90	2.45	120.33	0.000	0.000	22.40	0.00	0.00
17	150.00	Raycap DC6-48-60-18-8F	2	8.297	9.127	0.90	0.90	2.44	164.57	0.000	0.000	22.31	0.00	0.00
18	150.00	CSS DBC-750	3	8.297	9.127	0.60	0.90	1.88	37.58	0.000	0.000	17.16	0.00	0.00
19	150.00	Commscope	3	8.297	9.127	0.60	0.90	0.44	8.55	0.000	0.000	4.00	0.00	0.00
20	140.00	Andrew SBNHH-1D65B	6	8.177	8.995	0.63	0.75	35.57	894.29	0.000	0.000	319.96	0.00	0.00
21	140.00	CBRS RRH - RT4401-	3	8.177	8.995	0.38	0.75	1.58	137.97	0.000	0.000	14.19	0.00	0.00
22	140.00	Samsung MT6407-77A	3	8.177	8.995	0.53	0.75	8.94	594.69	0.000	0.000	80.41	0.00	0.00
23	140.00	Antel BXA-70080/4CF	3	8.177	8.995	0.67	0.75	8.81	163.32	0.000	0.000	79.29	0.00	0.00
24	140.00	B5/B13 RRHBR04C	3	8.177	8.995	0.38	0.75	2.72	376.59	0.000	0.000	24.50	0.00	0.00
25	140.00	XXDWMM-12.5-65-8T-CB	3	8.177	8.995	0.38	0.75	1.44	178.87	0.000	0.000	12.92	0.00	0.00
26	140.00	B2/B66A RRHBR049	3	8.177	8.995	0.38	0.75	2.72	188.28	0.000	0.000	24.50	0.00	0.00
27	140.00	RVZDC-6627-PF48	2	8.177	8.995	0.94	1.00	9.16	252.95	0.000	0.000	82.37	0.00	0.00
28	140.00	Platform w/ HRK Handrail	1	8.177	8.995	0.67	0.67	30.13	3737.36	0.000	0.000	271.05	0.00	0.00
29	140.00	BSF0020F3V1-1	2	8.177	8.995	0.63	0.75	1.71	9.43	0.000	0.000	15.34	0.00	0.00
30	131.00	APXVAALL24-43-U-NA20	3	8.064	8.870	0.52	0.75	34.83	1705.80	0.000	0.000	308.94	0.00	0.00
31	131.00	AIR6449 B41	3	8.064	8.870	0.53	0.75	10.52	681.52	0.000	0.000	93.35	0.00	0.00
32	131.00	AIR32	3	8.064	8.870	0.65	0.75	15.02	1020.26	0.000	0.000	133.24	0.00	0.00
33	131.00	KRY 112 144-1 Double	3	8.064	8.870	0.38	0.75	0.99	62.21	0.000	0.000	8.77	0.00	0.00
34	131.00	ATMAA1412D-1A20 TMA	3	8.064	8.870	0.38	0.75	2.18	102.67	0.000	0.000	19.38	0.00	0.00
35	131.00	SDX1926Q-43 Diplexer	3	8.064	8.870	0.38	0.75	0.79	42.20	0.000	0.000	7.03	0.00	0.00
36	131.00	Radio 4449 B71+B85	3	8.064	8.870	0.38	0.75	2.85	259.22	0.000	0.000	25.26	0.00	0.00
37	131.00	Ericsson 4415 B25	3	8.064	8.870	0.38	0.75	2.42	259.05	0.000	0.000	21.44	0.00	0.00
38	131.00	Bias-T 782 11056	3	8.064	8.870	0.38	0.75	0.48	14.97	0.000	0.000	4.21	0.00	0.00
39	131.00	Sitepro1 RMQP-4096-HK	1	8.064	8.870	0.67	0.67	39.08	3438.27	0.000	0.000	346.64	0.00	0.00
40	131.00	Mount Pipes	12	8.064	8.870	0.75	0.75	21.73	-32713.3	0.000	0.000	192.78	0.00	0.00
41	123.00	APXVSP18-C-A20	2	7.958	8.753	0.62	0.75	13.39	319.31	0.000	0.000	117.25	0.00	0.00
42	123.00	APXVTM14-C-I20	3	7.958	8.753	0.59	0.75	13.21	667.90	0.000	0.000	115.61	0.00	0.00
43	123.00	ALU - TD-RRH8x20-25 -	3	7.958	8.753	0.38	0.75	5.45	575.54	0.000	0.000	47.72	0.00	0.00
44	123.00	Platform w/ HRK Handrail	1	7.958	8.753	0.67	0.67	29.97	3714.50	0.000	0.000	262.37	0.00	0.00
45	123.00	RFS - ACU-A20-N - RET	4	7.958	8.753	0.38	0.75	0.65	16.45	0.000	0.000	5.66	0.00	0.00
46	123.00	ALU - 1900 MHz RRH -	3	7.958	8.753	0.38	0.75	4.44	384.20	0.000	0.000	38.89	0.00	0.00
47	123.00	APXVSP18-C-A20 (50	1	7.958	8.753	0.75	0.75	8.07	123.44	0.000	0.000	70.63	0.00	0.00

## Discrete Appurtenance Forces

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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> 23



48	123.00	ALU - 800 MHz Filter	3	7.958	8.753	0.50	0.75	2.13	68.57	0.000	0.000	18.66	0.00	0.00
49	123.00	ALU - 800 MHz RRH -	3	7.958	8.753	0.38	0.75	4.06	345.02	0.000	0.000	35.56	0.00	0.00
50	110.00	MC-PK8-DSH	1	7.773	8.550	0.67	0.67	50.87	3364.01	0.000	0.000	434.95	0.00	0.00
51	110.00	Fujitsu TA08025-B605	3	7.773	8.550	0.38	0.75	2.82	384.32	0.000	0.000	24.08	0.00	0.00
52	110.00	JMA Wireless	3	7.773	8.550	0.55	0.75	23.16	876.57	0.000	0.000	198.02	0.00	0.00
53	110.00	Raycap	1	7.773	8.550	0.75	0.75	1.92	65.20	0.000	0.000	16.42	0.00	0.00
54	110.00	Fujitsu TA08025-B604	3	7.773	8.550	0.38	0.75	2.82	340.99	0.000	0.000	24.08	0.00	0.00
<b>Totals:</b>									<b>-23,420.5</b>					
									<b>9</b>	<b>5,399.74</b>				

## Total Applied Force Summary

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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 + 1.0Di + 1.0Wi 50 mph Wind

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



**Iterations** 21

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
1.00		36.27	387.97	0.00	0.00
5.00		144.59	1602.77	0.00	0.00
10.00		178.27	2012.52	0.00	0.00
15.00		175.27	2003.37	0.00	0.00
18.00		107.58	1193.77	0.00	0.00
20.00		72.66	792.09	0.00	0.00
25.00		188.02	1930.87	0.00	0.00
30.00		191.73	1907.19	0.00	0.00
35.00		194.27	1881.71	0.00	0.00
40.00		195.89	1854.87	0.00	0.00
41.50		58.44	551.52	0.00	0.00
45.00		138.88	2015.02	0.00	0.00
48.00		119.06	1707.04	0.00	0.00
50.00		79.23	723.97	0.00	0.00
55.00		199.16	1787.51	0.00	0.00
60.00		198.53	1757.44	0.00	0.00
65.00		197.50	1726.83	0.00	0.00
70.00		196.14	1695.75	0.00	0.00
75.00		194.46	1664.26	0.00	0.00
80.00		192.51	1632.40	0.00	0.00
84.08		155.41	1309.93	0.00	0.00
85.00		34.91	419.73	0.00	0.00
89.50		170.97	2032.64	0.00	0.00
90.00		18.78	140.52	0.00	0.00
95.00		187.34	1385.63	0.00	0.00
100.00		184.52	1357.34	0.00	0.00
105.00		181.52	1328.81	0.00	0.00
110.00	(11) attachments	875.91	6331.16	0.00	0.00
115.00		175.03	1235.84	0.00	0.00
120.00		171.55	1206.52	0.00	0.00
123.00	(23) attachments	813.37	6926.00	0.00	0.00
125.00		66.56	459.40	0.00	0.00
127.92		96.07	660.89	0.00	0.00
130.00		68.48	634.90	0.00	0.00
131.00	(40) attachments	1193.65	-24824.87	0.00	0.00
132.08		35.15	313.08	0.00	0.00
135.00		93.87	534.00	0.00	0.00
140.00	(29) attachments	1082.55	7426.88	0.00	0.00
145.00		153.94	778.72	0.00	0.00
150.00	(60) attachments	2054.01	-15320.00	0.00	-130.35
	<b>Totals:</b>	<b>10,872.05</b>	<b>25,166.01</b>	<b>0.00</b>	<b>-130.35</b>

## Linear Appurtenance Segment Forces (Factored)

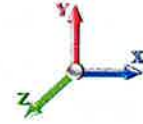
<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (ft)	<b>Crest Height:</b> 0.00	
<b>Base Elev:</b> 0.000 (ft)	<b>Site Class:</b> D - Stiff Soil	
<b>Gh:</b> 1.1	<b>Topography:</b> 1	<b>Struct Class:</b> II



Page: 25

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

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



**Iterations**    21

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
1.00	1.60" Hybrid	Yes	1.00	0.000	1.60	0.31	0.00	0.046	0.000	5.116	0.00	4.10
1.00	1.25" Reinforcing	Yes	1.00	0.000	1.25	0.28	0.00	0.046	0.000	5.116	0.00	4.84
5.00	1.60" Hybrid	Yes	4.00	0.000	1.60	1.36	0.00	0.046	0.000	5.116	0.00	19.38
5.00	1.25" Reinforcing	Yes	4.00	0.000	1.25	1.24	0.00	0.046	0.000	5.116	0.00	23.59
10.00	1.60" Hybrid	Yes	5.00	0.000	1.60	1.78	0.00	0.047	0.000	5.116	0.00	26.18
10.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	1.63	0.00	0.047	0.000	5.116	0.00	32.19
15.00	1.60" Hybrid	Yes	5.00	0.000	1.60	1.82	0.00	0.048	0.000	5.116	0.00	27.43
15.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	1.68	0.00	0.048	0.000	5.116	0.00	33.91
18.00	1.60" Hybrid	Yes	3.00	0.000	1.60	1.11	0.00	0.049	0.000	5.310	0.00	16.82
18.00	1.25" Reinforcing	Yes	3.00	0.000	1.25	1.02	0.00	0.049	0.000	5.310	0.00	20.83
20.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.74	0.00	0.049	0.000	5.429	0.00	11.35
20.00	1.25" Reinforcing	Yes	2.00	0.000	1.25	0.68	0.00	0.049	0.000	5.429	0.00	14.08
25.00	1.60" Hybrid	Yes	5.00	0.000	1.60	1.88	0.00	0.028	0.000	5.690	0.00	29.15
30.00	1.60" Hybrid	Yes	5.00	0.000	1.60	1.90	0.00	0.029	0.000	5.913	0.00	29.80
35.00	1.60" Hybrid	Yes	5.00	0.000	1.60	1.92	0.00	0.029	0.000	6.108	0.00	30.36
40.00	1.60" Hybrid	Yes	5.00	0.000	1.60	1.94	0.00	0.030	0.000	6.282	0.00	30.87
41.50	1.60" Hybrid	Yes	1.50	0.000	1.60	0.58	0.00	0.030	0.000	6.331	0.00	9.30
45.00	1.60" Hybrid	Yes	3.50	0.000	1.60	1.37	0.00	0.031	0.000	6.439	0.00	21.92
48.00	1.60" Hybrid	Yes	3.00	0.000	1.60	1.18	0.00	0.031	0.000	6.527	0.00	18.94
50.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.79	0.00	0.031	0.000	6.584	0.00	12.69
55.00	1.60" Hybrid	Yes	5.00	0.000	1.60	1.98	0.00	0.032	0.000	6.717	0.00	32.11
60.00	1.60" Hybrid	Yes	5.00	0.000	1.60	1.99	0.00	0.032	0.000	6.841	0.00	32.47
65.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.00	0.00	0.033	0.000	6.958	0.00	32.80
70.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.01	0.00	0.034	0.000	7.067	0.00	33.11
75.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.02	0.00	0.035	0.000	7.170	0.00	33.40
80.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.03	0.00	0.036	0.000	7.269	0.00	33.67
84.08	1.60" Hybrid	Yes	4.08	0.000	1.60	1.67	0.00	0.037	0.000	7.345	0.00	27.68
85.00	1.60" Hybrid	Yes	0.92	0.000	1.60	0.37	0.00	0.037	0.000	7.362	0.00	6.22
89.50	1.60" Hybrid	Yes	4.50	0.000	1.60	1.84	0.00	0.038	0.000	7.442	0.00	30.74
90.00	1.60" Hybrid	Yes	0.50	0.000	1.60	0.20	0.00	0.038	0.000	7.451	0.00	3.42
95.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.06	0.00	0.038	0.000	7.536	0.00	34.42
100.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.06	0.00	0.039	0.000	7.618	0.00	34.65
105.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.07	0.00	0.040	0.000	7.697	0.00	34.87
110.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.08	0.00	0.042	0.000	7.773	0.00	35.08
<b>Totals:</b>											<b>0.0</b>	<b>822.4</b>

## Calculated Forces

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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**    21

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-65.31	-10.88	0.00	-1194.6	0.00	1194.62	3399.80	1065.08	5407.03	4291.98	0.00	0.000	0.000	0.242
1.00	-64.92	-10.87	0.00	-1183.7	0.00	1183.75	3395.30	1061.05	5366.22	4270.01	0.00	-0.010	0.000	0.227
5.00	-63.31	-10.77	0.00	-1140.2	0.00	1140.28	3376.67	1044.94	5204.52	4181.78	0.02	-0.045	0.000	0.223
10.00	-61.29	-10.63	0.00	-1086.4	0.00	1086.46	3351.95	1024.81	5005.88	4070.76	0.10	-0.090	0.000	0.217
15.00	-59.28	-10.49	0.00	-1033.2	0.00	1033.29	3325.64	1004.67	4811.11	3959.04	0.22	-0.135	0.000	0.211
18.00	-58.08	-10.40	0.00	-1001.8	0.00	1001.82	3309.09	992.59	4696.10	3891.71	0.31	-0.163	0.000	0.208
18.00	-58.08	-10.40	0.00	-1001.8	0.00	1001.82	3309.09	992.59	4696.10	3891.71	0.31	-0.163	0.000	0.208
20.00	-57.28	-10.37	0.00	-981.01	0.00	981.01	3297.75	984.54	4620.20	3846.73	0.38	-0.181	0.000	0.273
25.00	-55.34	-10.23	0.00	-929.17	0.00	929.17	3268.27	964.40	4433.15	3733.95	0.60	-0.241	0.000	0.266
30.00	-53.42	-10.09	0.00	-878.02	0.00	878.02	3237.21	944.27	4249.97	3620.81	0.89	-0.301	0.000	0.259
35.00	-51.53	-9.94	0.00	-827.59	0.00	827.59	3204.56	924.13	4070.66	3507.42	1.24	-0.362	0.000	0.252
40.00	-49.67	-9.76	0.00	-777.91	0.00	777.91	3170.32	904.00	3895.21	3393.91	1.65	-0.423	0.000	0.245
41.50	-49.12	-9.73	0.00	-763.27	0.00	763.27	3159.75	897.96	3843.32	3359.85	1.78	-0.442	0.000	0.243
45.00	-47.09	-9.60	0.00	-729.23	0.00	729.23	3134.51	883.86	3723.62	3280.38	2.12	-0.485	0.000	0.237
48.00	-45.38	-9.49	0.00	-700.42	0.00	700.42	3132.32	882.66	3713.50	3273.60	2.44	-0.522	0.000	0.229
50.00	-44.65	-9.44	0.00	-681.43	0.00	681.43	3117.51	874.61	3646.04	3228.22	2.67	-0.547	0.000	0.226
55.00	-42.86	-9.27	0.00	-634.23	0.00	634.23	3079.38	854.47	3480.10	3114.86	3.27	-0.606	0.000	0.218
60.00	-41.09	-9.09	0.00	-587.89	0.00	587.89	3039.66	834.34	3318.02	3001.78	3.94	-0.664	0.000	0.209
65.00	-39.36	-8.91	0.00	-542.43	0.00	542.43	2998.35	814.20	3159.80	2889.07	4.66	-0.723	0.000	0.201
70.00	-37.66	-8.73	0.00	-497.87	0.00	497.87	2955.47	794.07	3005.45	2776.85	5.45	-0.780	0.000	0.192
75.00	-35.99	-8.55	0.00	-454.21	0.00	454.21	2910.99	773.93	2854.97	2665.24	6.30	-0.837	0.000	0.183
80.00	-34.35	-8.36	0.00	-411.46	0.00	411.46	2864.93	753.80	2708.35	2554.35	7.21	-0.893	0.000	0.173
84.08	-33.04	-8.20	0.00	-377.31	0.00	377.31	2826.14	737.35	2591.47	2464.40	7.99	-0.938	0.000	0.165
85.00	-32.62	-8.18	0.00	-369.79	0.00	369.79	2817.29	733.66	2565.59	2444.29	8.17	-0.948	0.000	0.163
89.50	-30.58	-7.99	0.00	-332.99	0.00	332.99	2031.97	580.27	2006.13	1745.38	9.09	-0.996	0.000	0.206
90.00	-30.44	-7.98	0.00	-329.00	0.00	329.00	2029.17	578.65	1995.01	1738.11	9.20	-1.002	0.000	0.204
95.00	-29.05	-7.80	0.00	-289.08	0.00	289.08	2000.37	562.55	1885.48	1665.46	10.28	-1.063	0.000	0.188
100.00	-27.69	-7.62	0.00	-250.08	0.00	250.08	1969.98	546.44	1779.05	1592.91	11.42	-1.121	0.000	0.171
105.00	-26.36	-7.43	0.00	-211.99	0.00	211.99	1938.01	530.33	1675.71	1520.56	12.63	-1.175	0.000	0.153
110.00	-20.04	-6.44	0.00	-174.83	0.00	174.83	1904.45	514.22	1575.46	1448.55	13.89	-1.225	0.000	0.131
115.00	-18.80	-6.25	0.00	-142.62	0.00	142.62	1869.30	498.11	1478.31	1376.98	15.19	-1.270	0.000	0.114
120.00	-17.60	-6.06	0.00	-111.35	0.00	111.35	1832.57	482.01	1384.24	1305.97	16.54	-1.309	0.000	0.095
123.00	-10.69	-5.09	0.00	-93.16	0.00	93.16	1809.77	472.34	1329.29	1263.68	17.37	-1.330	0.000	0.080
125.00	-10.23	-5.02	0.00	-82.97	0.00	82.97	1794.25	465.90	1293.27	1235.63	17.93	-1.343	0.000	0.073
127.92	-9.57	-4.91	0.00	-68.33	0.00	68.33	1771.17	456.50	1241.63	1194.95	18.76	-1.359	0.000	0.063
130.00	-8.94	-4.83	0.00	-58.10	0.00	58.10	1754.35	449.79	1205.39	1166.07	19.36	-1.370	0.000	0.055
131.00	-8.97	-3.64	0.00	-53.27	0.00	53.27	1746.18	446.57	1188.18	1152.26	19.64	-1.375	0.000	0.051
132.08	-8.66	-3.59	0.00	-49.33	0.00	49.33	1160.51	336.88	901.55	771.77	19.96	-1.380	0.000	0.071
135.00	-8.12	-3.49	0.00	-38.85	0.00	38.85	1148.85	329.83	864.23	747.94	20.80	-1.391	0.000	0.059
140.00	-0.72	-2.23	0.00	-21.40	0.00	21.40	1127.62	317.75	802.08	707.07	22.27	-1.409	0.000	0.031
145.00	0.05	-2.05	0.00	-10.27	0.00	10.27	1104.80	305.67	742.25	666.26	23.75	-1.420	0.000	0.016
150.00	0.00	-2.05	0.00	0.00	0.00	0.00	1080.40	293.59	684.73	625.63	25.24	-1.424	0.000	0.000

## Seismic Segment Forces (Factored)

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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>Load Case:</b> 1.2D + 1.0Ev + 1.0Eh					<b>Iterations</b> 19
<b>Gust Response Factor</b>	1.10	<b>Sds</b>	0.19	<b>Ss</b>	0.18
<b>Dead Load Factor</b>	1.20	<b>Seismic Load Factor</b>	1.00	<b>Sd1</b>	0.09
<b>Wind Load Factor</b>	0.00	<b>Structure Frequency (f1)</b>	0.32	<b>SA</b>	0.03
				<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	RB1	0.00	0.00	0.00	0.00	
1.00	RT1 RB2	256.43	0.50	9.63	0.00	
5.00		1017.9	3.00	38.22	0.00	
10.00		1254.8	7.50	47.11	0.04	
15.00		1235.3	12.50	46.38	0.12	
18.00	RT2	731.81	16.50	27.48	0.07	
20.00		483.97	19.00	18.17	0.04	
25.00		1196.2	22.50	44.92	0.36	
30.00		1176.7	27.50	44.18	0.52	
35.00		1157.2	32.50	43.45	0.70	
40.00		1137.7	37.50	42.72	0.90	
41.50	Bot - Section 2	337.50	40.75	12.67	0.09	
45.00		1392.6	43.25	52.29	1.80	
48.00	Top - Section 1	1178.4	46.50	44.25	1.49	
50.00		441.34	49.00	16.57	0.23	
55.00		1089.6	52.50	40.91	1.63	
60.00		1070.1	57.50	40.18	1.88	
65.00		1050.6	62.50	39.45	2.14	
70.00		1031.1	67.50	38.72	2.41	
75.00		1011.6	72.50	37.98	2.67	
80.00		992.09	77.50	37.25	2.94	
84.08	Bot - Section 3	795.72	82.04	29.88	2.12	
85.00		282.81	84.54	10.62	0.28	
89.50	Top - Section 2	1371.2	87.25	51.49	7.11	
90.00		81.33	89.75	3.05	0.03	
95.00		804.73	92.50	30.21	2.75	
100.00		789.11	97.50	29.63	2.94	
105.00		773.49	102.50	29.04	3.12	
110.00	Appurtenance(s)	3125.9	107.50	117.37	56.12	
115.00		736.26	112.50	27.64	3.41	
120.00		720.65	117.50	27.06	3.56	
123.00	Appurtenance(s)	3042.3	121.50	114.23	67.90	
125.00		270.98	124.00	10.17	0.56	
127.92	Bot - Section 4	390.70	126.46	14.67	1.21	
130.00		414.95	128.96	15.58	1.42	
131.00	Appurtenance(s)	4128.4	130.50	155.01	144.24	
132.08	Top - Section 3	200.31	131.54	7.52	0.35	
135.00		285.01	133.54	10.70	0.72	
140.00	Appurtenance(s)	3423.2	137.50	128.53	110.10	
145.00		378.57	142.50	14.21	1.45	
150.00	Appurtenance(s)	5188.6	147.50	194.81	291.06	
<b>Totals:</b>		<b>46,447.9</b>		<b>1,744.0</b>	<b>720.5</b>	<b>Total Wind: 37,146.3</b>



## Calculated Forces

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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



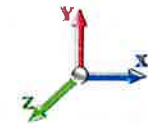
<b>Load Case:</b> 1.2D + 1.0Ev + 1.0Eh						<b>Iterations</b> 19
<b>Gust Response Factor</b>	1.10	<b>Sds</b>	0.19	<b>Ss</b>	0.18	
<b>Dead Load Factor</b>	1.20	<b>Seismic Load Factor</b>	1.00	<b>Sd1</b>	0.09	
<b>Wind Load Factor</b>	0.00	<b>Structure Frequency (f1)</b>	0.32	<b>SA</b>	0.03	
		<b>Seismic 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	-56.09	-0.72	0.00	-102.03	0.00	102.03	3399.80	1065.08	5407.03	4291.98		0.00	0.00	0.033
1.00	-55.78	-0.72	0.00	-101.31	0.00	101.31	3395.30	1061.05	5366.22	4270.01		0.00	0.00	0.030
5.00	-54.56	-0.72	0.00	-98.43	0.00	98.43	3376.67	1044.94	5204.52	4181.78		0.00	0.00	0.030
10.00	-53.06	-0.73	0.00	-94.81	0.00	94.81	3351.95	1024.81	5005.88	4070.76		0.01	-0.01	0.029
15.00	-51.58	-0.73	0.00	-91.17	0.00	91.17	3325.64	1004.67	4811.11	3959.04		0.02	-0.01	0.029
18.00	-50.70	-0.73	0.00	-88.97	0.00	88.97	3309.09	992.59	4696.10	3891.71		0.03	-0.01	0.028
18.00	-50.70	-0.73	0.00	-88.97	0.00	88.97	3309.09	992.59	4696.10	3891.71		0.03	-0.01	0.028
20.00	-50.12	-0.73	0.00	-87.51	0.00	87.51	3297.75	984.54	4620.20	3846.73		0.03	-0.02	0.038
25.00	-48.69	-0.74	0.00	-83.84	0.00	83.84	3268.27	964.40	4433.15	3733.95		0.05	-0.02	0.037
30.00	-47.29	-0.74	0.00	-80.14	0.00	80.14	3237.21	944.27	4249.97	3620.81		0.08	-0.03	0.037
35.00	-45.91	-0.75	0.00	-76.43	0.00	76.43	3204.56	924.13	4070.66	3507.42		0.11	-0.03	0.036
40.00	-44.55	-0.75	0.00	-72.71	0.00	72.71	3170.32	904.00	3895.21	3393.91		0.15	-0.04	0.035
41.50	-44.14	-0.75	0.00	-71.59	0.00	71.59	3159.75	897.96	3843.32	3359.85		0.16	-0.04	0.035
45.00	-42.46	-0.75	0.00	-68.97	0.00	68.97	3134.51	883.86	3723.62	3280.38		0.19	-0.04	0.035
48.00	-41.03	-0.75	0.00	-66.72	0.00	66.72	3132.32	882.66	3713.50	3273.60		0.22	-0.05	0.033
50.00	-40.50	-0.75	0.00	-65.23	0.00	65.23	3117.51	874.61	3646.04	3228.22		0.24	-0.05	0.033
55.00	-39.20	-0.75	0.00	-61.48	0.00	61.48	3079.38	854.47	3480.10	3114.86		0.29	-0.06	0.032
60.00	-37.93	-0.75	0.00	-57.72	0.00	57.72	3039.66	834.34	3318.02	3001.78		0.35	-0.06	0.032
65.00	-36.68	-0.75	0.00	-53.97	0.00	53.97	2998.35	814.20	3159.80	2889.07		0.42	-0.07	0.031
70.00	-35.45	-0.75	0.00	-50.21	0.00	50.21	2955.47	794.07	3005.45	2776.85		0.49	-0.07	0.030
75.00	-34.25	-0.75	0.00	-46.45	0.00	46.45	2910.99	773.93	2854.97	2665.24		0.57	-0.08	0.029
80.00	-33.07	-0.75	0.00	-42.70	0.00	42.70	2864.93	753.80	2708.35	2554.35		0.66	-0.08	0.028
84.08	-32.13	-0.75	0.00	-39.64	0.00	39.64	2826.14	737.35	2591.47	2464.40		0.73	-0.09	0.027
85.00	-31.79	-0.75	0.00	-38.95	0.00	38.95	2817.29	733.66	2565.59	2444.29		0.75	-0.09	0.027
89.50	-30.14	-0.74	0.00	-35.59	0.00	35.59	2031.97	580.27	2006.13	1745.38		0.84	-0.09	0.035
90.00	-30.04	-0.74	0.00	-35.22	0.00	35.22	2029.17	578.65	1995.01	1738.11		0.85	-0.10	0.035
95.00	-29.10	-0.74	0.00	-31.51	0.00	31.51	2000.37	562.55	1885.48	1665.46		0.95	-0.10	0.033
100.00	-28.17	-0.74	0.00	-27.81	0.00	27.81	1969.98	546.44	1779.05	1592.91		1.06	-0.11	0.032
105.00	-27.26	-0.74	0.00	-24.11	0.00	24.11	1938.01	530.33	1675.71	1520.56		1.18	-0.11	0.030
110.00	-23.45	-0.68	0.00	-20.43	0.00	20.43	1904.45	514.22	1575.46	1448.55		1.30	-0.12	0.026
115.00	-22.58	-0.67	0.00	-17.05	0.00	17.05	1869.30	498.11	1478.31	1376.98		1.43	-0.13	0.024
120.00	-21.74	-0.67	0.00	-13.69	0.00	13.69	1832.57	482.01	1384.24	1305.97		1.56	-0.13	0.022
123.00	-18.01	-0.59	0.00	-11.68	0.00	11.68	1809.77	472.34	1329.29	1263.68		1.65	-0.13	0.019
125.00	-17.69	-0.59	0.00	-10.50	0.00	10.50	1794.25	465.90	1293.27	1235.63		1.70	-0.13	0.018
127.92	-17.23	-0.59	0.00	-8.77	0.00	8.77	1771.17	456.50	1241.63	1194.95		1.78	-0.14	0.017
130.00	-16.74	-0.59	0.00	-7.54	0.00	7.54	1754.35	449.79	1205.39	1166.07		1.84	-0.14	0.016
131.00	-11.64	-0.43	0.00	-6.96	0.00	6.96	1746.18	446.57	1188.18	1152.26		1.87	-0.14	0.013
132.08	-11.39	-0.43	0.00	-6.49	0.00	6.49	1160.51	336.88	901.55	771.77		1.91	-0.14	0.018
135.00	-11.06	-0.43	0.00	-5.23	0.00	5.23	1148.85	329.83	864.23	747.94		1.99	-0.14	0.017
140.00	-6.86	-0.31	0.00	-3.08	0.00	3.08	1127.62	317.75	802.08	707.07		2.14	-0.14	0.010
145.00	-6.41	-0.31	0.00	-1.54	0.00	1.54	1104.80	305.67	742.25	666.26		2.29	-0.14	0.008
150.00	0.00	-0.29	0.00	0.00	0.00	0.00	1080.40	293.59	684.73	625.63		2.44	-0.15	0.000

## Seismic Segment Forces (Factored)

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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>Load Case:</b> 0.9D + 1.0Ev + 1.0Eh					<b>Iterations</b> 19
<b>Gust Response Factor</b>	1.10	<b>Sds</b>	0.19	<b>Ss</b>	0.18
<b>Dead Load Factor</b>	0.90	<b>Seismic Load Factor</b>	1.00	<b>Sd1</b>	0.09
<b>Wind Load Factor</b>	0.00	<b>Structure Frequency (f1)</b>	0.32	<b>SA</b>	0.03
				<b>Seismic Importance Factor</b>	1.00

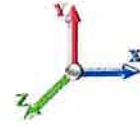
Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)	R: 1.50
0.00	RB1	0.00	0.00	0.00	0.00	
1.00	RT1 RB2	243.85	0.50	9.16	0.00	
5.00		967.60	3.00	36.33	0.00	
10.00		1191.9	7.50	44.75	0.04	
15.00		1172.4	12.50	44.02	0.11	
18.00	RT2	694.08	16.50	26.06	0.07	
20.00		458.81	19.00	17.23	0.04	
25.00		1133.3	22.50	42.55	0.33	
30.00		1113.8	27.50	41.82	0.48	
35.00		1094.3	32.50	41.09	0.64	
40.00		1074.8	37.50	40.36	0.83	
41.50	Bot - Section 2	318.64	40.75	11.96	0.09	
45.00		1348.6	43.25	50.64	1.73	
48.00	Top - Section 1	1140.7	46.50	42.83	1.43	
50.00		416.18	49.00	15.63	0.21	
55.00		1026.8	52.50	38.55	1.48	
60.00		1007.2	57.50	37.82	1.70	
65.00		987.76	62.50	37.09	1.94	
70.00		968.24	67.50	36.35	2.17	
75.00		948.72	72.50	35.62	2.40	
80.00		929.20	77.50	34.89	2.63	
84.08	Bot - Section 3	744.36	82.04	27.95	1.89	
85.00		271.28	84.54	10.19	0.27	
89.50	Top - Section 2	1314.6	87.25	49.36	6.68	
90.00		75.04	89.75	2.82	0.02	
95.00		741.84	92.50	27.85	2.39	
100.00		726.22	97.50	27.27	2.55	
105.00		710.60	102.50	26.68	2.69	
110.00	Appurtenance(s)	3063.0	107.50	115.01	55.08	
115.00		674.87	112.50	25.34	2.93	
120.00		659.26	117.50	24.75	3.05	
123.00	Appurtenance(s)	3005.5	121.50	112.85	67.74	
125.00		248.71	124.00	9.34	0.48	
127.92	Bot - Section 4	358.23	126.46	13.45	1.04	
130.00		391.75	128.96	14.71	1.30	
131.00	Appurtenance(s)	4117.3	130.50	154.59	146.65	
132.08	Top - Section 3	191.35	131.54	7.18	0.32	
135.00		260.89	133.54	9.80	0.62	
140.00	Appurtenance(s)	3381.8	137.50	126.98	109.84	
145.00		359.47	142.50	13.50	1.33	
150.00	Appurtenance(s)	5169.5	147.50	194.10	295.33	
<b>Totals:</b>		<b>44,703.0</b>		<b>1,678.5</b>	<b>720.5</b>	
					<b>Total Wind:</b>	<b>37,146.3</b>

## Calculated Forces

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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



<b>Load Case:</b> 0.9D + 1.0Ev + 1.0Eh				<b>Iterations</b> 19
<b>Gust Response Factor</b>	1.10	<b>Sds</b>	0.19	<b>Ss</b> 0.18
<b>Dead Load Factor</b>	0.90	<b>Seismic Load Factor</b>	1.00	<b>S1</b> 0.05
<b>Wind Load Factor</b>	0.00	<b>Structure Frequency (f1)</b>	0.32	<b>SA</b> 0.03
		<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	-42.43	-0.72	0.00	-101.04	0.00	101.04	3399.80	1065.08	5407.03	4291.98	0.00	0.00	0.00	0.030
1.00	-42.20	-0.72	0.00	-100.32	0.00	100.32	3395.30	1061.05	5366.22	4270.01	0.00	0.00	0.00	0.027
5.00	-41.28	-0.72	0.00	-97.44	0.00	97.44	3376.67	1044.94	5204.52	4181.78	0.00	0.00	0.00	0.027
10.00	-40.14	-0.73	0.00	-93.82	0.00	93.82	3351.95	1024.81	5005.88	4070.76	0.01	-0.01	-0.01	0.026
15.00	-39.03	-0.73	0.00	-90.19	0.00	90.19	3325.64	1004.67	4811.11	3959.04	0.02	-0.02	-0.01	0.026
18.00	-38.36	-0.73	0.00	-88.01	0.00	88.01	3309.09	992.59	4696.10	3891.71	0.03	-0.03	-0.01	0.025
18.00	-38.36	-0.73	0.00	-88.01	0.00	88.01	3309.09	992.59	4696.10	3891.71	0.03	-0.03	-0.01	0.025
20.00	-37.93	-0.73	0.00	-86.55	0.00	86.55	3297.75	984.54	4620.20	3846.73	0.03	-0.03	-0.02	0.034
25.00	-36.84	-0.73	0.00	-82.89	0.00	82.89	3268.27	964.40	4433.15	3733.95	0.05	-0.05	-0.02	0.033
30.00	-35.78	-0.74	0.00	-79.22	0.00	79.22	3237.21	944.27	4249.97	3620.81	0.08	-0.08	-0.03	0.033
35.00	-34.74	-0.74	0.00	-75.54	0.00	75.54	3204.56	924.13	4070.66	3507.42	0.11	-0.11	-0.03	0.032
40.00	-33.71	-0.74	0.00	-71.85	0.00	71.85	3170.32	904.00	3895.21	3393.91	0.14	-0.14	-0.04	0.032
41.50	-33.40	-0.74	0.00	-70.74	0.00	70.74	3159.75	897.96	3843.32	3359.85	0.16	-0.16	-0.04	0.032
45.00	-32.13	-0.74	0.00	-68.15	0.00	68.15	3134.51	883.86	3723.62	3280.38	0.19	-0.19	-0.04	0.031
48.00	-31.05	-0.74	0.00	-65.93	0.00	65.93	3132.32	882.66	3713.50	3273.60	0.21	-0.21	-0.05	0.030
50.00	-30.65	-0.74	0.00	-64.45	0.00	64.45	3117.51	874.61	3646.04	3228.22	0.23	-0.23	-0.05	0.030
55.00	-29.67	-0.74	0.00	-60.75	0.00	60.75	3079.38	854.47	3480.10	3114.86	0.29	-0.29	-0.05	0.029
60.00	-28.70	-0.74	0.00	-57.04	0.00	57.04	3039.66	834.34	3318.02	3001.78	0.35	-0.35	-0.06	0.028
65.00	-27.76	-0.74	0.00	-53.33	0.00	53.33	2998.35	814.20	3159.80	2889.07	0.42	-0.42	-0.07	0.028
70.00	-26.83	-0.74	0.00	-49.62	0.00	49.62	2955.47	794.07	3005.45	2776.85	0.49	-0.49	-0.07	0.027
75.00	-25.92	-0.74	0.00	-45.92	0.00	45.92	2910.99	773.93	2854.97	2665.24	0.57	-0.57	-0.08	0.026
80.00	-25.03	-0.74	0.00	-42.22	0.00	42.22	2864.93	753.80	2708.35	2554.35	0.65	-0.65	-0.08	0.025
84.08	-24.32	-0.74	0.00	-39.20	0.00	39.20	2826.14	737.35	2591.47	2464.40	0.72	-0.72	-0.09	0.025
85.00	-24.06	-0.74	0.00	-38.53	0.00	38.53	2817.29	733.66	2565.59	2444.29	0.74	-0.74	-0.09	0.024
89.50	-22.81	-0.73	0.00	-35.21	0.00	35.21	2031.97	580.27	2006.13	1745.38	0.83	-0.83	-0.09	0.031
90.00	-22.74	-0.73	0.00	-34.85	0.00	34.85	2029.17	578.65	1995.01	1738.11	0.84	-0.84	-0.09	0.031
95.00	-22.03	-0.73	0.00	-31.19	0.00	31.19	2000.37	562.55	1885.48	1665.46	0.94	-0.94	-0.10	0.030
100.00	-21.33	-0.73	0.00	-27.54	0.00	27.54	1969.98	546.44	1779.05	1592.91	1.05	-1.05	-0.11	0.028
105.00	-20.64	-0.73	0.00	-23.90	0.00	23.90	1938.01	530.33	1675.71	1520.56	1.16	-1.16	-0.11	0.026
110.00	-17.75	-0.67	0.00	-20.27	0.00	20.27	1904.45	514.22	1575.46	1448.55	1.29	-1.29	-0.12	0.023
115.00	-17.10	-0.66	0.00	-16.93	0.00	16.93	1869.30	498.11	1478.31	1376.98	1.41	-1.41	-0.12	0.021
120.00	-16.46	-0.66	0.00	-13.61	0.00	13.61	1832.57	482.01	1384.24	1305.97	1.55	-1.55	-0.13	0.019
123.00	-13.63	-0.59	0.00	-11.62	0.00	11.62	1809.77	472.34	1329.29	1263.68	1.63	-1.63	-0.13	0.017
125.00	-13.39	-0.59	0.00	-10.45	0.00	10.45	1794.25	465.90	1293.27	1235.63	1.68	-1.68	-0.13	0.016
127.92	-13.05	-0.59	0.00	-8.73	0.00	8.73	1771.17	456.50	1241.63	1194.95	1.76	-1.76	-0.14	0.015
130.00	-12.67	-0.58	0.00	-7.51	0.00	7.51	1754.35	449.79	1205.39	1166.07	1.82	-1.82	-0.14	0.014
131.00	-8.81	-0.43	0.00	-6.93	0.00	6.93	1746.18	446.57	1188.18	1152.26	1.85	-1.85	-0.14	0.011
132.08	-8.63	-0.43	0.00	-6.47	0.00	6.47	1160.51	336.88	901.55	771.77	1.88	-1.88	-0.14	0.016
135.00	-8.38	-0.43	0.00	-5.22	0.00	5.22	1148.85	329.83	864.23	747.94	1.97	-1.97	-0.14	0.014
140.00	-5.19	-0.31	0.00	-3.08	0.00	3.08	1127.62	317.75	802.08	707.07	2.12	-2.12	-0.14	0.009
145.00	-4.85	-0.31	0.00	-1.54	0.00	1.54	1104.80	305.67	742.25	666.26	2.27	-2.27	-0.14	0.007
150.00	0.00	-0.30	0.00	0.00	0.00	0.00	1080.40	293.59	684.73	625.63	2.42	-2.42	-0.14	0.000

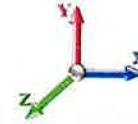
## Wind Loading - Shaft

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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: 31



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

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



**Iterations** 21

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.85	6.592	7.25	286.43	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00	RT1 RB2	1.00	0.85	6.592	7.25	285.36	0.730	0.000	1.00	5.194	3.79	27.5	0.0	206.1
5.00		1.00	0.85	6.592	7.25	281.05	0.730	0.000	4.00	20.581	15.02	108.9	0.0	816.7
10.00		1.00	0.85	6.592	7.25	275.66	0.730	0.000	5.00	25.286	18.46	133.9	0.0	1003.3
15.00		1.00	0.85	6.592	7.25	270.27	0.730	0.000	5.00	24.797	18.10	131.3	0.0	983.7
18.00	RT2	1.00	0.88	6.841	7.53	272.04	0.730	0.000	3.00	14.643	10.69	80.4	0.0	580.9
20.00		1.00	0.90	6.995	7.69	272.85	0.730	0.000	2.00	9.664	7.05	54.3	0.0	383.3
25.00		1.00	0.95	7.331	8.06	273.65	0.730	0.000	5.00	23.818	17.39	140.2	0.0	944.7
30.00		1.00	0.98	7.618	8.38	273.16	0.730	0.000	5.00	23.329	17.03	142.7	0.0	925.2
35.00		1.00	1.01	7.869	8.66	271.75	0.730	0.000	5.00	22.839	16.67	144.3	0.0	905.7
40.00		1.00	1.04	8.093	8.90	269.62	0.730	0.000	5.00	22.350	16.32	145.3	0.0	886.1
41.50	Bot - Section 2	1.00	1.05	8.156	8.97	268.87	0.730	0.000	1.50	6.609	4.82	43.3	0.0	262.0
45.00		1.00	1.07	8.297	9.13	266.94	0.730	0.000	3.50	15.436	11.27	102.8	0.0	1216.6
48.00	Top - Section 1	1.00	1.08	8.410	9.25	265.11	0.730	0.000	3.00	13.040	9.52	88.1	0.0	1027.5
50.00		1.00	1.09	8.483	9.33	267.11	0.730	0.000	2.00	8.595	6.27	58.5	0.0	340.7
55.00		1.00	1.12	8.655	9.52	263.63	0.730	0.000	5.00	21.146	15.44	147.0	0.0	838.1
60.00		1.00	1.14	8.815	9.70	259.83	0.730	0.000	5.00	20.657	15.08	146.2	0.0	818.6
65.00		1.00	1.16	8.964	9.86	255.74	0.730	0.000	5.00	20.167	14.72	145.2	0.0	799.1
70.00		1.00	1.17	9.105	10.02	251.41	0.730	0.000	5.00	19.678	14.36	143.9	0.0	779.6
75.00		1.00	1.19	9.239	10.16	246.87	0.730	0.000	5.00	19.188	14.01	142.4	0.0	760.0
80.00		1.00	1.21	9.365	10.30	242.13	0.730	0.000	5.00	18.699	13.65	140.6	0.0	740.5
84.08	Bot - Section 3	1.00	1.22	9.464	10.41	238.13	0.730	0.000	4.08	14.908	10.88	113.3	0.0	590.3
85.00		1.00	1.22	9.485	10.43	237.22	0.730	0.000	0.92	3.341	2.44	25.4	0.0	236.7
89.50	Top - Section 2	1.00	1.24	9.589	10.55	232.66	0.730	0.000	4.50	16.161	11.80	124.4	0.0	1144.8
90.00		1.00	1.24	9.600	10.56	234.96	0.730	0.000	0.50	1.771	1.29	13.7	0.0	56.2
95.00		1.00	1.25	9.710	10.68	229.76	0.730	0.000	5.00	17.442	12.73	136.0	0.0	553.2
100.00		1.00	1.27	9.815	10.80	224.43	0.730	0.000	5.00	16.953	12.38	133.6	0.0	537.6
105.00		1.00	1.28	9.917	10.91	218.98	0.730	0.000	5.00	16.463	12.02	131.1	0.0	521.9
110.00	Appurtenance(s)	1.00	1.29	10.014	11.02	213.41	0.730	0.000	5.00	15.974	11.66	128.5	0.0	506.3
115.00		1.00	1.30	10.109	11.12	207.74	0.730	0.000	5.00	15.485	11.30	125.7	0.0	490.7
120.00		1.00	1.32	10.200	11.22	201.97	0.730	0.000	5.00	14.995	10.95	122.8	0.0	475.1
123.00	Appurtenance(s)	1.00	1.32	10.253	11.28	198.47	0.730	0.000	3.00	8.762	6.40	72.1	0.0	277.6
125.00		1.00	1.33	10.288	11.32	196.11	0.730	0.000	2.00	5.744	4.19	47.4	0.0	181.9
127.92	Bot - Section 4	1.00	1.33	10.338	11.37	192.66	0.730	0.000	2.92	8.236	6.01	68.4	0.0	260.8
130.00		1.00	1.34	10.373	11.41	190.17	0.730	0.000	2.08	5.847	4.27	48.7	0.0	322.2
131.00	Appurtenance(s)	1.00	1.34	10.390	11.43	188.97	0.730	0.000	1.00	2.776	2.03	23.2	0.0	153.0
132.08	Top - Section 3	1.00	1.34	10.408	11.45	187.67	0.730	0.000	1.08	2.986	2.18	25.0	0.0	164.5
135.00		1.00	1.35	10.456	11.50	186.34	0.730	0.000	2.92	7.924	5.78	66.5	0.0	188.5
140.00	Appurtenance(s)	1.00	1.36	10.536	11.59	180.24	0.730	0.000	5.00	13.196	9.63	111.6	0.0	313.9
145.00		1.00	1.37	10.614	11.68	174.07	0.730	0.000	5.00	12.707	9.28	108.3	0.0	302.2
150.00	Appurtenance(s)	1.00	1.38	10.690	11.76	167.84	0.730	0.000	5.00	12.217	8.92	104.9	0.0	290.5
<b>Totals:</b>									<b>150.00</b>			<b>3,997.3</b>		<b>22,786.2</b>

## Discrete Appurtenance Forces

**Structure:** CT10022-A  
**Site Name:** Simsbury 2, CT  
**Height:** 150.00 (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  
**Topography:** 1

7/13/2023  
 Page: 32



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

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



**Iterations** 21

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	150.00	Ericsson RRUS 4478 B14	3	10.690	11.759	0.60	0.90	2.98	178.20	0.000	0.000	35.10	0.00	0.00
2	150.00	Cci TPA65R-BU6DA-K	1	10.690	11.759	0.65	0.90	8.34	67.50	0.000	0.000	98.07	0.00	0.00
3	150.00	Cci OPA65R-BU6DA	1	10.690	11.759	0.66	0.90	8.35	63.30	0.000	0.000	98.19	0.00	0.00
4	150.00	Cci TPA65R-BU8DA-K	2	10.690	11.759	0.65	0.90	23.16	165.00	0.000	0.000	272.34	0.00	0.00
5	150.00	Cci OPA65R-BU8DA	2	10.690	11.759	0.80	0.90	17.94	138.00	0.000	0.000	210.99	0.00	0.00
6	150.00	Ericsson AIR6449 B77D	3	10.671	11.738	0.77	0.90	9.48	264.00	0.000	-1.250	111.26	0.00	-139.08
7	150.00	Cci DTMABP7819VG12A	6	10.690	11.759	0.60	0.90	4.12	115.20	0.000	0.000	48.50	0.00	0.00
8	150.00	CCI TPX-070821	6	10.690	11.759	0.60	0.90	2.21	57.00	0.000	0.000	25.95	0.00	0.00
9	150.00	Ericsson RRUS32	3	10.690	11.759	0.60	0.90	2.98	231.00	0.000	0.000	35.10	0.00	0.00
10	150.00	Mount Pipes	12	10.690	11.759	0.90	0.90	18.90	459.84	0.000	0.000	222.25	0.00	0.00
11	150.00	LMU Antenna unknown	1	10.690	11.759	0.60	0.90	0.08	1.50	0.000	0.000	0.92	0.00	0.00
12	150.00	Ericsson RRUS 8843 B2	3	10.690	11.759	0.60	0.90	2.97	216.00	0.000	0.000	34.89	0.00	0.00
13	150.00	Ring Mount	2	10.690	11.759	1.00	1.00	4.00	528.70	0.000	0.000	47.04	0.00	0.00
14	150.00	SitePro1 VFA14-H10-2120	3	10.690	11.759	0.75	0.75	32.40	2016.00	0.000	0.000	381.00	0.00	0.00
15	150.00	Ericsson RRUS 4449	3	10.690	11.759	0.60	0.90	3.56	213.00	0.000	0.000	41.91	0.00	0.00
16	150.00	Raycap	1	10.690	11.759	0.90	0.90	1.03	26.20	0.000	0.000	12.06	0.00	0.00
17	150.00	Raycap DC6-48-60-18-8F	2	10.690	11.759	0.90	0.90	1.66	63.60	0.000	0.000	19.47	0.00	0.00
18	150.00	CSS DBC-750	3	10.690	11.759	0.60	0.90	0.92	14.40	0.000	0.000	10.85	0.00	0.00
19	150.00	Commscope	3	10.690	11.759	0.60	0.90	0.09	3.30	0.000	0.000	1.06	0.00	0.00
20	140.00	Andrew SBNHH-1D65B	6	10.536	11.590	0.62	0.75	30.48	240.00	0.000	0.000	353.22	0.00	0.00
21	140.00	CBRS RRH - RT4401-	3	10.536	11.590	0.38	0.75	1.11	55.92	0.000	0.000	12.91	0.00	0.00
22	140.00	Samsung MT6407-77A	3	10.536	11.590	0.52	0.75	7.40	261.30	0.000	0.000	85.79	0.00	0.00
23	140.00	Antel BXA-70080/4CF	3	10.536	11.590	0.66	0.75	7.05	36.00	0.000	0.000	81.69	0.00	0.00
24	140.00	B5/B13 RRHBR04C	3	10.536	11.590	0.38	0.75	2.11	219.90	0.000	0.000	24.51	0.00	0.00
25	140.00	XXDWM-12.5-65-8T-CB	3	10.536	11.590	0.38	0.75	1.00	69.30	0.000	0.000	11.60	0.00	0.00
26	140.00	B2/B66A RRHBR049	3	10.536	11.590	0.38	0.75	2.11	253.20	0.000	0.000	24.51	0.00	0.00
27	140.00	RVZDC-6627-PF48	2	10.536	11.590	0.94	1.00	7.63	64.00	0.000	0.000	88.46	0.00	0.00
28	140.00	Platform w/ HRK Handrail	1	10.536	11.590	0.67	0.67	17.80	1709.10	0.000	0.000	206.24	0.00	0.00
29	140.00	BSF0020F3V1-1	2	10.536	11.590	0.62	0.75	1.20	35.20	0.000	0.000	13.85	0.00	0.00
30	131.00	APXVAALL24-43-U-NA20	3	10.390	11.429	0.52	0.75	31.88	368.40	0.000	0.000	364.32	0.00	0.00
31	131.00	AIR6449 B41	3	10.390	11.429	0.53	0.75	9.03	309.00	0.000	0.000	103.15	0.00	0.00
32	131.00	AIR32	3	10.390	11.429	0.65	0.75	12.74	396.60	0.000	0.000	145.64	0.00	0.00
33	131.00	KRY 112 144-1 Double	3	10.390	11.429	0.38	0.75	0.46	33.00	0.000	0.000	5.27	0.00	0.00
34	131.00	ATMAA1412D-1A20 TMA	3	10.390	11.429	0.38	0.75	1.32	39.00	0.000	0.000	15.04	0.00	0.00
35	131.00	SDX1926Q-43 Diplexer	3	10.390	11.429	0.38	0.75	0.33	18.00	0.000	0.000	3.73	0.00	0.00
36	131.00	Radio 4449 B71+B85	3	10.390	11.429	0.38	0.75	2.22	219.60	0.000	0.000	25.33	0.00	0.00
37	131.00	Ericsson 4415 B25	3	10.390	11.429	0.38	0.75	1.84	138.00	0.000	0.000	21.09	0.00	0.00
38	131.00	Bias-T 782 11056	3	10.390	11.429	0.38	0.75	0.15	4.50	0.000	0.000	1.67	0.00	0.00
39	131.00	Sitepro1 RMQP-4096-HK	1	10.390	11.429	0.67	0.67	23.14	1945.00	0.000	0.000	264.48	0.00	0.00
40	131.00	Mount Pipes	12	10.390	11.429	0.75	0.75	12.87	459.84	0.000	0.000	147.09	0.00	0.00
41	123.00	APXVSP18-C-A20	2	10.253	11.278	0.62	0.75	9.98	114.00	0.000	0.000	112.61	0.00	0.00
42	123.00	APXVTM14-C-I20	3	10.253	11.278	0.59	0.75	11.27	165.00	0.000	0.000	127.10	0.00	0.00
43	123.00	ALU - TD-RRH8x20-25 -	3	10.253	11.278	0.38	0.75	4.56	210.00	0.000	0.000	51.39	0.00	0.00
44	123.00	Platform w/ HRK Handrail	1	10.253	11.278	0.67	0.67	17.80	1709.10	0.000	0.000	200.69	0.00	0.00
45	123.00	RFS - ACU-A20-N - RET	4	10.253	11.278	0.38	0.75	0.21	4.00	0.000	0.000	2.37	0.00	0.00
46	123.00	ALU - 1900 MHz RRH -	3	10.253	11.278	0.38	0.75	3.05	180.00	0.000	0.000	34.38	0.00	0.00
47	123.00	APXVSP18-C-A20 (50	1	10.253	11.278	0.75	0.75	6.01	50.00	0.000	0.000	67.84	0.00	0.00

## Discrete Appurtenance Forces

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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> 33



48	123.00	ALU - 800 MHz Filter	3	10.253	11.278	0.50	0.75	1.18	26.40	0.000	0.000	13.26	0.00	0.00	
49	123.00	ALU - 800 MHz RRH -	3	10.253	11.278	0.38	0.75	2.80	159.00	0.000	0.000	31.59	0.00	0.00	
50	110.00	MC-PK8-DSH	1	10.014	11.016	0.67	0.67	22.93	1736.00	0.000	0.000	252.64	0.00	0.00	
51	110.00	Fujitsu TA08025-B605	3	10.014	11.016	0.38	0.75	2.21	225.00	0.000	0.000	24.29	0.00	0.00	
52	110.00	JMA Wireless	3	10.014	11.016	0.55	0.75	20.80	193.50	0.000	0.000	229.08	0.00	0.00	
53	110.00	Raycap	1	10.014	11.016	0.75	0.75	1.51	21.90	0.000	0.000	16.61	0.00	0.00	
54	110.00	Fujitsu TA08025-B604	3	10.014	11.016	0.38	0.75	2.21	191.70	0.000	0.000	24.29	0.00	0.00	
<b>Totals:</b>									<b>16,682.20</b>						<b>4,894.67</b>

## Total Applied Force Summary

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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:** 1.0D + 1.0W 60 mph Wind

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



**Iterations**    21

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
1.00		27.50	248.04	0.00	0.00
5.00		108.95	984.37	0.00	0.00
10.00		133.85	1212.89	0.00	0.00
15.00		131.26	1193.37	0.00	0.00
18.00		80.44	706.65	0.00	0.00
20.00		54.28	467.20	0.00	0.00
25.00		140.21	1154.33	0.00	0.00
30.00		142.70	1134.81	0.00	0.00
35.00		144.32	1115.29	0.00	0.00
40.00		145.25	1095.77	0.00	0.00
41.50		43.29	324.93	0.00	0.00
45.00		102.84	1363.30	0.00	0.00
48.00		88.06	1153.31	0.00	0.00
50.00		58.55	424.57	0.00	0.00
55.00		146.96	1047.76	0.00	0.00
60.00		146.21	1028.24	0.00	0.00
65.00		145.17	1008.72	0.00	0.00
70.00		143.88	989.20	0.00	0.00
75.00		142.35	969.68	0.00	0.00
80.00		140.62	950.16	0.00	0.00
84.08		113.29	761.48	0.00	0.00
85.00		25.44	275.13	0.00	0.00
89.50		124.43	1333.50	0.00	0.00
90.00		13.65	77.14	0.00	0.00
95.00		136.00	762.80	0.00	0.00
100.00		133.62	747.18	0.00	0.00
105.00		131.10	731.57	0.00	0.00
110.00	(11) attachments	675.36	3084.05	0.00	0.00
115.00		125.69	695.34	0.00	0.00
120.00		122.81	679.72	0.00	0.00
123.00	(23) attachments	713.36	3017.84	0.00	0.00
125.00		47.45	256.14	0.00	0.00
127.92		68.37	369.05	0.00	0.00
130.00		48.70	399.48	0.00	0.00
131.00	(40) attachments	1119.96	4121.01	0.00	0.00
132.08		24.95	194.34	0.00	0.00
135.00		66.53	268.93	0.00	0.00
140.00	(29) attachments	1014.44	3395.67	0.00	0.00
145.00		108.30	365.84	0.00	0.00
150.00	(60) attachments	1811.82	5175.87	0.00	-139.08
	Totals:	8,891.97	45,284.66	0.00	-139.08

## Linear Appurtenance Segment Forces (Factored)

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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

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



**Iterations** 21

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
1.00	1.60" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.046	0.000	6.592	0.00	1.00
1.00	1.25" Reinforcing	Yes	1.00	0.000	1.25	0.10	0.00	0.046	0.000	6.592	0.00	0.00
5.00	1.60" Hybrid	Yes	4.00	0.000	1.60	0.53	0.00	0.046	0.000	6.592	0.00	4.00
5.00	1.25" Reinforcing	Yes	4.00	0.000	1.25	0.42	0.00	0.046	0.000	6.592	0.00	0.00
10.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.047	0.000	6.592	0.00	5.00
10.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	0.52	0.00	0.047	0.000	6.592	0.00	0.00
15.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.048	0.000	6.592	0.00	5.00
15.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	0.52	0.00	0.048	0.000	6.592	0.00	0.00
18.00	1.60" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.049	0.000	6.841	0.00	3.00
18.00	1.25" Reinforcing	Yes	3.00	0.000	1.25	0.31	0.00	0.049	0.000	6.841	0.00	0.00
20.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.049	0.000	6.995	0.00	2.00
20.00	1.25" Reinforcing	Yes	2.00	0.000	1.25	0.21	0.00	0.049	0.000	6.995	0.00	0.00
25.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.028	0.000	7.331	0.00	5.00
30.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	7.618	0.00	5.00
35.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	7.869	0.00	5.00
40.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.030	0.000	8.093	0.00	5.00
41.50	1.60" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.030	0.000	8.156	0.00	1.50
45.00	1.60" Hybrid	Yes	3.50	0.000	1.60	0.47	0.00	0.031	0.000	8.297	0.00	3.50
48.00	1.60" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.031	0.000	8.410	0.00	3.00
50.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.031	0.000	8.483	0.00	2.00
55.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	8.655	0.00	5.00
60.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	8.815	0.00	5.00
65.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.033	0.000	8.964	0.00	5.00
70.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.034	0.000	9.105	0.00	5.00
75.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.035	0.000	9.239	0.00	5.00
80.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.036	0.000	9.365	0.00	5.00
84.08	1.60" Hybrid	Yes	4.08	0.000	1.60	0.54	0.00	0.037	0.000	9.464	0.00	4.08
85.00	1.60" Hybrid	Yes	0.92	0.000	1.60	0.12	0.00	0.037	0.000	9.485	0.00	0.92
89.50	1.60" Hybrid	Yes	4.50	0.000	1.60	0.60	0.00	0.038	0.000	9.589	0.00	4.50
90.00	1.60" Hybrid	Yes	0.50	0.000	1.60	0.07	0.00	0.038	0.000	9.600	0.00	0.50
95.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.038	0.000	9.710	0.00	5.00
100.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.039	0.000	9.815	0.00	5.00
105.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.040	0.000	9.917	0.00	5.00
110.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.042	0.000	10.014	0.00	5.00
<b>Totals:</b>											<b>0.0</b>	<b>110.0</b>



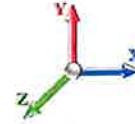
## Calculated Forces

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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



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

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



**Iterations** 21

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-45.28	-8.89	0.00	-999.22	0.00	999.22	3399.80	1065.08	5407.03	4291.98	0.00	0.000	0.000	0.200
1.00	-45.03	-8.88	0.00	-990.33	0.00	990.33	3395.30	1061.05	5366.22	4270.01	0.00	-0.008	0.000	0.188
5.00	-44.04	-8.80	0.00	-954.80	0.00	954.80	3376.67	1044.94	5204.52	4181.78	0.02	-0.038	0.000	0.185
10.00	-42.82	-8.69	0.00	-910.81	0.00	910.81	3351.95	1024.81	5005.88	4070.76	0.08	-0.076	0.000	0.180
15.00	-41.63	-8.58	0.00	-867.35	0.00	867.35	3325.64	1004.67	4811.11	3959.04	0.18	-0.113	0.000	0.175
18.00	-40.92	-8.51	0.00	-841.61	0.00	841.61	3309.09	992.59	4696.10	3891.71	0.26	-0.136	0.000	0.173
18.00	-40.92	-8.51	0.00	-841.61	0.00	841.61	3309.09	992.59	4696.10	3891.71	0.26	-0.136	0.000	0.173
20.00	-40.45	-8.48	0.00	-824.59	0.00	824.59	3297.75	984.54	4620.20	3846.73	0.32	-0.152	0.000	0.227
25.00	-39.28	-8.37	0.00	-782.19	0.00	782.19	3268.27	964.40	4433.15	3733.95	0.51	-0.202	0.000	0.222
30.00	-38.14	-8.26	0.00	-740.33	0.00	740.33	3237.21	944.27	4249.97	3620.81	0.74	-0.253	0.000	0.216
35.00	-37.02	-8.14	0.00	-699.05	0.00	699.05	3204.56	924.13	4070.66	3507.42	1.04	-0.304	0.000	0.211
40.00	-35.92	-8.01	0.00	-658.34	0.00	658.34	3170.32	904.00	3895.21	3393.91	1.38	-0.356	0.000	0.205
41.50	-35.59	-7.98	0.00	-646.32	0.00	646.32	3159.75	897.96	3843.32	3359.85	1.50	-0.371	0.000	0.204
45.00	-34.23	-7.89	0.00	-618.39	0.00	618.39	3134.51	883.86	3723.62	3280.38	1.78	-0.408	0.000	0.200
48.00	-33.07	-7.81	0.00	-594.72	0.00	594.72	3132.32	882.66	3713.50	3273.60	2.05	-0.440	0.000	0.192
50.00	-32.64	-7.77	0.00	-579.10	0.00	579.10	3117.51	874.61	3646.04	3228.22	2.24	-0.461	0.000	0.190
55.00	-31.59	-7.64	0.00	-540.27	0.00	540.27	3079.38	854.47	3480.10	3114.86	2.75	-0.511	0.000	0.184
60.00	-30.55	-7.51	0.00	-502.08	0.00	502.08	3039.66	834.34	3318.02	3001.78	3.31	-0.561	0.000	0.177
65.00	-29.54	-7.38	0.00	-464.53	0.00	464.53	2998.35	814.20	3159.80	2889.07	3.93	-0.611	0.000	0.171
70.00	-28.55	-7.25	0.00	-427.63	0.00	427.63	2955.47	794.07	3005.45	2776.85	4.59	-0.660	0.000	0.164
75.00	-27.57	-7.12	0.00	-391.39	0.00	391.39	2910.99	773.93	2854.97	2665.24	5.31	-0.709	0.000	0.156
80.00	-26.62	-6.99	0.00	-355.79	0.00	355.79	2864.93	753.80	2708.35	2554.35	6.08	-0.757	0.000	0.149
84.08	-25.86	-6.87	0.00	-327.27	0.00	327.27	2826.14	737.35	2591.47	2464.40	6.75	-0.796	0.000	0.142
85.00	-25.58	-6.86	0.00	-320.96	0.00	320.96	2817.29	733.66	2565.59	2444.29	6.90	-0.805	0.000	0.140
89.50	-24.24	-6.72	0.00	-290.11	0.00	290.11	2031.97	580.27	2006.13	1745.38	7.68	-0.847	0.000	0.178
90.00	-24.16	-6.72	0.00	-286.75	0.00	286.75	2029.17	578.65	1995.01	1738.11	7.77	-0.852	0.000	0.177
95.00	-23.40	-6.59	0.00	-253.16	0.00	253.16	2000.37	562.55	1885.48	1665.46	8.69	-0.905	0.000	0.164
100.00	-22.65	-6.47	0.00	-220.19	0.00	220.19	1969.98	546.44	1779.05	1592.91	9.67	-0.956	0.000	0.150
105.00	-21.91	-6.34	0.00	-187.86	0.00	187.86	1938.01	530.33	1675.71	1520.56	10.69	-1.004	0.000	0.135
110.00	-18.84	-5.62	0.00	-156.16	0.00	156.16	1904.45	514.22	1575.46	1448.55	11.77	-1.048	0.000	0.118
115.00	-18.14	-5.50	0.00	-128.03	0.00	128.03	1869.30	498.11	1478.31	1376.98	12.89	-1.088	0.000	0.103
120.00	-17.46	-5.37	0.00	-100.55	0.00	100.55	1832.57	482.01	1384.24	1305.97	14.05	-1.124	0.000	0.087
123.00	-14.46	-4.60	0.00	-84.44	0.00	84.44	1809.77	472.34	1329.29	1263.68	14.76	-1.143	0.000	0.075
125.00	-14.20	-4.55	0.00	-75.24	0.00	75.24	1794.25	465.90	1293.27	1235.63	15.24	-1.154	0.000	0.069
127.92	-13.83	-4.48	0.00	-61.96	0.00	61.96	1771.17	456.50	1241.63	1194.95	15.95	-1.169	0.000	0.060
130.00	-13.43	-4.42	0.00	-52.63	0.00	52.63	1754.35	449.79	1205.39	1166.07	16.47	-1.179	0.000	0.053
131.00	-9.34	-3.22	0.00	-48.21	0.00	48.21	1746.18	446.57	1188.18	1152.26	16.71	-1.183	0.000	0.047
132.08	-9.14	-3.19	0.00	-44.72	0.00	44.72	1160.51	336.88	901.55	771.77	16.98	-1.188	0.000	0.066
135.00	-8.87	-3.12	0.00	-35.41	0.00	35.41	1148.85	329.83	864.23	747.94	17.71	-1.198	0.000	0.055
140.00	-5.50	-2.04	0.00	-19.80	0.00	19.80	1127.62	317.75	802.08	707.07	18.98	-1.215	0.000	0.033
145.00	-5.14	-1.92	0.00	-9.61	0.00	9.61	1104.80	305.67	742.25	666.26	20.25	-1.224	0.000	0.019
150.00	0.00	-1.81	0.00	0.00	0.00	0.00	1080.40	293.59	684.73	625.63	21.54	-1.228	0.000	0.000

## Final Analysis Summary

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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



### 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 116 mph Wind	37.2	0.00	54.33	0.00	0.00	4202.82
0.9D + 1.0W 116 mph Wind	37.2	0.00	40.74	0.00	0.00	4153.18
1.2D + 1.0Di + 1.0Wi 50 mph Wind	10.9	0.00	65.31	0.00	0.00	1194.62
1.2D + 1.0Ev + 1.0Eh	0.7	0.00	56.09	0.00	0.00	102.03
0.9D + 1.0Ev + 1.0Eh	0.7	0.00	42.43	0.00	0.00	101.04
1.0D + 1.0W 60 mph Wind	8.9	0.00	45.28	0.00	0.00	999.22

### 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 116 mph Wind	-48.11	-35.54	0.00	-3472.2	0.00	-3472.2	3297.75	984.54	4620.20	3846.73	20.00	0.919
0.9D + 1.0W 116 mph Wind	-35.97	-35.37	0.00	-3424.0	0.00	-3424.0	3297.75	984.54	4620.20	3846.73	20.00	0.902
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-57.28	-10.37	0.00	-981.01	0.00	-981.01	3297.75	984.54	4620.20	3846.73	20.00	0.273
1.2D + 1.0Ev + 1.0Eh	-50.12	-0.73	0.00	-87.51	0.00	-87.51	3297.75	984.54	4620.20	3846.73	20.00	0.038
0.9D + 1.0Ev + 1.0Eh	-37.93	-0.73	0.00	-86.55	0.00	-86.55	3297.75	984.54	4620.20	3846.73	20.00	0.034
1.0D + 1.0W 60 mph Wind	-40.45	-8.48	0.00	-824.59	0.00	-824.59	3297.75	984.54	4620.20	3846.73	20.00	0.227

### Additional Steel Summary


Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors			Lower Termination				Upper Termination				Max Member			
			VQ/I (lb/in)	Vu (kips)	phi Vn (kips)	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	Pu (kips)	phi Pn (kips)	phi Tn (kips)	Ratio
0.0	1.0	(3) SOL-2 1/4" William R71	224.9	2.70	25.3	210.9	25.3	9	0	302.8	25.3			210.89	459.1	468.91	0.459
1.0	18.0	(3) LNP-LP6X125-B-20T	242.6	5.82	25.3	302.8	25.3			289.3	22.7	13	12	302.79	395.0	365.63	0.828

## Base Plate Summary

<b>Structure:</b> CT10022-A	<b>Code:</b> TIA-222-H	7/13/2023
<b>Site Name:</b> Simsbury 2, CT	<b>Exposure:</b> C	
<b>Height:</b> 150.00 (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

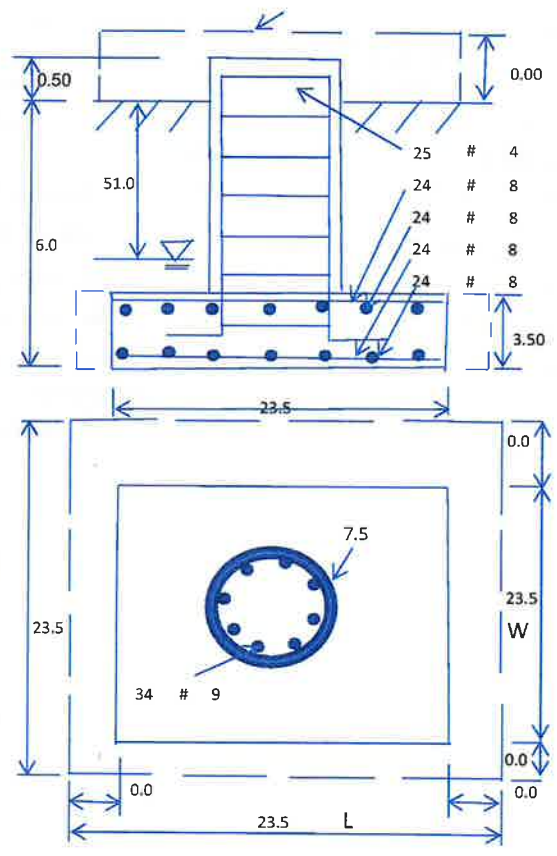


Reactions	Base Plate	Anchor Bolts
Original Design	<b>Yield (ksi):</b> 50.00	<b>Bolt Circle:</b> 67.63
<b>Moment (kip-ft):</b> 3324.00	<b>Width (in):</b> 73.50	<b>Number Bolts:</b> 14.00
<b>Axial (kip):</b> 65.60	<b>Style:</b> Round	<b>Bolt Type:</b> 2.25" 18J
<b>Shear (kip):</b> 26.40	<b>Polygon Sides:</b> 0.00	<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> 4202.82	<b>Effective Len (in):</b> 22.56	<b>Ultimate (ksi):</b> 100.00
<b>Axial (kip):</b> 54.33	<b>Moment (kip-in):</b> 664.94	<b>Arrangement:</b> Radial
<b>Shear (kip):</b> 37.16	<b>Allow Stress (ksi):</b> 67.50	<b>Cluster Dist (in):</b> 0.00
	<b>Applied Stress (ksi):</b> 43.88	<b>Start Angle (deg):</b> 0.00
	<b>Stress Ratio:</b> 0.65	<b>Compression</b>
		<b>Force (kip):</b> 169.81
		<b>Allowable (kip):</b> 268.39
		<b>Ratio:</b> 0.63
		<b>Tension</b>
		<b>Force (kip):</b> 162.05
		<b>Allowable (kip):</b> 243.75
		<b>Ratio:</b> 0.67

	<b>Monopole Mat Foundation Design</b>		Date	
			7/11/2023	
	Customer Name:	Verizon	TIA Standard:	TIA-222-H
	Site Name:		Structure Height (Ft.):	150
	Site Number:	CT10022-A	Engineer Name:	SBA Engineer
Engr. Number:		Engineer Login ID:		

**Foundation Info Obtained from:**

<b>Structure Type:</b>	Monopole		
<b>Analysis or Design?</b>	Analysis		
<b>Base Reactions (Factored):</b>			
Axial Load (Kips):	54.3	Shear Force (Kips):	37.2
Uplift Force (Kips):	0.0	Moment (Kips-ft):	4202.8
<b>Foundation Geometries:</b>			
		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	7.5	Depth of Base BG (ft.):	6.0
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft.):	3.50
Length of Pad (ft.):	23.5	Width of Pad (ft.):	23.5
Final Length of pad (ft)	23.5	Final width of pad (ft):	23.5



**Material Properties and Rebar Info:**

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	9	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	34	Tie Spacing (in):	3.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	8	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	24	Qty. of Rebar in Pad (W):	24	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	24	Qty. of Rebar in Pad (W):	24	

**Soil Design Parameters:**

Soil Unit Weight (pcf):	125.0	Soil Buoyant Weight:	62.6	Pcf
Water Table B.G.S. (ft):	51.0	Unit Weight of Water:	62.4	pcf
Ultimate Bearing Pressure (psf):	14000	Ultimate Skin Friction:	0	Psf
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No	
Consider soil hor. resist. for OTM.:	No	Reduction factor on the maximum soil bearing pressure:	1.00	
		Angle from Top of Pad:		30
		Angle from Bottm of Pad:		25
		Angle from Bottm of Pad:		25

**Foundation Analysis and Design:**

Uplift Strength Reduction Factor:	0.75	Compression Strength Reduction Factor:	0.75
Total Dry Soil Volume (cu. Ft.):	1270.18	Total Dry Soil Weight (Kips):	158.77
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	158.77	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	2065.41	Total Dry Concrete Weight (Kips):	309.81
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	309.81	Total Vertical Load on Base (Kips):	522.91

**Check Soil Capacities:**

Calculated Maxium Net Soil Pressure under the base (psf):	4018	<	Allowable Factored Soil Bearing (psf):	10500	0.38	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	5593.7	>	Design Factored Momont (kips-ft):	4444	0.79	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.26	OK!				

Load/  
Capacity  
Ratio

**Check the capacities of Reinforcing Concrete:**

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

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

Vertical Steel Rebar Area (sq. in./each):	1.00	Tie / Stirrup Area (sq. in./each):	0.20		
Calculated Moment Capacity (Mn,Kips-Ft):	6126.5	> Design Factored Moment (Mu, Kips-Ft)	4314.3	0.70	OK!
Calculated Shear Capacity (Kips):	1098.7	> Design Factored Shear (Kips):	37.2	0.03	OK!
Calculated Tension Capacity (Tn, Kips):	1836.0	> Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	8390.6	> Design Factored Axial Load (Pu Kips):	54.3	0.01	OK!
Moment & Axial Strength Combination:	0.70	OK! Check Tie Spacing (Design/Required):		0.25	OK!
Pier Reinforcement Ratio:	0.005	Reinforcement Ratio is satisfied per ACI			

**(2) Concrete Pad:**

One-Way Design Shear Capacity (L-Direction, Kips):	892.0	> One-Way Factored Shear (L-D. Kips):	244.8	0.27	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	892.0	> One-Way Factored Shear (W-D., Kips)	244.8	0.27	OK!
One-Way Design Shear Capacity (Corner-Corner, Kips):	733.2	> One-Way Factored Shear (C-C, Kips):	240.4	0.33	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct. ):	0.0017	OK! Lower Steel Pad Reinf. Ratio (W-Direc	0.0017		
Lower Steel Pad Moment Capacity (L-Direction, Kips-ft):	3217.3	> Moment at Bottom ( L-Dir. K-Ft):	1276.5	0.40	OK!
Lower Steel Pad Moment Capacity (W-Direction, Kips-ft):	3217.3	> Moment at Bottom ( W-Dir. K-Ft):	1276.5	0.40	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	4522.2	> Moment at Bottom ( C-C Dir. K-Ft):	1805.3	0.40	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct. ):	0.0017	OK! Upper Steel Reinf. Ratio (W-Dir. ):	0.0017		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	3217.3	> Moment at the top (L-Dir K-Ft):	600.5	0.19	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	3217.3	> Moment at the top (W-Dir K-Ft):	600.5	0.19	OK!
Upper Steel Pad Moment Capacity (Corner-Corner, K-ft):	4522.2	> Moment at the top (C-C Dir. K-Ft):	567.0	0.13	OK!

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

Moment transferred by punching shear:	1681.1	k-ft.	Max. factored shear stress $v_{u,CP}$ :	3.3	Psi
Max. factored shear stress $v_{u,AB}$ :	8.7	Psi	Factored shear Strength $\phi v_n$ :	164.3	Psi
Max. factored shear stress $v_u$ :	8.7	Psi	Check Usage of Punching Shear Capacity:	0.05	OK!

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

Overturning moment to be transferred by flexure:	1260.8	k-ft.	Effective Width for resisting OT moment:	18.0	ft.
Calculated number of Rebar in Effective width:	19		Actual number of Rebar in Effective width:	19	
Steel Pad Moment Capacity ( L-Direc. Kips-ft):	2545.3	k-ft.	Check Usage of the Flexure Capacity:	0.50	OK!



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

---

## Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10209321  
Colliers Engineering & Design CT, P.C. Project #: 23777153 (Rev. 1)

September 19, 2023

### Site Information

Site ID: 5000384597-VZW / SIMSBURY CT  
Site Name: SIMSBURY CT  
Carrier Name: Verizon Wireless  
Address: 1 Grist Mill Rd.  
Simsbury, Connecticut 06070  
Hartford County  
Latitude: 41.866709°  
Longitude: -72.815773°

### Structure Information

Tower Type: 150-Ft Monopole  
Mount Type: 15.00-Ft Platform

FUZE ID # 17123879

### Analysis Results

Platform: 92.3% 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.vzsmart.com>

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

Report Prepared By: Andy Hanes



### **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: 675038, Dated August 27, 2021</i>
<i>Mount Mapping Report</i>	<i>RKS Design &amp; Engineering, LLC, Site ID: SBA: CT10022, dated November 9, 2021</i>
<i>Previous Mount Analysis Report</i>	<i>Maser Consulting Connecticut, Project #: 21777087, dated November 19, 2021</i>
<i>Post-Modification Inspection Report</i>	<i>Maser Consulting Connecticut, Project #: 21777087, dated October 21, 2022</i>
<i>Filter Add Scope</i>	<i>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), $V_{ULT}$ : 120 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.50 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, $K_e$ : 0.990
Seismic Parameters:	$S_s$ : 0.177 g $S_1$ : 0.054 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Load, $L_v$ : 250 lbs. Maintenance Load, $L_m$ : 500 lbs.
Analysis Software:	RISA-3D (V17)

**Final Loading Configuration:**

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
138.50	142.00	3	Samsung	MT6407-77A	Retained
	140.00	3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RRFDC-3315-PF-48	
		1	Raycap	RHSDC-3315-PF-48	
		3	Amphenol Antel	BXA-70080-4BF-EDIN	
		6	Andrew	SBNHH-1D65B	
		1	-	GPS	
	2	KAelus	BSF0020F3V1-1	Added	
	138.00	3	Samsung	XXDWMM-12.5-65-8T-CBRS	Retained

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

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

**Standard Conditions:**

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.



5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design CT. P.C. is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
  - o Channel, Solid Round, Angle, Plate      ASTM A36 (Gr. 36)
  - o HSS (Rectangular)                            ASTM 500 (Gr. B-46)
  - o Pipe     ASTM A53 (Gr. B-35)
  - o Threaded Rod                                    F1554 (Gr. 36)
  - o Bolts    ASTM A325

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

**Analysis Results:**

Component	Utilization %	Pass/Fail
Face Horizontal	29.0 %	Pass
Standoff Horizontal	78.0 %	Pass
Corner Plate	29.7 %	Pass
Grating Support	16.1 %	Pass
Mount Pipe	60.0 %	Pass
Support Rail	33.4 %	Pass
Platform Crossmember	38.5 %	Pass
Cross Arm Plate	63.3 %	Pass
Support Rail Angle	34.0 %	Pass
Connection Check	92.3 %	Pass
<b>Structure Rating – (Controlling Utilization of all Components)</b>		<b>92.3%</b>

**BASELINE mount weight per SBA agreement: 2059.85 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	27.9	27.9	40.7	40.7
0.5	36.7	36.7	54.9	54.9
1	45.0	45.0	68.7	68.7

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

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

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 #: 5000384597

SMART Project #: 10207133

Fuze Project ID: 17123879

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

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

#### **Base Requirements:**

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

#### **Photo Requirements:**

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

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

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

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.
  - The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

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

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

**Issue:**

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

**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:	

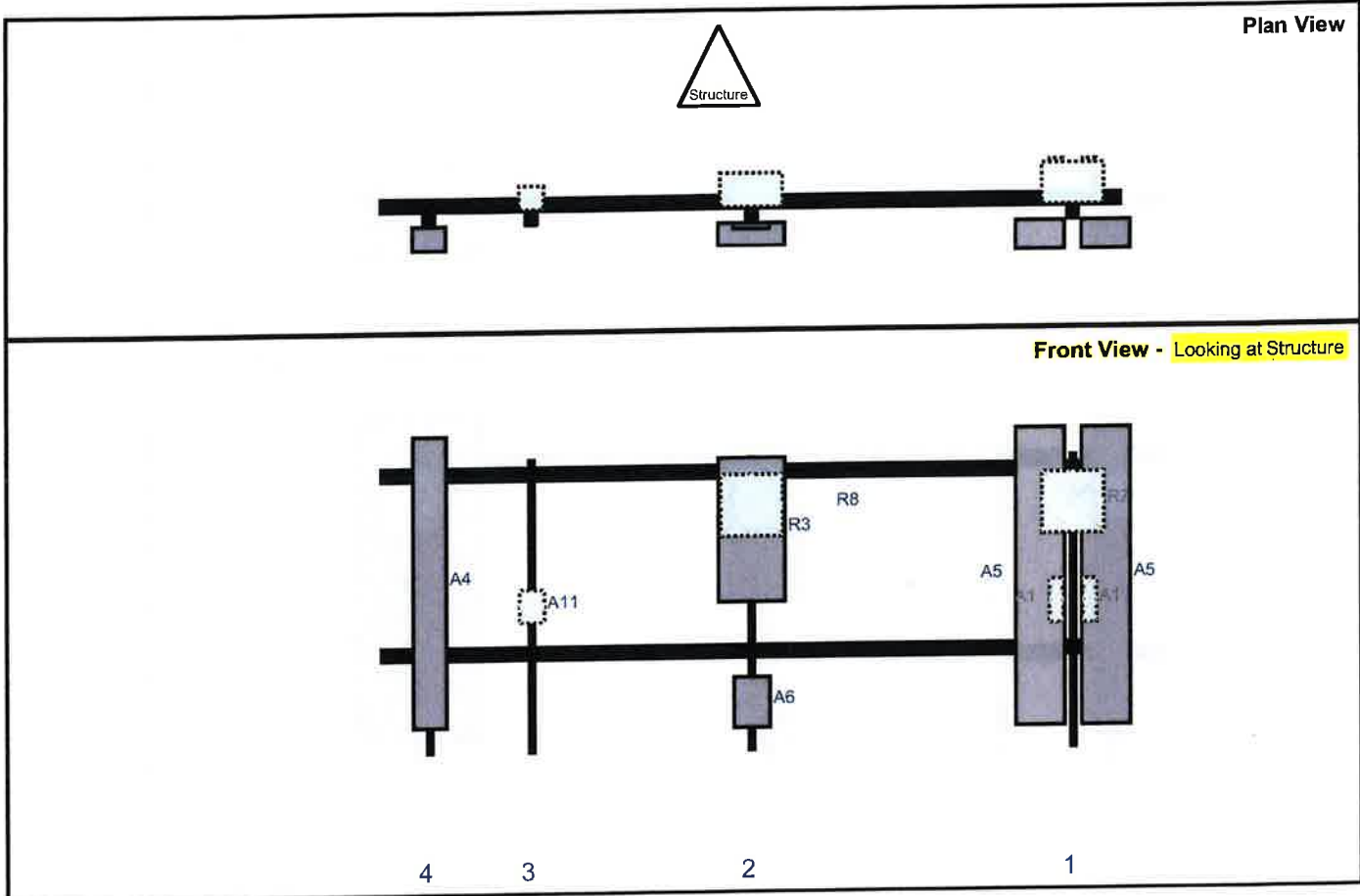
Sector: A  
 Structure Type: Monopole  
 Mount Elev: 138.50

10209321

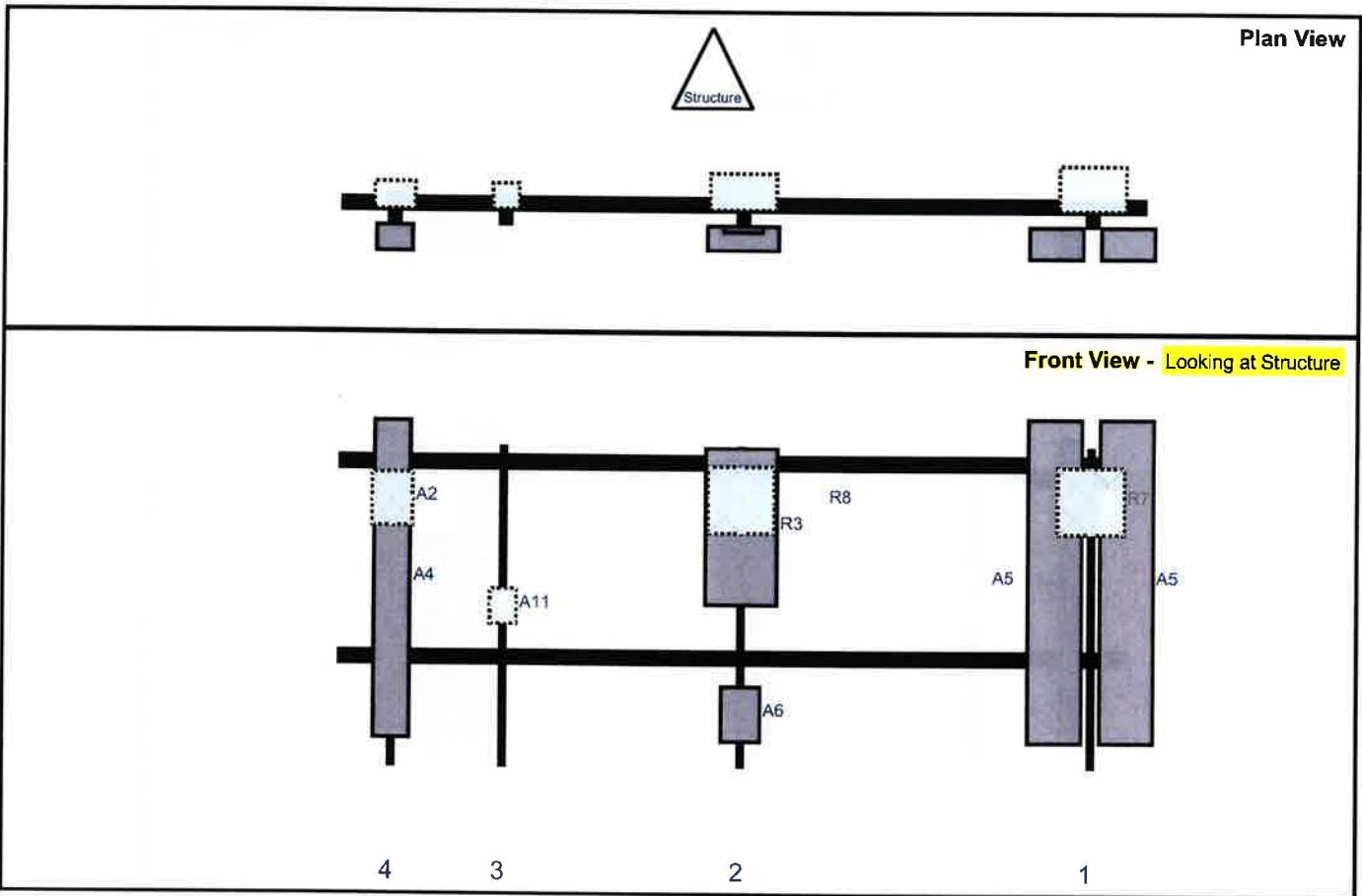
9/19/2023



Page: 1



Reff#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	SBNHH-1D65B	72.6	11.9	168	1	a	Front	30	8	Retained	10/10/2022
A5	SBNHH-1D65B	72.6	11.9	168	1	b	Front	30	-8	Retained	10/10/2022
A1	BSF0020F3V1-1	10.6	3.2	168	1	a	Behind	36	4	Added	
A1	BSF0020F3V1-1	10.6	3.2	168	1	b	Behind	36	-4	Added	
R7	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	168	1	a	Behind	12	0	Retained	10/10/2022
A6	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	90	2	a	Front	60	0	Retained	10/10/2022
R3	MT6407-77A	35.1	16.1	90	2	a	Front	18	0	Retained	10/10/2022
R8	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	90	2	a	Behind	12	0	Retained	10/10/2022
A11	CBC78-DF-2X	7.9	5.9	36.75	3	a	Behind	36	0	Retained	10/10/2022
A4	BXA-70080-4BF-EDIN	71	8	12	4	a	Front	30	0	Retained	10/10/2022
OVP1	RRFDC-3315-PF-48	29.5	16.5			Member				Retained	10/10/2022
OVP2	RHSDC-3315-PF-48	29.5	16.5			Member				Retained	10/10/2022



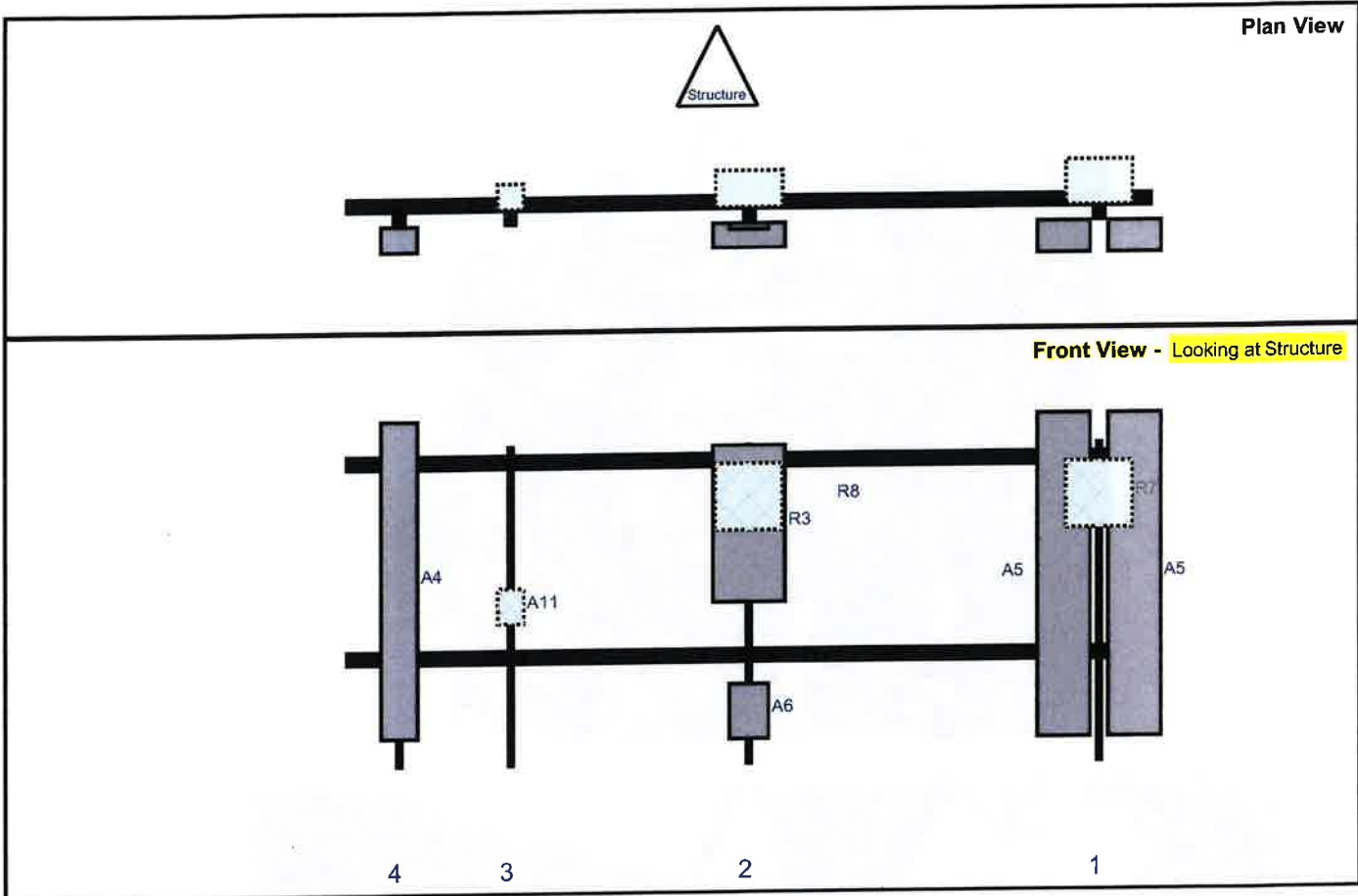
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	SBNHH-1D65B	72.6	11.9	168	1	a	Front	30	8	Retained	10/10/2022
A5	SBNHH-1D65B	72.6	11.9	168	1	b	Front	30	-8	Retained	10/10/2022
R7	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	168	1	a	Behind	12	0	Retained	10/10/2022
A6	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	90	2	a	Front	60	0	Retained	10/10/2022
R3	MT6407-77A	35.1	16.1	90	2	a	Front	18	0	Retained	10/10/2022
R8	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	90	2	a	Behind	12	0	Retained	10/10/2022
A11	CBC78-DF-2X	7.9	5.9	36.75	3	a	Behind	36	0	Retained	10/10/2022
A4	BXA-70080-4BF-EDIN	71	8	12	4	a	Front	30	0	Retained	10/10/2022
A2	GPS	12	9	12	4	a	Behind	12	0	Retained	10/10/2022

Sector: C  
 Structure Type: Monopole  
 Mount Elev: 138.50

10209321

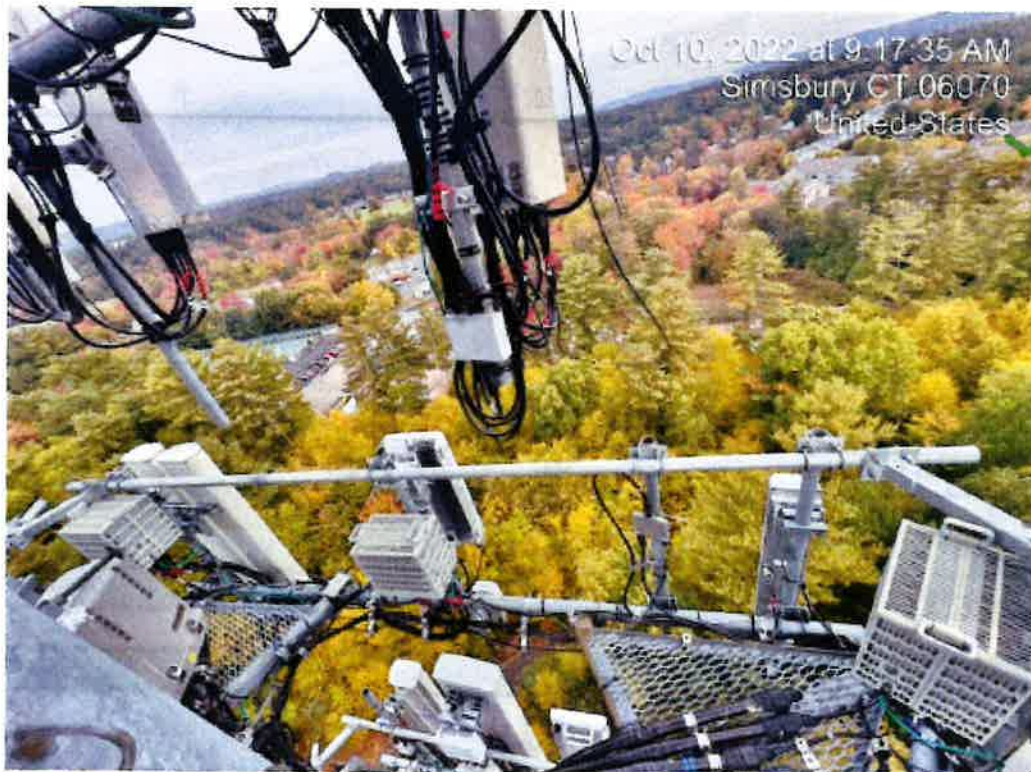
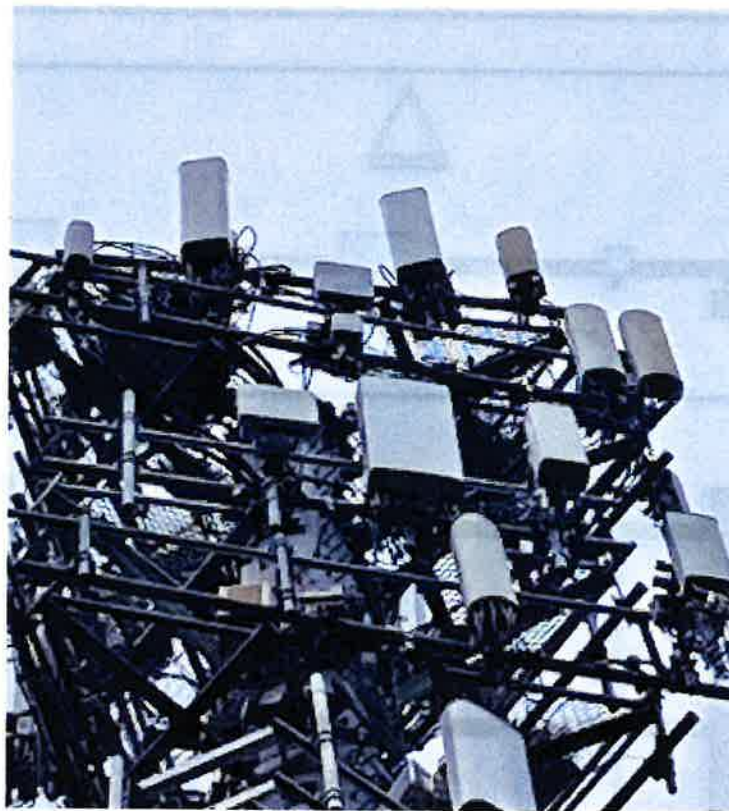
9/19/2023

Page: 3



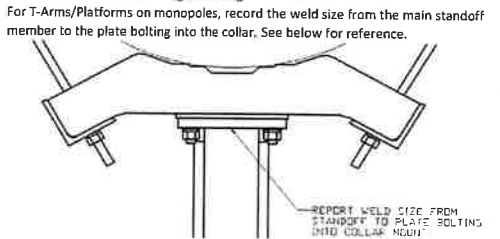
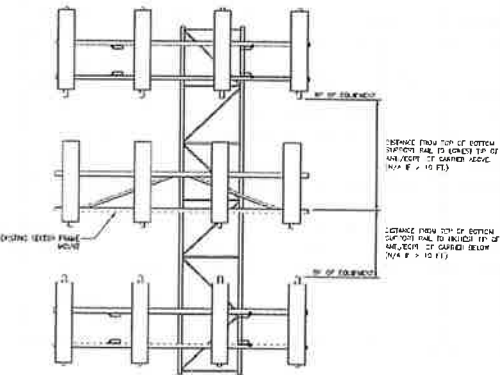
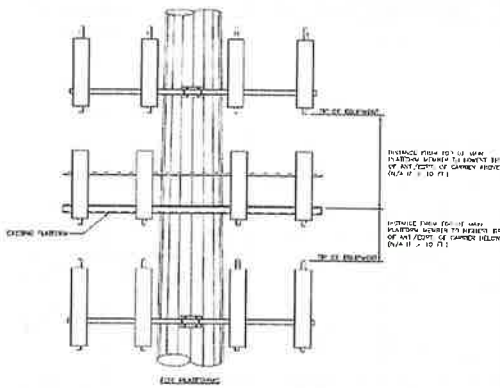
Reff#	Model	Height (in)	Width (in)	H Dist Fm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Fm T.	Ant H Off	Status	Validation
A5	SBNHH-1D65B	72.6	11.9	168	1	a	Front	30	8	Retained	10/10/2022
A5	SBNHH-1D65B	72.6	11.9	168	1	b	Front	30	-8	Retained	10/10/2022
R7	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	168	1	a	Behind	12	0	Retained	10/10/2022
A6	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	90	2	a	Front	60	0	Retained	10/10/2022
R3	MT6407-77A	35.1	18.1	90	2	a	Front	18	0	Retained	10/10/2022
R8	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	90	2	a	Behind	12	0	Retained	10/10/2022
A11	CBC78-DF-2X	7.9	5.9	36.75	3	a	Behind	36	0	Retained	10/10/2022
A4	BXA-70080-4BF-EDIN	71	8	12	4	a	Front	30	0	Retained	10/10/2022







Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector				Sector B																
Sector A:	60.00	Deg	Leg A:		Deg	Ant <sub>1a</sub>	RFV01U-D1A	15.00	10.00	15.00	142.917	15.50	-8.00	32,266										
Sector B:	180.00	Deg	Leg B:		Deg	Ant <sub>1b</sub>	(2)SBNHH-1D65B	12.00	7.00	72.00	141.292	35.00	8.50	180.00										
Sector C:	300.00	Deg	Leg C:		Deg	Ant <sub>1c</sub>																		
Sector D:		Deg	Leg D:		Deg	Ant <sub>2a</sub>	RFV01U-D2A	15.00	8.00	15.00	140.792	41.00	-8.00	32,269										
Climbing Facility Information				Ant <sub>2b</sub>				Ant <sub>2c</sub>																
Location:	120.00	Deg	N/A	Ant <sub>3a</sub>				Ant <sub>3b</sub>																
Climbing Facility	Corrosion Type:	N/A		Ant <sub>3c</sub>				Ant <sub>4a</sub>																
	Access:	Climbing path was unobstructed.		Ant <sub>4b</sub>				Ant <sub>4c</sub>																
	Condition:	Good condition.		Ant <sub>5a</sub>				Ant <sub>5b</sub>																
				Ant <sub>5c</sub>				Ant on Standoff																
				Ant on Tower				Ant on Tower																
Please insert a photo of the mount centerline measurement here.																								
Sector C																								
Ant <sub>1a</sub>				RFV01U-D1A				15.00			10.00			15.00			142.917		15.50		-8.00		40,272	
Ant <sub>1b</sub>				(2)SBNHH-1D65B				12.00			7.00			72.00			141.292		35.00		8.50		300.00	
Ant <sub>1c</sub>																								
Ant <sub>2a</sub>				RFV01U-D2A				15.00			8.00			15.00			140.792		41.00		-8.00		40,273	
Ant <sub>2b</sub>				CBRS				11.50			5.50			16.00			142.958		15.00		8.00		300.00	
Ant <sub>2c</sub>																								
Ant <sub>3a</sub>				FD9R6004/2C-3L				6.50			1.50			6.00			142.542		20.00		-3.00		40,274	
Ant <sub>3b</sub>																								
Ant <sub>3c</sub>																								
Ant <sub>4a</sub>				BXA-70080-4CF-EDIN				8.00			6.00			47.50			140.708		42.00		10.00		300.00	
Ant <sub>4b</sub>																								
Ant <sub>4c</sub>																								
Ant <sub>5a</sub>																								
Ant <sub>5b</sub>																								
Ant <sub>5c</sub>																								
Ant on Standoff				FD9R6004/2C-3L				6.50			1.50			6.00			3.00						40,273	
Ant on Standoff				RH5DC-3315-PF-48				17.50			10.50			25.50			14.00		5.50				40	
Ant on Tower																								
Ant on Tower																								
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>																								
Ant on Standoff																								
Ant on Standoff																								
Ant on Tower																								
Ant on Tower																								



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

REPORT WELD SIZE FROM STANDOFF TO PLATE BOLTING INTO COLLAR HERE.

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	COAX TOTAL (15): (12) FH1-5/8, (1) FH7/8, (2) 1.50"Ø	
2		
3		
4		
5		
6		
7		
8		

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

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

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.



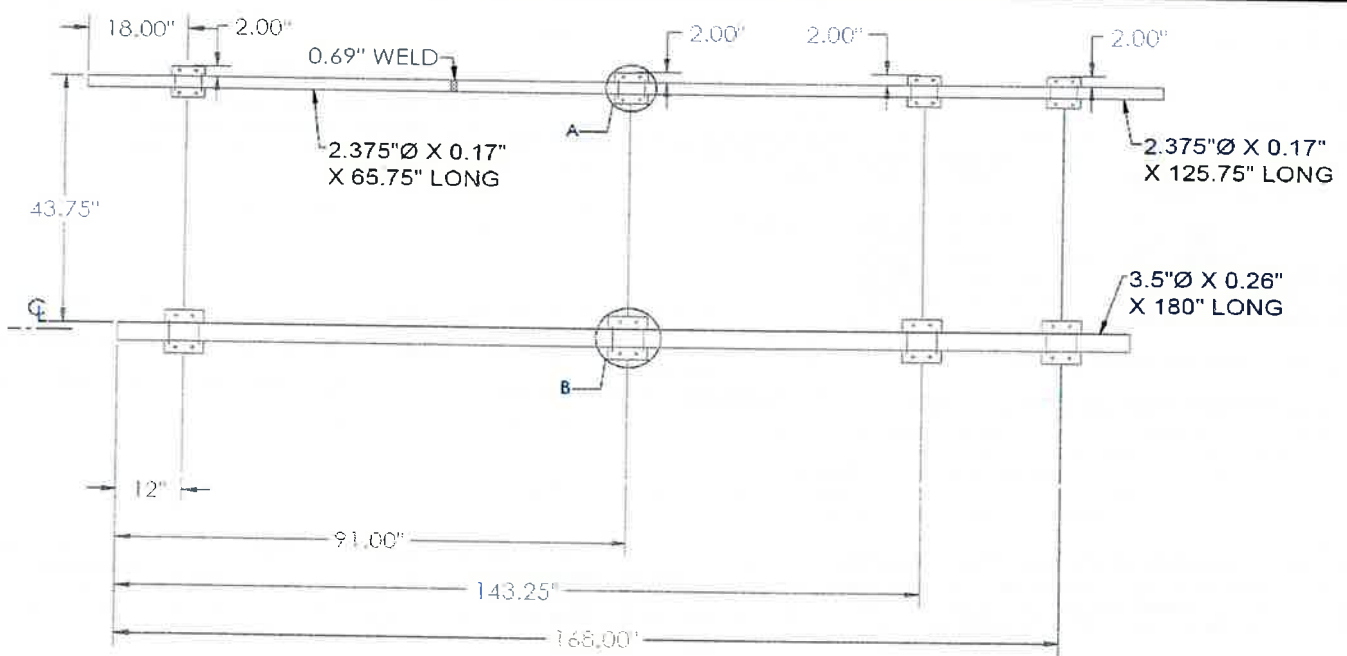
### Antenna Mount Mapping Form (PATENT PENDING)

FCC #  
UNKNOWN

Tower Owner:	SBA	Mapping Date:	11/9/2021
Site Name:	VZW: NE SIMSBURY	Tower Type:	Monopole
Site Number or ID:	SBA: CT10022	Tower Height (FT.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	Mount Elevation (FT.):	140.25

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.

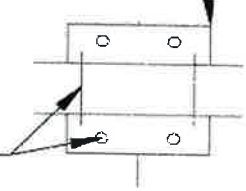
Please Insert Sketches of the Antenna Mount



### SECTOR A & C

PL 6" X 6" X 0.375"

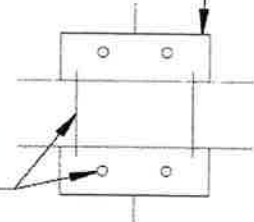
(2)0.5"Ø  
U-BOLT



**DETAIL A**

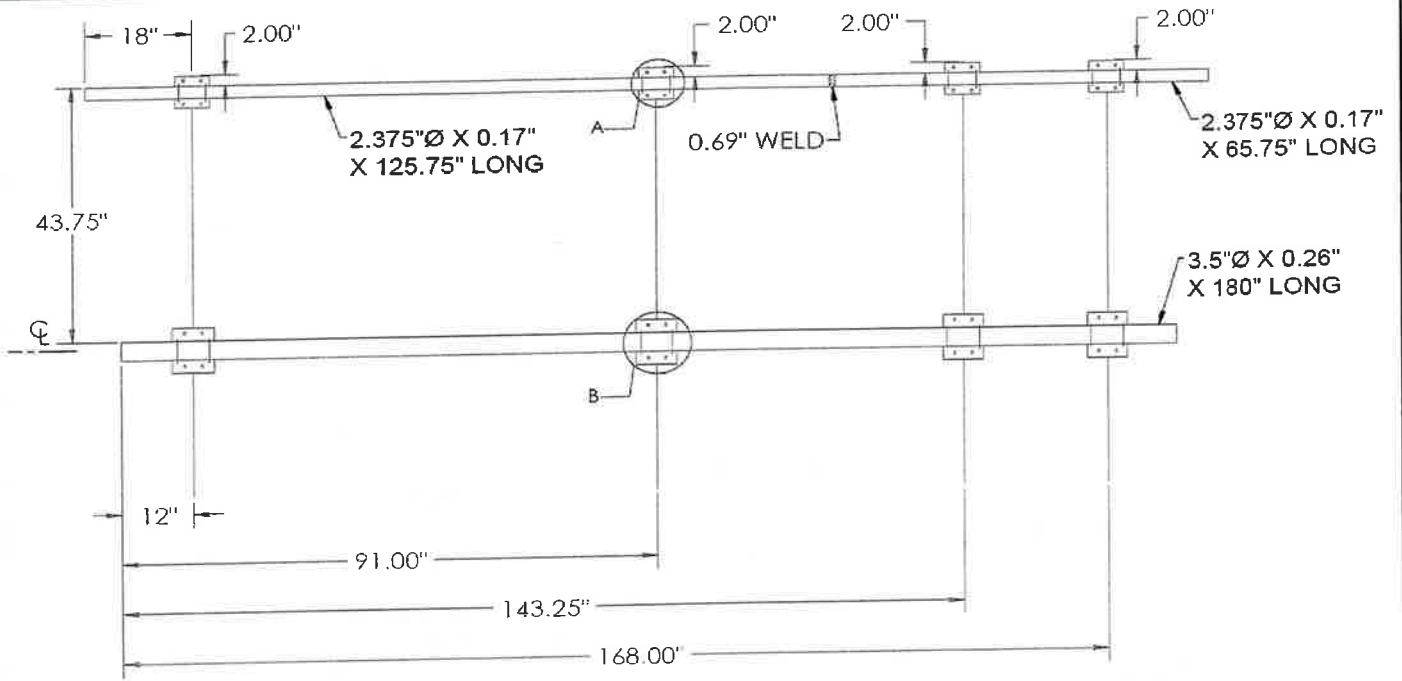
C 6" X 2.5" X 0.31"  
X 8.25" LONG

(2)0.5"Ø  
U-BOLT



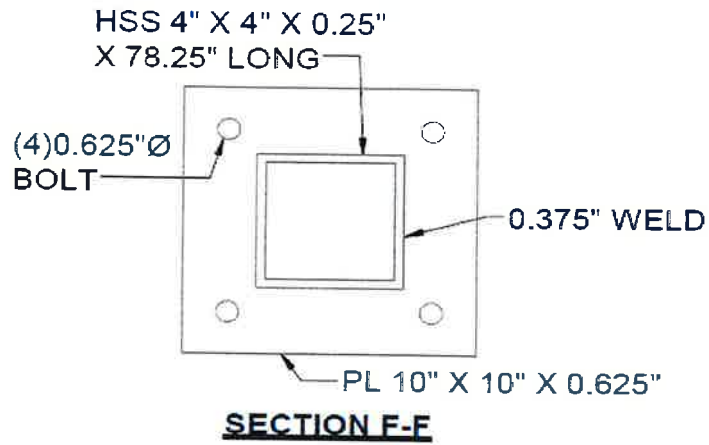
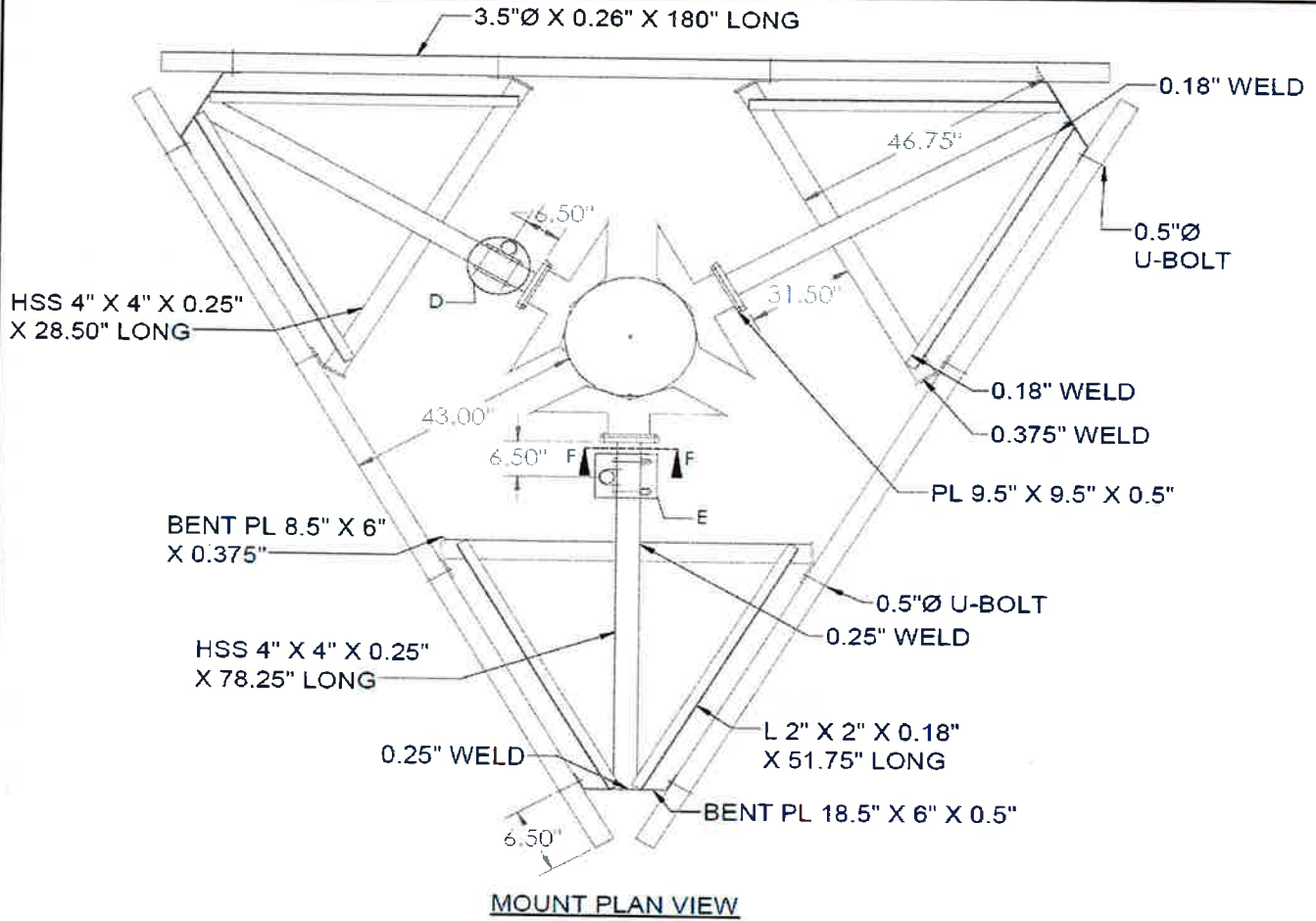
**DETAIL B**

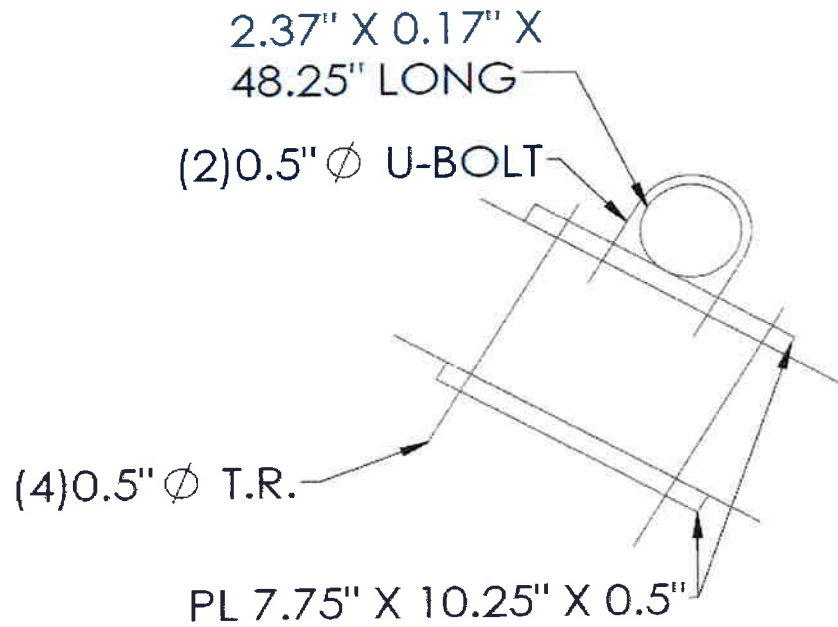
Please Insert Sketches of the Antenna Mount, cont'd



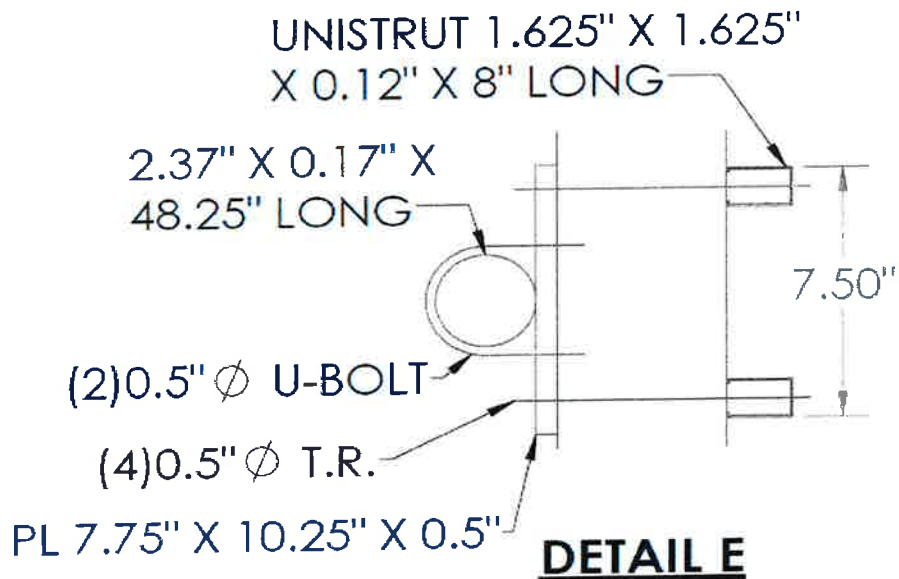
**SECTOR B**

Please Insert Sketches of the Antenna Mount, cont'd





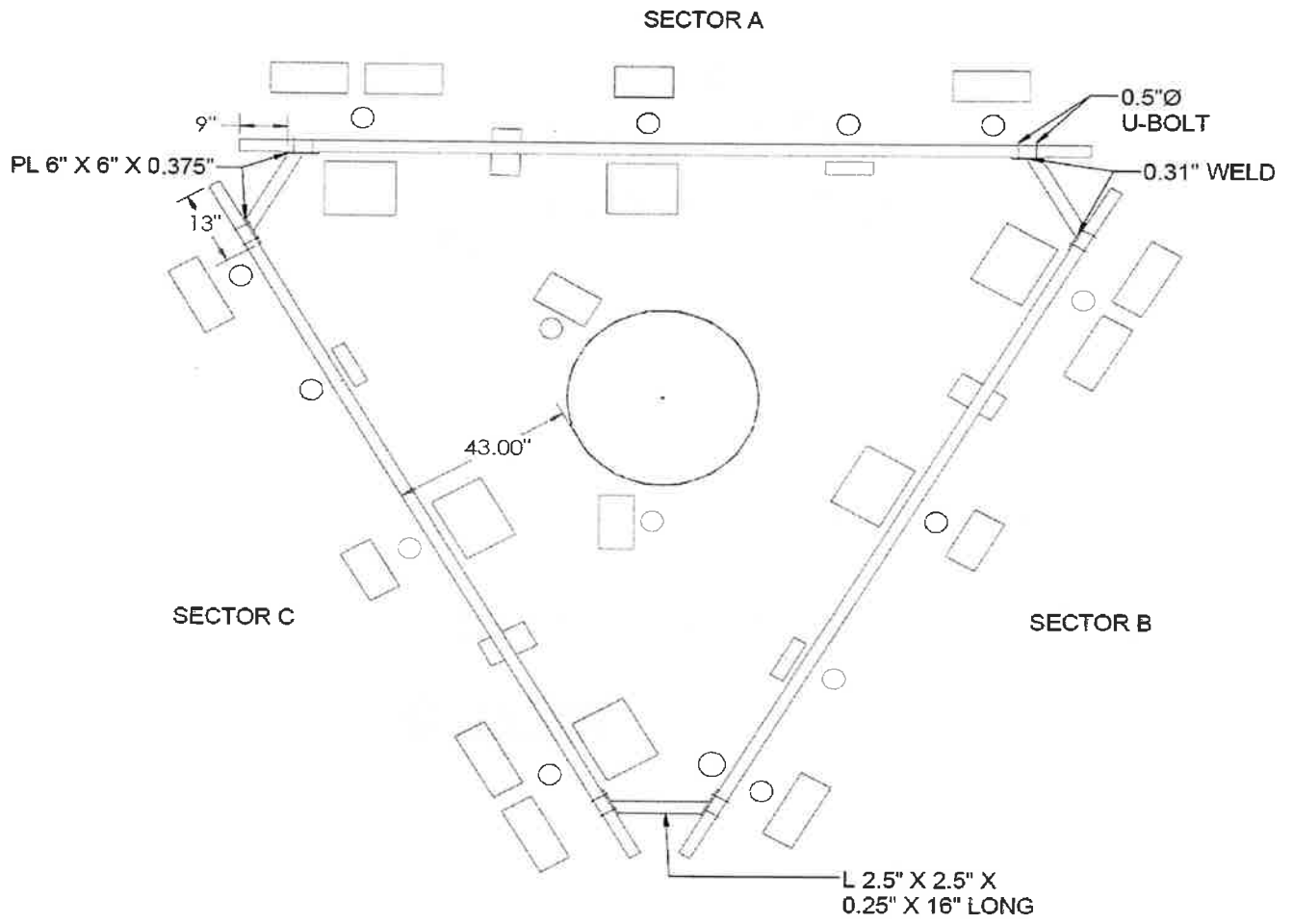
**DETAIL D**



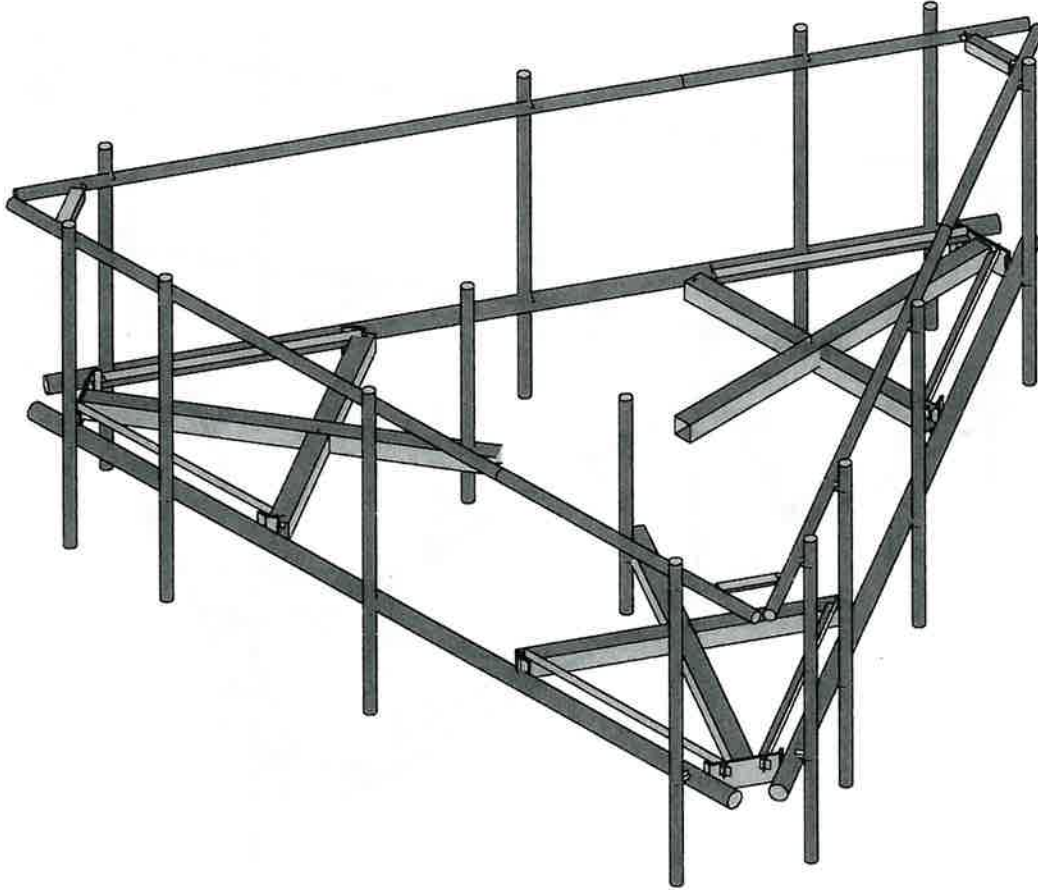
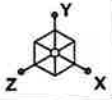
**DETAIL E**



Please Insert Sketches of the Antenna Mount, cont'd



**ANTENNA PLAN VIEW**

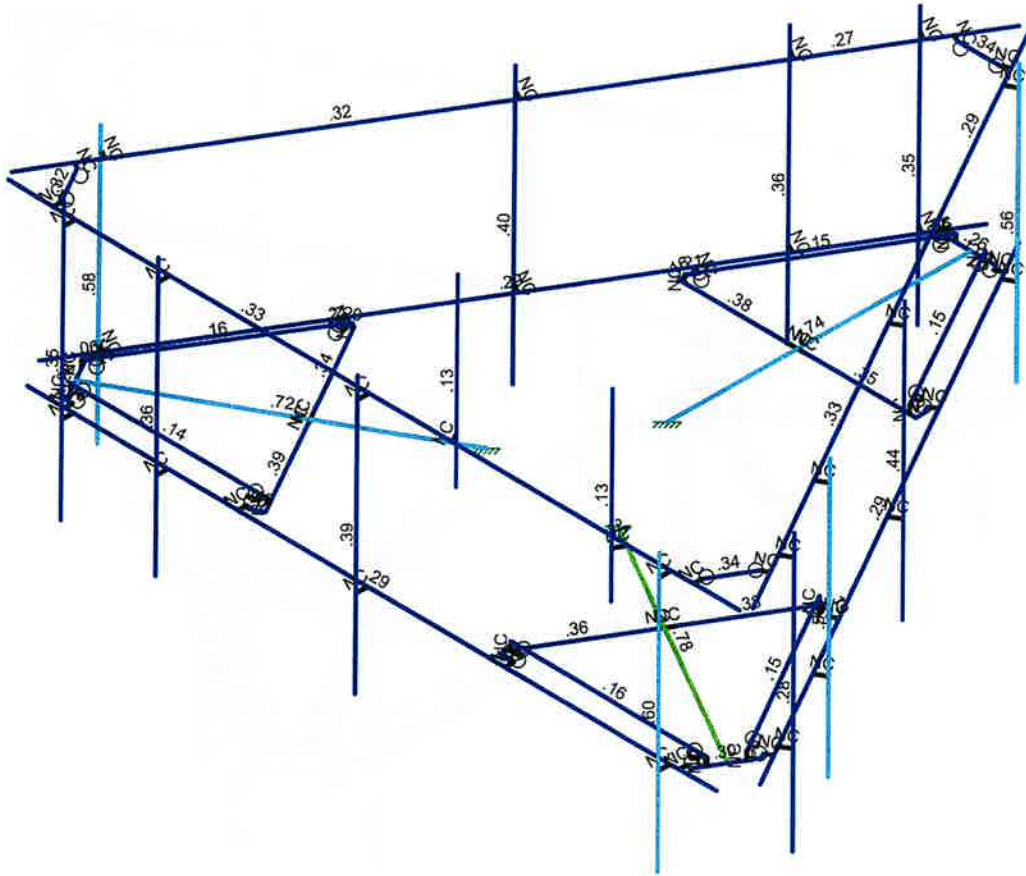
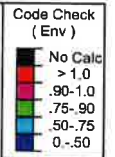
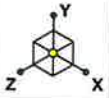


Envelope Only Solution

SK - 1

July 20, 2023 at 12:27 PM

5000384597-VZW\_MT\_LO\_H.r3d

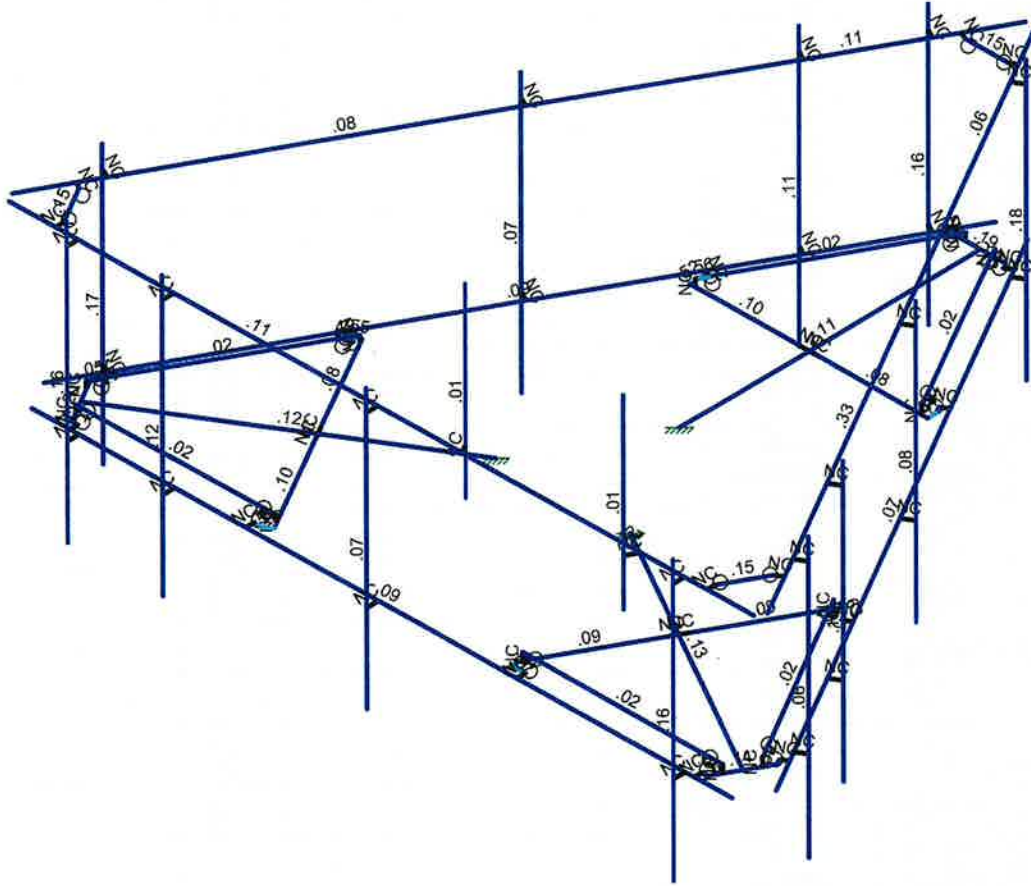
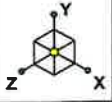
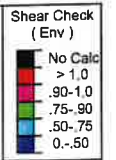


Member Code Checks Displayed (Enveloped)  
Envelope Only Solution

SK - 2

July 20, 2023 at 12:27 PM

5000384597-VZW\_MT\_LO\_H.r3d



Member Shear Checks Displayed (Enveloped)  
Envelope Only Solution

	SK - 3
	July 20, 2023 at 12:27 PM
	5000384597-VZW_MT_LO_H.r3d



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

**Basic Load Cases**

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(...
1	Antenna D	None					123		
2	Antenna Di	None					123		
3	Antenna Wo (0 Deg)	None					123		
4	Antenna Wo (30 Deg)	None					123		
5	Antenna Wo (60 Deg)	None					123		
6	Antenna Wo (90 Deg)	None					123		
7	Antenna Wo (120 Deg)	None					123		
8	Antenna Wo (150 Deg)	None					123		
9	Antenna Wo (180 Deg)	None					123		
10	Antenna Wo (210 Deg)	None					123		
11	Antenna Wo (240 Deg)	None					123		
12	Antenna Wo (270 Deg)	None					123		
13	Antenna Wo (300 Deg)	None					123		
14	Antenna Wo (330 Deg)	None					123		
15	Antenna Wi (0 Deg)	None					123		
16	Antenna Wi (30 Deg)	None					123		
17	Antenna Wi (60 Deg)	None					123		
18	Antenna Wi (90 Deg)	None					123		
19	Antenna Wi (120 Deg)	None					123		
20	Antenna Wi (150 Deg)	None					123		
21	Antenna Wi (180 Deg)	None					123		
22	Antenna Wi (210 Deg)	None					123		
23	Antenna Wi (240 Deg)	None					123		
24	Antenna Wi (270 Deg)	None					123		
25	Antenna Wi (300 Deg)	None					123		
26	Antenna Wi (330 Deg)	None					123		
27	Antenna Wm (0 Deg)	None					123		
28	Antenna Wm (30 Deg)	None					123		
29	Antenna Wm (60 Deg)	None					123		
30	Antenna Wm (90 Deg)	None					123		
31	Antenna Wm (120 Deg)	None					123		
32	Antenna Wm (150 Deg)	None					123		
33	Antenna Wm (180 Deg)	None					123		
34	Antenna Wm (210 Deg)	None					123		
35	Antenna Wm (240 Deg)	None					123		
36	Antenna Wm (270 Deg)	None					123		
37	Antenna Wm (300 Deg)	None					123		
38	Antenna Wm (330 Deg)	None					123		
39	Structure D	None		-1				3	
40	Structure Di	None					62	3	
41	Structure Wo (0 Deg)	None					124		
42	Structure Wo (30 Deg)	None					124		
43	Structure Wo (60 Deg)	None					124		
44	Structure Wo (90 Deg)	None					124		
45	Structure Wo (120 Deg)	None					124		
46	Structure Wo (150 Deg)	None					124		
47	Structure Wo (180 Deg)	None					124		
48	Structure Wo (210 Deg)	None					124		
49	Structure Wo (240 Deg)	None					124		
50	Structure Wo (270 Deg)	None					124		
51	Structure Wo (300 Deg)	None					124		
52	Structure Wo (330 Deg)	None					124		
53	Structure Wi (0 Deg)	None					124		
54	Structure Wi (30 Deg)	None					124		
55	Structure Wi (60 Deg)	None					124		
56	Structure Wi (90 Deg)	None					124		



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

**Basic Load Cases (Continued)**

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...)	Surface(...)
57	Structure Wi (120 Deg)	None						124	
58	Structure Wi (150 Deg)	None						124	
59	Structure Wi (180 Deg)	None						124	
60	Structure Wi (210 Deg)	None						124	
61	Structure Wi (240 Deg)	None						124	
62	Structure Wi (270 Deg)	None						124	
63	Structure Wi (300 Deg)	None						124	
64	Structure Wi (330 Deg)	None						124	
65	Structure Wm (0 Deg)	None						124	
66	Structure Wm (30 Deg)	None						124	
67	Structure Wm (60 Deg)	None						124	
68	Structure Wm (90 Deg)	None						124	
69	Structure Wm (120 Deg)	None						124	
70	Structure Wm (150 Deg)	None						124	
71	Structure Wm (180 Deg)	None						124	
72	Structure Wm (210 Deg)	None						124	
73	Structure Wm (240 Deg)	None						124	
74	Structure Wm (270 Deg)	None						124	
75	Structure Wm (300 Deg)	None						124	
76	Structure Wm (330 Deg)	None						124	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	Antenna Ev	None					123		
82	Antenna Eh (0 Deg)	None					82		
83	Antenna Eh (90 Deg)	None					82		
84	Structure Ev	ELY		-0.21					3
85	Structure Eh (0 Deg)	ELZ			-0.053				3
86	Structure Eh (90 Deg)	ELX	0.053						3
87	BLC 39 Transient Area L...	None						30	
88	BLC 40 Transient Area L...	None						30	
89	BLC 84 Transient Area L...	None						30	
90	BLC 85 Transient Area L...	None						30	
91	BLC 86 Transient Area L...	None						30	

**Load Combinations**

	Description	So.	P...	S...	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 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1				
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1				
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1				
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1				
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1				
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1				
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1				
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1				
13	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1
14	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1
15	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1
16	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1
17	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

**Load Combinations (Continued)**

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



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

**Load Combinations (Continued)**

Description	So.	P...	S...	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.				
75 0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5

**Joint Coordinates and Temperatures**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N36	-7.499996	0	4.626682	0	
2	N53A	7.499996	0	4.626682	0	
3	N112A	0.	0	-1.770914	0	
4	N114	0.	0	-8.29175	0	
5	N121	0.316678	0.166667	-8.291155	0	
6	N122	-0.315987	0.166667	-8.292344	0	
7	N123	0.317021	0	-8.29175	0	
8	N124A	-0.31633	0	-8.29175	0	
9	N128	0.546877	0	-8.29175	0	
10	N129	-0.546873	0	-8.29175	0	
11	N134	-0.609373	0	-8.183497	0	
12	N135	-0.751031	0	-8.265283	0	
13	N138	0.609377	0	-8.183497	0	
14	N139	0.751032	0	-8.265282	0	
15	N95	6.499996	0	4.626682	0	
16	N96	6.499996	3.645833	4.626682	0	
17	N97	-0.083337	0	4.626682	0	
18	N98	-0.083337	3.645833	4.626682	0	
19	N99A	-4.437504	0	4.626682	0	
20	N100A	-4.437504	3.645833	4.626682	0	
21	N101A	-6.500004	0	4.626682	0	
22	N102A	-6.500004	3.645833	4.626682	0	
23	N103A	6.499996	0	4.876682	0	
24	N104A	6.499996	3.645833	4.876682	0	
25	N105A	-0.083337	0	4.876682	0	
26	N106A	-0.083337	3.645833	4.876682	0	
27	N107A	-4.437504	0	4.876682	0	
28	N108A	-4.437504	3.645833	4.876682	0	
29	N109A	-6.500004	0	4.876682	0	
30	N110A	-6.500004	3.645833	4.876682	0	
31	N111A	6.499996	4.104167	4.876682	0	
32	N112B	-0.083337	4.104167	4.876682	0	
33	N113B	-4.437504	4.104167	4.876682	0	
34	N114A	-6.500004	4.104167	4.876682	0	
35	N115A	6.499996	-1.895833	4.876682	0	
36	N116B	-0.083337	-1.895833	4.876682	0	
37	N117A	-4.437504	-1.895833	4.876682	0	
38	N118	-6.500004	-1.895833	4.876682	0	
39	N57	-7.979163	3.645833	4.626682	0	
40	N58	7.979163	3.645833	4.626682	0	
41	N56	0.	0	-4.565367	0	
42	N57A	-2.572908	0	-4.565367	0	
43	N58A	2.445205	0.166667	-4.565367	0	
44	N59	-2.445201	0.166667	-4.565367	0	
45	N60	2.445205	0	-4.565367	0	
46	N61	-2.445201	0	-4.565367	0	
47	N62	2.572911	0	-4.565367	0	
48	N63	-0.166665	0	-4.565367	0	
49	N64	0.166669	0	-4.565367	0	
50	N65	-2.572908	0	-4.752867	0	
51	N66	2.572911	0	-4.752867	0	





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

**Joint Coordinates and Temperatures (Continued)**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N67	-2.489574	0	-4.897205	0	
53	N68	-2.644087	0	-4.986413	0	
54	N69	2.489578	0	-4.897205	0	
55	N70	2.644088	0	-4.986412	0	
56	CP	0	0	-0.104247	0	
57	N57B	7.847103	0	4.025475	0	
58	N58B	0.347107	0	-8.964899	0	
59	N59A	-1.443376	0	0.729086	0	
60	N60A	-7.090585	0	3.989504	0	
61	N61A	-7.248409	0.166667	3.714955	0	
62	N62A	-6.933106	0.166667	4.263454	0	
63	N63A	-7.249096	0	3.714955	0	
64	N64A	-6.93242	0	4.263454	0	
65	N65A	-7.364024	0	3.515895	0	
66	N66A	-6.817149	0	4.46311	0	
67	N67A	-6.692149	0	4.46311	0	
68	N68A	-6.692149	0	4.626682	0	
69	N69A	-7.301524	0	3.407641	0	
70	N70A	-7.443179	0	3.325857	0	
71	N71	0.847107	0	-8.098874	0	
72	N72	0.847107	3.645833	-8.098874	0	
73	N73	4.138774	0	-2.39754	0	
74	N74	4.138774	3.645833	-2.39754	0	
75	N75	6.315857	0	1.373279	0	
76	N76	6.315857	3.645833	1.373279	0	
77	N77	7.347107	0.041667	3.159456	0	
78	N78	7.347107	3.645833	3.159456	0	
79	N79	1.063614	0	-8.223874	0	
80	N80	1.063614	3.645833	-8.223874	0	
81	N81	4.35528	0	-2.52254	0	
82	N82	4.35528	3.645833	-2.52254	0	
83	N83	6.532364	0	1.248279	0	
84	N84	6.532364	3.645833	1.248279	0	
85	N85	7.563614	0.041667	3.034456	0	
86	N86	7.563614	3.645833	3.034456	0	
87	N87	1.063614	4.104167	-8.223874	0	
88	N88	4.35528	4.104167	-2.52254	0	
89	N89	6.532364	4.104167	1.248279	0	
90	N90	7.563614	4.104167	3.034456	0	
91	N91	1.063614	-1.895833	-8.223874	0	
92	N92	4.35528	-1.895833	-2.52254	0	
93	N93	6.532364	-1.895833	1.248279	0	
94	N94	7.563614	-1.895833	3.034456	0	
95	N95A	8.086687	3.645833	4.440445	0	
96	N96A	0.107524	3.645833	-9.37987	0	
97	N97A	-3.86344	0	2.126311	0	
98	N98A	-2.576989	0	4.354516	0	
99	N99	-5.086046	0.166667	0.008703	0	
100	N100	-2.640843	0.166667	4.243919	0	
101	N101	-5.086046	0	0.008703	0	
102	N102	-2.640843	0	4.243919	0	
103	N103	-5.149899	0	-0.101894	0	
104	N104	-3.780111	0	2.270648	0	
105	N105	-3.946778	0	1.981973	0	
106	N106	-2.739369	0	4.448266	0	
107	N107	-5.312279	0	-0.008144	0	
108	N108	-2.906036	0	4.448266	0	



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

**Joint Coordinates and Temperatures (Continued)**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
109	N109	-2.906036	0	4.626682	0	
110	N110	-5.395612	0	0.136193	0	
111	N111	-5.550122	0	0.046987	0	
112	N113	-0.347107	0	-8.964899	0	
113	N114B	-7.847103	0	4.025475	0	
114	N115	1.443376	0	0.729086	0	
115	N116	7.090585	0	3.989504	0	
116	N117	6.931731	0.166667	4.263457	0	
117	N118A	7.249093	0.166667	3.716148	0	
118	N119	6.932075	0	4.264053	0	
119	N120	7.24875	0	3.715554	0	
120	N121A	6.817147	0	4.463113	0	
121	N122A	7.364022	0	3.515898	0	
122	N123A	7.301522	0	3.407645	0	
123	N124	7.44318	0	3.325859	0	
124	N125	6.692147	0	4.463113	0	
125	N126	6.692147	0	4.626682	0	
126	N127	-7.347103	0	3.159449	0	
127	N128A	-7.347103	3.645833	3.159449	0	
128	N129A	-4.055437	0	-2.541884	0	
129	N130	-4.055437	3.645833	-2.541884	0	
130	N131	-1.878353	0	-6.312703	0	
131	N132	-1.878353	3.645833	-6.312703	0	
132	N133	-0.847103	0	-8.098881	0	
133	N134A	-0.847103	3.645833	-8.098881	0	
134	N135A	-7.56361	0	3.034449	0	
135	N136	-7.56361	3.645833	3.034449	0	
136	N137	-4.271943	0	-2.666884	0	
137	N138A	-4.271943	3.645833	-2.666884	0	
138	N139A	-2.09486	0	-6.437703	0	
139	N140	-2.09486	3.645833	-6.437703	0	
140	N141	-1.06361	0	-8.223881	0	
141	N142	-1.06361	3.645833	-8.223881	0	
142	N143	-7.56361	4.104167	3.034449	0	
143	N144	-4.271943	4.104167	-2.666884	0	
144	N145	-2.09486	4.104167	-6.437703	0	
145	N146	-1.06361	4.104167	-8.223881	0	
146	N147	-7.56361	-1.895833	3.034449	0	
147	N148	-4.271943	-1.895833	-2.666884	0	
148	N149	-2.09486	-1.895833	-6.437703	0	
149	N150	-1.06361	-1.895833	-8.223881	0	
150	N151	-0.107524	3.645833	-9.37987	0	
151	N152	-8.086687	3.645833	4.440445	0	
152	N153	3.86344	0	2.126311	0	
153	N154	5.149897	0	-0.101891	0	
154	N155	2.640841	0.166667	4.243922	0	
155	N156	5.086044	0.166667	0.008706	0	
156	N157	2.640841	0	4.243922	0	
157	N158	5.086044	0	0.008706	0	
158	N159	2.576988	0	4.354519	0	
159	N160	3.946776	0	1.981977	0	
160	N161	3.780109	0	2.270652	0	
161	N162	5.312277	0	-0.008141	0	
162	N163	2.739367	0	4.448269	0	
163	N164	5.39561	0	0.136197	0	
164	N165	5.550123	0	0.046989	0	
165	N166	2.906034	0	4.448269	0	



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

**Joint Coordinates and Temperatures (Continued)**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
166	N167	2.906034	0	4.626682	0	
167	N172	-1.912473	0	0.999919	0	
168	N173	-2.037473	0	0.783413	0	
169	N174	-2.037473	-1	0.783413	0	
170	N175	-2.037473	3	0.783413	0	
171	N177	1.912473	0	0.999919	0	
172	N178	1.787473	0	1.216426	0	
173	N179	1.787473	-1	1.216426	0	
174	N180	1.787473	3	1.216426	0	
175	N175A	-6.979163	3.645833	4.626682	0	
176	N176	6.979163	3.645833	4.626682	0	
177	N177A	-6.979163	3.645833	4.460016	0	
178	N178A	6.979163	3.645833	4.460016	0	
179	N180A	7.586687	3.645833	3.57442	0	
180	N181	0.607524	3.645833	-8.513844	0	
181	N182	7.442349	3.645833	3.657753	0	
182	N183	0.463186	3.645833	-8.430511	0	
183	N185	-0.607524	3.645833	-8.513844	0	
184	N186	-7.586687	3.645833	3.57442	0	
185	N187	-0.463186	3.645833	-8.430511	0	
186	N188	-7.442349	3.645833	3.657753	0	
187	N187A	-0.083337	1.822917	4.876682	0	
188	N188A	-0.083337	3.072917	4.876682	0	
189	N189	-0.083337	2.822917	4.876682	0	
190	N190	-0.083337	-0.427083	4.876682	0	
191	N191	2.499996	3.645833	4.626682	0	
192	N192	2.847107	3.645833	-4.634772	0	
193	N193	-2.847103	3.645833	-4.634779	0	

**Hot Rolled Steel Section Sets**

	Label	Shape	Type	Design List	Material	Design R...	A [in <sup>2</sup> ]	I <sub>y</sub> [in <sup>4</sup> ]	I <sub>z</sub> [in <sup>4</sup> ]	J [in <sup>4</sup> ]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A36 Gr.36	Typical	3.37	7.8	7.8	12.8
3	Support Rail	PIPE 2.0	Beam	SquareTube	A53 Gr.B	Typical	1.02	.627	.627	1.25
4	Corner Plate	PL1/2X6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
5	Platform Crossme...	HSS4X4X3	Beam	SquareTube	A36 Gr.36	Typical	2.58	6.21	6.21	10
6	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
7	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
9	Support Rail Angle	L2.5x2.5x4	Column	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026

**Hot Rolled Steel Properties**

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



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

**Member Primary Data**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	LV	N53A	N36			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M72A	N112A	N114			Standoff Horiz...	Beam	SquareTube	A36 Gr.36	Typical
3	M75	N129	N128			Corner Plate	Beam	BAR	A36 Gr.36	Typical
4	M78	N121	N58A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
5	M79	N59	N122			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
6	M80	N122	N124A			RIGID	None	None	RIGID	Typical
7	M81	N121	N123			RIGID	None	None	RIGID	Typical
8	M87A	N129	N134			Corner Plate	Beam	BAR	A36 Gr.36	Typical
9	M88	N134	N135			RIGID	None	None	RIGID	Typical
10	M92	N128	N138			Corner Plate	Beam	BAR	A36 Gr.36	Typical
11	M93A	N138	N139			RIGID	None	None	RIGID	Typical
12	M73A	N102A	N110A			RIGID	None	None	RIGID	Typical
13	M74A	N100A	N108A			RIGID	None	None	RIGID	Typical
14	M75A	N98	N106A			RIGID	None	None	RIGID	Typical
15	M76A	N96	N104A			RIGID	None	None	RIGID	Typical
16	LM1	N95	N103A			RIGID	None	None	RIGID	Typical
17	LM2	N97	N105A			RIGID	None	None	RIGID	Typical
18	M79A	N99A	N107A			RIGID	None	None	RIGID	Typical
19	M80A	N101A	N109A			RIGID	None	None	RIGID	Typical
20	MP4A	N114A	N118			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
21	MP3A	N113B	N117A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
22	MP2A	N112B	N116B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
23	MP1A	N111A	N115A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
24	M37	N58	N191			Support Rail	Beam	SquareTube	A53 Gr.B	Typical
25	M37A	N62	N64			Platform Cross..	Beam	SquareTube	A36 Gr.36	Typical
26	M38	N63	N57A			Platform Cross..	Beam	SquareTube	A36 Gr.36	Typical
27	M39	N59	N61			RIGID	None	None	RIGID	Typical
28	M40	N58A	N60			RIGID	None	None	RIGID	Typical
29	M41	N63	N56			RIGID	None	None	RIGID	Typical
30	M42	N56	N64			RIGID	None	None	RIGID	Typical
31	M43	N57A	N65			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
32	M44	N65	N67			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
33	M45	N67	N68			RIGID	None	None	RIGID	Typical
34	M46	N62	N66			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
35	M47	N66	N69			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
36	M48	N69	N70			RIGID	None	None	RIGID	Typical
37	M37B	N58B	N57B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
38	M38A	N59A	N60A			Standoff Horiz...	Beam	SquareTube	A36 Gr.36	Typical
39	M39A	N66A	N65A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M40A	N61A	N99			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
41	M41A	N100	N62A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
42	M42A	N62A	N64A			RIGID	None	None	RIGID	Typical
43	M43A	N61A	N63A			RIGID	None	None	RIGID	Typical
44	M44A	N66A	N67A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M45A	N67A	N68A			RIGID	None	None	RIGID	Typical
46	M46A	N65A	N69A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
47	M47A	N69A	N70A			RIGID	None	None	RIGID	Typical
48	M48A	N78	N86			RIGID	None	None	RIGID	Typical
49	M49	N76	N84			RIGID	None	None	RIGID	Typical
50	M50	N74	N82			RIGID	None	None	RIGID	Typical
51	M51	N72	N80			RIGID	None	None	RIGID	Typical
52	M52	N71	N79			RIGID	None	None	RIGID	Typical
53	M53	N73	N81			RIGID	None	None	RIGID	Typical
54	M54	N75	N83			RIGID	None	None	RIGID	Typical
55	M55	N77	N85			RIGID	None	None	RIGID	Typical
56	MP4C	N90	N94			Mount Pipe	Column	Pipe	A53 Gr.B	Typical



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
57	MP3C	N89	N93			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
58	MP2C	N88	N92			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
59	MP1C	N87	N91			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
60	M60	N96A	N192			Support Rail	Beam	SquareTube	A53 Gr.B	Typical
61	M61	N103	N105			Platform Cross..	Beam	SquareTube	A36 Gr.36	Typical
62	M62	N104	N98A			Platform Cross..	Beam	SquareTube	A36 Gr.36	Typical
63	M63	N100	N102			RIGID	None	None	RIGID	Typical
64	M64	N99	N101			RIGID	None	None	RIGID	Typical
65	M65	N104	N97A			RIGID	None	None	RIGID	Typical
66	M66	N97A	N105			RIGID	None	None	RIGID	Typical
67	M67	N98A	N106			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
68	M68	N106	N108			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
69	M69	N108	N109			RIGID	None	None	RIGID	Typical
70	M70	N103	N107			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
71	M71	N107	N110			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
72	M72	N110	N111			RIGID	None	None	RIGID	Typical
73	M73	N114B	N113			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M74	N115	N116			Standoff Horiz...	Beam	SquareTube	A36 Gr.36	Typical
75	M75B	N122A	N121A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
76	M76	N117	N155			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
77	M77	N156	N118A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
78	M78B	N118A	N120			RIGID	None	None	RIGID	Typical
79	M79B	N117	N119			RIGID	None	None	RIGID	Typical
80	M80B	N122A	N123A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
81	M81A	N123A	N124			RIGID	None	None	RIGID	Typical
82	M82	N121A	N125			Corner Plate	Beam	BAR	A36 Gr.36	Typical
83	M83	N125	N126			RIGID	None	None	RIGID	Typical
84	M84	N134A	N142			RIGID	None	None	RIGID	Typical
85	M85	N132	N140			RIGID	None	None	RIGID	Typical
86	M86	N130	N138A			RIGID	None	None	RIGID	Typical
87	M87	N128A	N136			RIGID	None	None	RIGID	Typical
88	M88A	N127	N135A			RIGID	None	None	RIGID	Typical
89	M89	N129A	N137			RIGID	None	None	RIGID	Typical
90	M90	N131	N139A			RIGID	None	None	RIGID	Typical
91	M91	N133	N141			RIGID	None	None	RIGID	Typical
92	MP4B	N146	N150			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
93	MP3B	N145	N149			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	MP2B	N144	N148			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
95	MP1B	N143	N147			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	M96	N152	N193			Support Rail	Beam	SquareTube	A53 Gr.B	Typical
97	M97	N159	N161			Platform Cross..	Beam	SquareTube	A36 Gr.36	Typical
98	M98	N160	N154			Platform Cross..	Beam	SquareTube	A36 Gr.36	Typical
99	M99	N156	N158			RIGID	None	None	RIGID	Typical
100	M100	N155	N157			RIGID	None	None	RIGID	Typical
101	M101	N160	N153			RIGID	None	None	RIGID	Typical
102	M102	N153	N161			RIGID	None	None	RIGID	Typical
103	M103	N154	N162			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
104	M104	N162	N164			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
105	M105	N164	N165			RIGID	None	None	RIGID	Typical
106	M106	N159	N163			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
107	M107	N163	N166			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
108	M108	N166	N167			RIGID	None	None	RIGID	Typical
109	OVP1	N175	N174			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
110	M112	N172	N173			RIGID	None	None	RIGID	Typical
111	OVP2	N180	N179			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
112	M114	N177	N178			RIGID	None	None	RIGID	Typical
113	M113	N175A	N177A			RIGID	None	None	RIGID	Typical



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
114	M114A	N176	N178A			RIGID	None	None	RIGID	Typical
115	M115	N180A	N182			RIGID	None	None	RIGID	Typical
116	M116	N181	N183			RIGID	None	None	RIGID	Typical
117	M117	N185	N187			RIGID	None	None	RIGID	Typical
118	M118	N186	N188			RIGID	None	None	RIGID	Typical
119	M119	N188	N177A		90	Support Rail A...	Column	Single Angle	A36 Gr.36	Typical
120	M120	N178A	N182		90	Support Rail A...	Column	Single Angle	A36 Gr.36	Typical
121	M121	N187	N183		180	Support Rail A...	Column	Single Angle	A36 Gr.36	Typical
122	M122	N191	N57			Support Rail	Beam	SquareTube	A53 Gr.B	Typical
123	M123	N192	N95A			Support Rail	Beam	SquareTube	A53 Gr.B	Typical
124	M124	N193	N151			Support Rail	Beam	SquareTube	A53 Gr.B	Typical

**Member Advanced Data**

	Label	I Release	J Release	I Offset(in)	J Offset(in)	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
1	LV						Yes				None
2	M72A						Yes	Default			None
3	M75						Yes				None
4	M78	OOOOOX	OOOOOX				Yes				None
5	M79	OOOOOX	OOOOOX				Yes				None
6	M80						Yes	** NA **			None
7	M81						Yes	** NA **			None
8	M87A						Yes				None
9	M88		BenPIN				Yes	** NA **			None
10	M92						Yes				None
11	M93A		BenPIN				Yes	** NA **			None
12	M73A						Yes	** NA **			None
13	M74A						Yes	** NA **			None
14	M75A						Yes	** NA **			None
15	M76A						Yes	** NA **			None
16	LM1						Yes	** NA **			None
17	LM2						Yes	** NA **			None
18	M79A						Yes	** NA **			None
19	M80A						Yes	** NA **			None
20	MP4A						Yes	** NA **			None
21	MP3A						Yes	** NA **			None
22	MP2A						Yes	** NA **			None
23	MP1A						Yes	** NA **			None
24	M37						Yes				None
25	M37A						Yes				None
26	M38						Yes	** NA **			None
27	M39						Yes	** NA **			None
28	M40						Yes	** NA **			None
29	M41						Yes	** NA **			None
30	M42						Yes	** NA **			None
31	M43						Yes	** NA **			None
32	M44						Yes	** NA **			None
33	M45		BenPIN				Yes	** NA **			None
34	M46						Yes	** NA **			None
35	M47						Yes	** NA **			None
36	M48		BenPIN				Yes	** NA **			None
37	M37B						Yes				None
38	M38A						Yes	Default			None
39	M39A						Yes				None
40	M40A	OOOOOX	OOOOOX				Yes				None
41	M41A	OOOOOX	OOOOOX				Yes				None



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 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...
42	M42A						Yes	** NA **			None
43	M43A						Yes	** NA **			None
44	M44A						Yes				None
45	M45A		BenPIN				Yes	** NA **			None
46	M46A						Yes				None
47	M47A		BenPIN				Yes	** NA **			None
48	M48A						Yes	** NA **			None
49	M49						Yes	** NA **			None
50	M50						Yes	** NA **			None
51	M51						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55						Yes	** NA **			None
56	MP4C						Yes	** NA **			None
57	MP3C						Yes	** NA **			None
58	MP2C						Yes	** NA **			None
59	MP1C						Yes	** NA **			None
60	M60						Yes				None
61	M61						Yes				None
62	M62						Yes				None
63	M63						Yes	** NA **			None
64	M64						Yes	** NA **			None
65	M65						Yes	** NA **			None
66	M66						Yes	** NA **			None
67	M67						Yes	** NA **			None
68	M68						Yes	** NA **			None
69	M69		BenPIN				Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72		BenPIN				Yes	** NA **			None
73	M73						Yes				None
74	M74						Yes	Default			None
75	M75B						Yes				None
76	M76	OOOOOX	OOOOOX				Yes				None
77	M77	OOOOOX	OOOOOX				Yes				None
78	M78B						Yes	** NA **			None
79	M79B						Yes	** NA **			None
80	M80B						Yes				None
81	M81A		BenPIN				Yes	** NA **			None
82	M82						Yes				None
83	M83		BenPIN				Yes	** NA **			None
84	M84						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M88A						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	M90						Yes	** NA **			None
91	M91						Yes	** NA **			None
92	MP4B						Yes	** NA **			None
93	MP3B						Yes	** NA **			None
94	MP2B						Yes	** NA **			None
95	MP1B						Yes	** NA **			None
96	M96						Yes				None
97	M97						Yes				None
98	M98						Yes				None



Company  
Designer  
Job Number  
Model Name

July 20, 2023  
12:27 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...
99	M99						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105		BenPIN				Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108		BenPIN				Yes	** NA **			None
109	OVP1						Yes	** NA **			None
110	M112						Yes	** NA **			None
111	OVP2						Yes	** NA **			None
112	M114						Yes	** NA **			None
113	M113	OOOOOX					Yes	** NA **			None
114	M114A	OOOOOX					Yes	** NA **			None
115	M115	OOOOOX					Yes	** NA **			None
116	M116	OOOOOX					Yes	** NA **			None
117	M117	OOOOOX					Yes	** NA **			None
118	M118	OOOOOX					Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M120						Yes	** NA **			None
121	M121						Yes	** NA **			None
122	M122						Yes				None
123	M123						Yes				None
124	M124						Yes				None

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-13.2	3
2	MP3A	My	.006	3
3	MP3A	Mz	-.003	3
4	MP3B	Y	-13.2	3
5	MP3B	My	.006	3
6	MP3B	Mz	-.003	3
7	MP3C	Y	-13.2	3
8	MP3C	My	.006	3
9	MP3C	Mz	-.003	3
10	MP2A	Y	-43.55	.5
11	MP2A	My	-.022	.5
12	MP2A	Mz	0	.5
13	MP2A	Y	-43.55	2.5
14	MP2A	My	-.022	2.5
15	MP2A	Mz	0	2.5
16	MP2B	Y	-43.55	.5
17	MP2B	My	.011	.5
18	MP2B	Mz	-.019	.5
19	MP2B	Y	-43.55	2.5
20	MP2B	My	.011	2.5
21	MP2B	Mz	-.019	2.5
22	MP2C	Y	-43.55	.5
23	MP2C	My	.007	.5
24	MP2C	Mz	.02	.5
25	MP2C	Y	-43.55	2.5
26	MP2C	My	.007	2.5





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP2C	Mz	.02	2.5
28	MP4A	Y	-9	.5
29	MP4A	Mv	-.004	.5
30	MP4A	Mz	0	.5
31	MP4A	Y	-9	4.5
32	MP4A	Mv	-.004	4.5
33	MP4A	Mz	0	4.5
34	MP4B	Y	-9	.5
35	MP4B	Mv	.002	.5
36	MP4B	Mz	-.004	.5
37	MP4B	Y	-9	4.5
38	MP4B	Mv	.002	4.5
39	MP4B	Mz	-.004	4.5
40	MP4C	Y	-9	.5
41	MP4C	Mv	.002	.5
42	MP4C	Mz	.004	.5
43	MP4C	Y	-9	4.5
44	MP4C	Mv	.002	4.5
45	MP4C	Mz	.004	4.5
46	MP1A	Y	-20	.5
47	MP1A	Mv	-.01	.5
48	MP1A	Mz	.013	.5
49	MP1A	Y	-20	4.5
50	MP1A	Mv	-.01	4.5
51	MP1A	Mz	.013	4.5
52	MP1B	Y	-20	.5
53	MP1B	Mv	-.007	.5
54	MP1B	Mz	-.015	.5
55	MP1B	Y	-20	4.5
56	MP1B	Mv	-.007	4.5
57	MP1B	Mz	-.015	4.5
58	MP1C	Y	-20	.5
59	MP1C	Mv	.016	.5
60	MP1C	Mz	.005	.5
61	MP1C	Y	-20	4.5
62	MP1C	Mv	.016	4.5
63	MP1C	Mz	.005	4.5
64	MP1A	Y	-20	.5
65	MP1A	Mv	-.01	.5
66	MP1A	Mz	-.013	.5
67	MP1A	Y	-20	4.5
68	MP1A	Mv	-.01	4.5
69	MP1A	Mz	-.013	4.5
70	MP1B	Y	-20	.5
71	MP1B	Mv	.017	.5
72	MP1B	Mz	-.002	.5
73	MP1B	Y	-20	4.5
74	MP1B	Mv	.017	4.5
75	MP1B	Mz	-.002	4.5
76	MP1C	Y	-20	.5
77	MP1C	Mv	-.009	.5
78	MP1C	Mz	.014	.5
79	MP1C	Y	-20	4.5
80	MP1C	Mv	-.009	4.5
81	MP1C	Mz	.014	4.5
82	MP2A	Y	-4.4	5
83	MP2A	Mv	-.002	5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
84	MP2A	Mz	0	5
85	MP2B	Y	-4.4	5
86	MP2B	My	.001	5
87	MP2B	Mz	-.002	5
88	MP2C	Y	-4.4	5
89	MP2C	Mv	.000752	5
90	MP2C	Mz	.002	5
91	MP1A	Y	-84.4	1
92	MP1A	My	-.037	1
93	MP1A	Mz	-.021	1
94	MP1B	Y	-84.4	1
95	MP1B	My	.037	1
96	MP1B	Mz	-.021	1
97	MP1C	Y	-84.4	1
98	MP1C	My	0	1
99	MP1C	Mz	.042	1
100	MP2A	Y	-70.3	1
101	MP2A	Mv	-.03	1
102	MP2A	Mz	-.018	1
103	MP2B	Y	-70.3	1
104	MP2B	My	.03	1
105	MP2B	Mz	-.018	1
106	MP2C	Y	-70.3	1
107	MP2C	Mv	0	1
108	MP2C	Mz	.035	1
109	OVP1	Y	-32	1
110	OVP1	Mv	0	1
111	OVP1	Mz	0	1
112	OVP2	Y	-32	1
113	OVP2	Mv	0	1
114	OVP2	Mz	0	1
115	MP1A	Y	-17.6	3
116	MP1A	Mv	-.004	3
117	MP1A	Mz	0	3
118	MP1A	Y	-17.6	3
119	MP1A	Mv	.004	3
120	MP1A	Mz	0	3
121	MP4B	Y	-10	1
122	MP4B	My	-.003	1
123	MP4B	Mz	.004	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-20.713	3
2	MP3A	My	.009	3
3	MP3A	Mz	-.005	3
4	MP3B	Y	-20.713	3
5	MP3B	My	.009	3
6	MP3B	Mz	-.005	3
7	MP3C	Y	-20.713	3
8	MP3C	My	.009	3
9	MP3C	Mz	-.005	3
10	MP2A	Y	-56.512	.5
11	MP2A	Mv	-.028	.5
12	MP2A	Mz	0	.5
13	MP2A	Y	-56.512	2.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
14	MP2A	M <sub>y</sub>	-.028	2.5
15	MP2A	M <sub>z</sub>	0	2.5
16	MP2B	Y	-56.512	.5
17	MP2B	M <sub>y</sub>	.014	.5
18	MP2B	M <sub>z</sub>	-.024	.5
19	MP2B	Y	-56.512	2.5
20	MP2B	M <sub>y</sub>	.014	2.5
21	MP2B	M <sub>z</sub>	-.024	2.5
22	MP2C	Y	-56.512	.5
23	MP2C	M <sub>y</sub>	.01	.5
24	MP2C	M <sub>z</sub>	.027	.5
25	MP2C	Y	-56.512	2.5
26	MP2C	M <sub>y</sub>	.01	2.5
27	MP2C	M <sub>z</sub>	.027	2.5
28	MP4A	Y	-71.329	.5
29	MP4A	M <sub>y</sub>	-.036	.5
30	MP4A	M <sub>z</sub>	0	.5
31	MP4A	Y	-71.329	4.5
32	MP4A	M <sub>y</sub>	-.036	4.5
33	MP4A	M <sub>z</sub>	0	4.5
34	MP4B	Y	-71.329	.5
35	MP4B	M <sub>y</sub>	.018	.5
36	MP4B	M <sub>z</sub>	-.031	.5
37	MP4B	Y	-71.329	4.5
38	MP4B	M <sub>y</sub>	.018	4.5
39	MP4B	M <sub>z</sub>	-.031	4.5
40	MP4C	Y	-71.329	.5
41	MP4C	M <sub>y</sub>	.018	.5
42	MP4C	M <sub>z</sub>	.031	.5
43	MP4C	Y	-71.329	4.5
44	MP4C	M <sub>y</sub>	.018	4.5
45	MP4C	M <sub>z</sub>	.031	4.5
46	MP1A	Y	-96.467	.5
47	MP1A	M <sub>y</sub>	-.048	.5
48	MP1A	M <sub>z</sub>	.064	.5
49	MP1A	Y	-96.467	4.5
50	MP1A	M <sub>y</sub>	-.048	4.5
51	MP1A	M <sub>z</sub>	.064	4.5
52	MP1B	Y	-96.467	.5
53	MP1B	M <sub>y</sub>	-.032	.5
54	MP1B	M <sub>z</sub>	-.074	.5
55	MP1B	Y	-96.467	4.5
56	MP1B	M <sub>y</sub>	-.032	4.5
57	MP1B	M <sub>z</sub>	-.074	4.5
58	MP1C	Y	-96.467	.5
59	MP1C	M <sub>y</sub>	.077	.5
60	MP1C	M <sub>z</sub>	.023	.5
61	MP1C	Y	-96.467	4.5
62	MP1C	M <sub>y</sub>	.077	4.5
63	MP1C	M <sub>z</sub>	.023	4.5
64	MP1A	Y	-96.467	.5
65	MP1A	M <sub>y</sub>	-.048	.5
66	MP1A	M <sub>z</sub>	-.064	.5
67	MP1A	Y	-96.467	4.5
68	MP1A	M <sub>y</sub>	-.048	4.5
69	MP1A	M <sub>z</sub>	-.064	4.5
70	MP1B	Y	-96.467	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
71	MP1B	Mv	.08	.5
72	MP1B	Mz	-.01	.5
73	MP1B	Y	-96.467	4.5
74	MP1B	My	.08	4.5
75	MP1B	Mz	-.01	4.5
76	MP1C	Y	-96.467	.5
77	MP1C	Mv	-.044	.5
78	MP1C	Mz	.067	.5
79	MP1C	Y	-96.467	4.5
80	MP1C	My	-.044	4.5
81	MP1C	Mz	.067	4.5
82	MP2A	Y	-22.848	5
83	MP2A	Mv	-.011	5
84	MP2A	Mz	0	5
85	MP2B	Y	-22.848	5
86	MP2B	My	.006	5
87	MP2B	Mz	-.01	5
88	MP2C	Y	-22.848	5
89	MP2C	Mv	.004	5
90	MP2C	Mz	.011	5
91	MP1A	Y	-71.826	1
92	MP1A	Mv	-.031	1
93	MP1A	Mz	-.018	1
94	MP1B	Y	-71.826	1
95	MP1B	Mv	.031	1
96	MP1B	Mz	-.018	1
97	MP1C	Y	-71.826	1
98	MP1C	My	0	1
99	MP1C	Mz	.036	1
100	MP2A	Y	-64.85	1
101	MP2A	Mv	-.028	1
102	MP2A	Mz	-.016	1
103	MP2B	Y	-64.85	1
104	MP2B	My	.028	1
105	MP2B	Mz	-.016	1
106	MP2C	Y	-64.85	1
107	MP2C	Mv	0	1
108	MP2C	Mz	.032	1
109	OVP1	Y	-138.251	1
110	OVP1	My	0	1
111	OVP1	Mz	0	1
112	OVP2	Y	-138.251	1
113	OVP2	Mv	0	1
114	OVP2	Mz	0	1
115	MP1A	Y	-28.929	3
116	MP1A	My	-.007	3
117	MP1A	Mz	0	3
118	MP1A	Y	-28.929	3
119	MP1A	Mv	.007	3
120	MP1A	Mz	0	3
121	MP4B	Y	-21.087	1
122	MP4B	My	-.005	1
123	MP4B	Mz	.009	1

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

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



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	3
2	MP3A	Z	-14.598	3
3	MP3A	Mx	.004	3
4	MP3B	X	0	3
5	MP3B	Z	-14.598	3
6	MP3B	Mx	.004	3
7	MP3C	X	0	3
8	MP3C	Z	-14.598	3
9	MP3C	Mx	.004	3
10	MP2A	X	0	.5
11	MP2A	Z	-66.339	.5
12	MP2A	Mx	0	.5
13	MP2A	X	0	2.5
14	MP2A	Z	-66.339	2.5
15	MP2A	Mx	0	2.5
16	MP2B	X	0	.5
17	MP2B	Z	-33.719	.5
18	MP2B	Mx	.015	.5
19	MP2B	X	0	2.5
20	MP2B	Z	-33.719	2.5
21	MP2B	Mx	.015	2.5
22	MP2C	X	0	.5
23	MP2C	Z	-27.934	.5
24	MP2C	Mx	-.013	.5
25	MP2C	X	0	2.5
26	MP2C	Z	-27.934	2.5
27	MP2C	Mx	-.013	2.5
28	MP4A	X	0	.5
29	MP4A	Z	-97.477	.5
30	MP4A	Mx	0	.5
31	MP4A	X	0	4.5
32	MP4A	Z	-97.477	4.5
33	MP4A	Mx	0	4.5
34	MP4B	X	0	.5
35	MP4B	Z	-82.256	.5
36	MP4B	Mx	.036	.5
37	MP4B	X	0	4.5
38	MP4B	Z	-82.256	4.5
39	MP4B	Mx	.036	4.5
40	MP4C	X	0	.5
41	MP4C	Z	-82.256	.5
42	MP4C	Mx	-.036	.5
43	MP4C	X	0	4.5
44	MP4C	Z	-82.256	4.5
45	MP4C	Mx	-.036	4.5
46	MP1A	X	0	.5
47	MP1A	Z	-93.246	.5
48	MP1A	Mx	-.062	.5
49	MP1A	X	0	4.5
50	MP1A	Z	-93.246	4.5
51	MP1A	Mx	-.062	4.5
52	MP1B	X	0	.5
53	MP1B	Z	-53.392	.5
54	MP1B	Mx	.041	.5
55	MP1B	X	0	4.5
56	MP1B	Z	-53.392	4.5
57	MP1B	Mx	.041	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
58	MP1C	X	0	.5
59	MP1C	Z	-46.324	.5
60	MP1C	Mx	-.011	.5
61	MP1C	X	0	4.5
62	MP1C	Z	-46.324	4.5
63	MP1C	Mx	-.011	4.5
64	MP1A	X	0	.5
65	MP1A	Z	-93.246	.5
66	MP1A	Mx	.062	.5
67	MP1A	X	0	4.5
68	MP1A	Z	-93.246	4.5
69	MP1A	Mx	.062	4.5
70	MP1B	X	0	.5
71	MP1B	Z	-53.392	.5
72	MP1B	Mx	.005	.5
73	MP1B	X	0	4.5
74	MP1B	Z	-53.392	4.5
75	MP1B	Mx	.005	4.5
76	MP1C	X	0	.5
77	MP1C	Z	-46.324	.5
78	MP1C	Mx	-.032	.5
79	MP1C	X	0	4.5
80	MP1C	Z	-46.324	4.5
81	MP1C	Mx	-.032	4.5
82	MP2A	X	0	5
83	MP2A	Z	-30.123	5
84	MP2A	Mx	0	5
85	MP2B	X	0	5
86	MP2B	Z	-11.961	5
87	MP2B	Mx	.005	5
88	MP2C	X	0	5
89	MP2C	Z	-8.74	5
90	MP2C	Mx	-.004	5
91	MP1A	X	0	1
92	MP1A	Z	-48.146	1
93	MP1A	Mx	.012	1
94	MP1B	X	0	1
95	MP1B	Z	-48.146	1
96	MP1B	Mx	.012	1
97	MP1C	X	0	1
98	MP1C	Z	-35.2	1
99	MP1C	Mx	-.018	1
100	MP2A	X	0	1
101	MP2A	Z	-46.538	1
102	MP2A	Mx	.012	1
103	MP2B	X	0	1
104	MP2B	Z	-46.538	1
105	MP2B	Mx	.012	1
106	MP2C	X	0	1
107	MP2C	Z	-28.769	1
108	MP2C	Mx	-.014	1
109	OVP1	X	0	1
110	OVP1	Z	-100.862	1
111	OVP1	Mx	0	1
112	OVP2	X	0	1
113	OVP2	Z	-100.862	1
114	OVP2	Mx	0	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
115	MP1A	X	0	3
116	MP1A	Z	-32.492	3
117	MP1A	Mx	0	3
118	MP1A	X	0	3
119	MP1A	Z	-32.492	3
120	MP1A	Mx	0	3
121	MP4B	X	0	1
122	MP4B	Z	-23.692	1
123	MP4B	Mx	-.01	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	6.667	3
2	MP3A	Z	-11.547	3
3	MP3A	Mx	.006	3
4	MP3B	X	6.667	3
5	MP3B	Z	-11.547	3
6	MP3B	Mx	.006	3
7	MP3C	X	6.667	3
8	MP3C	Z	-11.547	3
9	MP3C	Mx	.006	3
10	MP2A	X	27.733	.5
11	MP2A	Z	-48.034	.5
12	MP2A	Mx	-.014	.5
13	MP2A	X	27.733	2.5
14	MP2A	Z	-48.034	2.5
15	MP2A	Mx	-.014	2.5
16	MP2B	X	11.423	.5
17	MP2B	Z	-19.785	.5
18	MP2B	Mx	.011	.5
19	MP2B	X	11.423	2.5
20	MP2B	Z	-19.785	2.5
21	MP2B	Mx	.011	2.5
22	MP2C	X	24.184	.5
23	MP2C	Z	-41.888	.5
24	MP2C	Mx	-.016	.5
25	MP2C	X	24.184	2.5
26	MP2C	Z	-41.888	2.5
27	MP2C	Mx	-.016	2.5
28	MP4A	X	46.202	.5
29	MP4A	Z	-80.024	.5
30	MP4A	Mx	-.023	.5
31	MP4A	X	46.202	4.5
32	MP4A	Z	-80.024	4.5
33	MP4A	Mx	-.023	4.5
34	MP4B	X	38.591	.5
35	MP4B	Z	-66.842	.5
36	MP4B	Mx	.039	.5
37	MP4B	X	38.591	4.5
38	MP4B	Z	-66.842	4.5
39	MP4B	Mx	.039	4.5
40	MP4C	X	46.202	.5
41	MP4C	Z	-80.024	.5
42	MP4C	Mx	-.023	.5
43	MP4C	X	46.202	4.5
44	MP4C	Z	-80.024	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
45	MP4C	Mx	-.023	4.5
46	MP1A	X	39.981	.5
47	MP1A	Z	-69.249	.5
48	MP1A	Mx	-.066	.5
49	MP1A	X	39.981	4.5
50	MP1A	Z	-69.249	4.5
51	MP1A	Mx	-.066	4.5
52	MP1B	X	20.054	.5
53	MP1B	Z	-34.734	.5
54	MP1B	Mx	.02	.5
55	MP1B	X	20.054	4.5
56	MP1B	Z	-34.734	4.5
57	MP1B	Mx	.02	4.5
58	MP1C	X	35.645	.5
59	MP1C	Z	-61.74	.5
60	MP1C	Mx	.013	.5
61	MP1C	X	35.645	4.5
62	MP1C	Z	-61.74	4.5
63	MP1C	Mx	.013	4.5
64	MP1A	X	39.981	.5
65	MP1A	Z	-69.249	.5
66	MP1A	Mx	.026	.5
67	MP1A	X	39.981	4.5
68	MP1A	Z	-69.249	4.5
69	MP1A	Mx	.026	4.5
70	MP1B	X	20.054	.5
71	MP1B	Z	-34.734	.5
72	MP1B	Mx	.02	.5
73	MP1B	X	20.054	4.5
74	MP1B	Z	-34.734	4.5
75	MP1B	Mx	.02	4.5
76	MP1C	X	35.645	.5
77	MP1C	Z	-61.74	.5
78	MP1C	Mx	-.059	.5
79	MP1C	X	35.645	4.5
80	MP1C	Z	-61.74	4.5
81	MP1C	Mx	-.059	4.5
82	MP2A	X	12.035	5
83	MP2A	Z	-20.845	5
84	MP2A	Mx	-.006	5
85	MP2B	X	2.954	5
86	MP2B	Z	-5.116	5
87	MP2B	Mx	.003	5
88	MP2C	X	10.059	5
89	MP2C	Z	-17.422	5
90	MP2C	Mx	-.006	5
91	MP1A	X	26.231	1
92	MP1A	Z	-45.433	1
93	MP1A	Mx	0	1
94	MP1B	X	19.758	1
95	MP1B	Z	-34.221	1
96	MP1B	Mx	.017	1
97	MP1C	X	19.758	1
98	MP1C	Z	-34.221	1
99	MP1C	Mx	-.017	1
100	MP2A	X	26.231	1
101	MP2A	Z	-45.433	1





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
102	MP2A	Mx	0	1
103	MP2B	X	17.346	1
104	MP2B	Z	-30.044	1
105	MP2B	Mx	.015	1
106	MP2C	X	17.346	1
107	MP2C	Z	-30.044	1
108	MP2C	Mx	-.015	1
109	OVP1	X	44	1
110	OVP1	Z	-76.21	1
111	OVP1	Mx	0	1
112	OVP2	X	44	1
113	OVP2	Z	-76.21	1
114	OVP2	Mx	0	1
115	MP1A	X	13.417	3
116	MP1A	Z	-23.238	3
117	MP1A	Mx	-.003	3
118	MP1A	X	13.417	3
119	MP1A	Z	-23.238	3
120	MP1A	Mx	.003	3
121	MP4B	X	10.154	1
122	MP4B	Z	-17.587	1
123	MP4B	Mx	-.01	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	10.999	3
2	MP3A	Z	-6.35	3
3	MP3A	Mx	.006	3
4	MP3B	X	10.999	3
5	MP3B	Z	-6.35	3
6	MP3B	Mx	.006	3
7	MP3C	X	10.999	3
8	MP3C	Z	-6.35	3
9	MP3C	Mx	.006	3
10	MP2A	X	29.202	.5
11	MP2A	Z	-16.86	.5
12	MP2A	Mx	-.015	.5
13	MP2A	X	29.202	2.5
14	MP2A	Z	-16.86	2.5
15	MP2A	Mx	-.015	2.5
16	MP2B	X	29.202	.5
17	MP2B	Z	-16.86	.5
18	MP2B	Mx	.015	.5
19	MP2B	X	29.202	2.5
20	MP2B	Z	-16.86	2.5
21	MP2B	Mx	.015	2.5
22	MP2C	X	56.315	.5
23	MP2C	Z	-32.514	.5
24	MP2C	Mx	-.006	.5
25	MP2C	X	56.315	2.5
26	MP2C	Z	-32.514	2.5
27	MP2C	Mx	-.006	2.5
28	MP4A	X	71.236	.5
29	MP4A	Z	-41.128	.5
30	MP4A	Mx	-.036	.5
31	MP4A	X	71.236	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
32	MP4A	Z	-41.128	4.5
33	MP4A	Mx	-.036	4.5
34	MP4B	X	71.236	.5
35	MP4B	Z	-41.128	.5
36	MP4B	Mx	.036	.5
37	MP4B	X	71.236	4.5
38	MP4B	Z	-41.128	4.5
39	MP4B	Mx	.036	4.5
40	MP4C	X	84.418	.5
41	MP4C	Z	-48.738	.5
42	MP4C	Mx	0	.5
43	MP4C	X	84.418	4.5
44	MP4C	Z	-48.738	4.5
45	MP4C	Mx	0	4.5
46	MP1A	X	46.239	.5
47	MP1A	Z	-26.696	.5
48	MP1A	Mx	-.041	.5
49	MP1A	X	46.239	4.5
50	MP1A	Z	-26.696	4.5
51	MP1A	Mx	-.041	4.5
52	MP1B	X	46.239	.5
53	MP1B	Z	-26.696	.5
54	MP1B	Mx	.005	.5
55	MP1B	X	46.239	4.5
56	MP1B	Z	-26.696	4.5
57	MP1B	Mx	.005	4.5
58	MP1C	X	79.366	.5
59	MP1C	Z	-45.822	.5
60	MP1C	Mx	.052	.5
61	MP1C	X	79.366	4.5
62	MP1C	Z	-45.822	4.5
63	MP1C	Mx	.052	4.5
64	MP1A	X	46.239	.5
65	MP1A	Z	-26.696	.5
66	MP1A	Mx	-.005	.5
67	MP1A	X	46.239	4.5
68	MP1A	Z	-26.696	4.5
69	MP1A	Mx	-.005	4.5
70	MP1B	X	46.239	.5
71	MP1B	Z	-26.696	.5
72	MP1B	Mx	.041	.5
73	MP1B	X	46.239	4.5
74	MP1B	Z	-26.696	4.5
75	MP1B	Mx	.041	4.5
76	MP1C	X	79.366	.5
77	MP1C	Z	-45.822	.5
78	MP1C	Mx	-.068	.5
79	MP1C	X	79.366	4.5
80	MP1C	Z	-45.822	4.5
81	MP1C	Mx	-.068	4.5
82	MP2A	X	10.359	5
83	MP2A	Z	-5.981	5
84	MP2A	Mx	-.005	5
85	MP2B	X	10.359	5
86	MP2B	Z	-5.981	5
87	MP2B	Mx	.005	5
88	MP2C	X	25.455	5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
89	MP2C	Z	-14.696	5
90	MP2C	Mx	-.003	5
91	MP1A	X	41.696	1
92	MP1A	Z	-24.073	1
93	MP1A	Mx	-.012	1
94	MP1B	X	30.484	1
95	MP1B	Z	-17.6	1
96	MP1B	Mx	.018	1
97	MP1C	X	41.696	1
98	MP1C	Z	-24.073	1
99	MP1C	Mx	-.012	1
100	MP2A	X	40.304	1
101	MP2A	Z	-23.269	1
102	MP2A	Mx	-.012	1
103	MP2B	X	24.915	1
104	MP2B	Z	-14.385	1
105	MP2B	Mx	.014	1
106	MP2C	X	40.304	1
107	MP2C	Z	-23.269	1
108	MP2C	Mx	-.012	1
109	OVP1	X	70.641	1
110	OVP1	Z	-40.785	1
111	OVP1	Mx	0	1
112	OVP2	X	70.641	1
113	OVP2	Z	-40.785	1
114	OVP2	Mx	0	1
115	MP1A	X	13.436	3
116	MP1A	Z	-7.757	3
117	MP1A	Mx	-.003	3
118	MP1A	X	13.436	3
119	MP1A	Z	-7.757	3
120	MP1A	Mx	.003	3
121	MP4B	X	20.518	1
122	MP4B	Z	-11.846	1
123	MP4B	Mx	-.01	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	13.333	3
2	MP3A	Z	0	3
3	MP3A	Mx	.006	3
4	MP3B	X	13.333	3
5	MP3B	Z	0	3
6	MP3B	Mx	.006	3
7	MP3C	X	13.333	3
8	MP3C	Z	0	3
9	MP3C	Mx	.006	3
10	MP2A	X	22.846	.5
11	MP2A	Z	0	.5
12	MP2A	Mx	-.011	.5
13	MP2A	X	22.846	2.5
14	MP2A	Z	0	2.5
15	MP2A	Mx	-.011	2.5
16	MP2B	X	55.465	.5
17	MP2B	Z	0	.5
18	MP2B	Mx	.014	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
19	MP2B	X	55.465	2.5
20	MP2B	Z	0	2.5
21	MP2B	Mx	.014	2.5
22	MP2C	X	61.251	.5
23	MP2C	Z	0	.5
24	MP2C	Mx	.01	.5
25	MP2C	X	61.251	2.5
26	MP2C	Z	0	2.5
27	MP2C	Mx	.01	2.5
28	MP4A	X	77.182	.5
29	MP4A	Z	0	.5
30	MP4A	Mx	-.039	.5
31	MP4A	X	77.182	4.5
32	MP4A	Z	0	4.5
33	MP4A	Mx	-.039	4.5
34	MP4B	X	92.403	.5
35	MP4B	Z	0	.5
36	MP4B	Mx	.023	.5
37	MP4B	X	92.403	4.5
38	MP4B	Z	0	4.5
39	MP4B	Mx	.023	4.5
40	MP4C	X	92.403	.5
41	MP4C	Z	0	.5
42	MP4C	Mx	.023	.5
43	MP4C	X	92.403	4.5
44	MP4C	Z	0	4.5
45	MP4C	Mx	.023	4.5
46	MP1A	X	40.108	.5
47	MP1A	Z	0	.5
48	MP1A	Mx	-.02	.5
49	MP1A	X	40.108	4.5
50	MP1A	Z	0	4.5
51	MP1A	Mx	-.02	4.5
52	MP1B	X	79.962	.5
53	MP1B	Z	0	.5
54	MP1B	Mx	-.026	.5
55	MP1B	X	79.962	4.5
56	MP1B	Z	0	4.5
57	MP1B	Mx	-.026	4.5
58	MP1C	X	87.03	.5
59	MP1C	Z	0	.5
60	MP1C	Mx	.069	.5
61	MP1C	X	87.03	4.5
62	MP1C	Z	0	4.5
63	MP1C	Mx	.069	4.5
64	MP1A	X	40.108	.5
65	MP1A	Z	0	.5
66	MP1A	Mx	-.02	.5
67	MP1A	X	40.108	4.5
68	MP1A	Z	0	4.5
69	MP1A	Mx	-.02	4.5
70	MP1B	X	79.962	.5
71	MP1B	Z	0	.5
72	MP1B	Mx	.066	.5
73	MP1B	X	79.962	4.5
74	MP1B	Z	0	4.5
75	MP1B	Mx	.066	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
76	MP1C	X	87.03	.5
77	MP1C	Z	0	.5
78	MP1C	Mx	-.04	.5
79	MP1C	X	87.03	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	-.04	4.5
82	MP2A	X	5.907	5
83	MP2A	Z	0	5
84	MP2A	Mx	-.003	5
85	MP2B	X	24.069	5
86	MP2B	Z	0	5
87	MP2B	Mx	.006	5
88	MP2C	X	27.29	5
89	MP2C	Z	0	5
90	MP2C	Mx	.005	5
91	MP1A	X	39.515	1
92	MP1A	Z	0	1
93	MP1A	Mx	-.017	1
94	MP1B	X	39.515	1
95	MP1B	Z	0	1
96	MP1B	Mx	.017	1
97	MP1C	X	52.462	1
98	MP1C	Z	0	1
99	MP1C	Mx	0	1
100	MP2A	X	34.692	1
101	MP2A	Z	0	1
102	MP2A	Mx	-.015	1
103	MP2B	X	34.692	1
104	MP2B	Z	0	1
105	MP2B	Mx	.015	1
106	MP2C	X	52.462	1
107	MP2C	Z	0	1
108	MP2C	Mx	0	1
109	OVP1	X	88	1
110	OVP1	Z	0	1
111	OVP1	Mx	0	1
112	OVP2	X	88	1
113	OVP2	Z	0	1
114	OVP2	Mx	0	1
115	MP1A	X	9.855	3
116	MP1A	Z	0	3
117	MP1A	Mx	-.002	3
118	MP1A	X	9.855	3
119	MP1A	Z	0	3
120	MP1A	Mx	.002	3
121	MP4B	X	30.462	1
122	MP4B	Z	0	1
123	MP4B	Mx	-.008	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	12.642	3
2	MP3A	Z	7.299	3
3	MP3A	Mx	.004	3
4	MP3B	X	12.642	3
5	MP3B	Z	7.299	3



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP3B	Mx	.004	3
7	MP3C	X	12.642	3
8	MP3C	Z	7.299	3
9	MP3C	Mx	.004	3
10	MP2A	X	29.202	.5
11	MP2A	Z	16.86	.5
12	MP2A	Mx	-.015	.5
13	MP2A	X	29.202	2.5
14	MP2A	Z	16.86	2.5
15	MP2A	Mx	-.015	2.5
16	MP2B	X	57.451	.5
17	MP2B	Z	33.169	.5
18	MP2B	Mx	0	.5
19	MP2B	X	57.451	2.5
20	MP2B	Z	33.169	2.5
21	MP2B	Mx	0	2.5
22	MP2C	X	35.348	.5
23	MP2C	Z	20.408	.5
24	MP2C	Mx	.016	.5
25	MP2C	X	35.348	2.5
26	MP2C	Z	20.408	2.5
27	MP2C	Mx	.016	2.5
28	MP4A	X	71.236	.5
29	MP4A	Z	41.128	.5
30	MP4A	Mx	-.036	.5
31	MP4A	X	71.236	4.5
32	MP4A	Z	41.128	4.5
33	MP4A	Mx	-.036	4.5
34	MP4B	X	84.418	.5
35	MP4B	Z	48.738	.5
36	MP4B	Mx	0	.5
37	MP4B	X	84.418	4.5
38	MP4B	Z	48.738	4.5
39	MP4B	Mx	0	4.5
40	MP4C	X	71.236	.5
41	MP4C	Z	41.128	.5
42	MP4C	Mx	.036	.5
43	MP4C	X	71.236	4.5
44	MP4C	Z	41.128	4.5
45	MP4C	Mx	.036	4.5
46	MP1A	X	46.239	.5
47	MP1A	Z	26.696	.5
48	MP1A	Mx	-.005	.5
49	MP1A	X	46.239	4.5
50	MP1A	Z	26.696	4.5
51	MP1A	Mx	-.005	4.5
52	MP1B	X	80.754	.5
53	MP1B	Z	46.623	.5
54	MP1B	Mx	-.062	.5
55	MP1B	X	80.754	4.5
56	MP1B	Z	46.623	4.5
57	MP1B	Mx	-.062	4.5
58	MP1C	X	53.748	.5
59	MP1C	Z	31.032	.5
60	MP1C	Mx	.05	.5
61	MP1C	X	53.748	4.5
62	MP1C	Z	31.032	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
63	MP1C	Mx	.05	4.5
64	MP1A	X	46.239	.5
65	MP1A	Z	26.696	.5
66	MP1A	Mx	-.041	.5
67	MP1A	X	46.239	4.5
68	MP1A	Z	26.696	4.5
69	MP1A	Mx	-.041	4.5
70	MP1B	X	80.754	.5
71	MP1B	Z	46.623	.5
72	MP1B	Mx	.062	.5
73	MP1B	X	80.754	4.5
74	MP1B	Z	46.623	4.5
75	MP1B	Mx	.062	4.5
76	MP1C	X	53.748	.5
77	MP1C	Z	31.032	.5
78	MP1C	Mx	-.003	.5
79	MP1C	X	53.748	4.5
80	MP1C	Z	31.032	4.5
81	MP1C	Mx	-.003	4.5
82	MP2A	X	10.359	5
83	MP2A	Z	5.981	5
84	MP2A	Mx	-.005	5
85	MP2B	X	26.087	5
86	MP2B	Z	15.062	5
87	MP2B	Mx	0	5
88	MP2C	X	13.781	5
89	MP2C	Z	7.956	5
90	MP2C	Mx	.006	5
91	MP1A	X	30.484	1
92	MP1A	Z	17.6	1
93	MP1A	Mx	-.018	1
94	MP1B	X	41.696	1
95	MP1B	Z	24.073	1
96	MP1B	Mx	.012	1
97	MP1C	X	41.696	1
98	MP1C	Z	24.073	1
99	MP1C	Mx	.012	1
100	MP2A	X	24.915	1
101	MP2A	Z	14.385	1
102	MP2A	Mx	-.014	1
103	MP2B	X	40.304	1
104	MP2B	Z	23.269	1
105	MP2B	Mx	.012	1
106	MP2C	X	40.304	1
107	MP2C	Z	23.269	1
108	MP2C	Mx	.012	1
109	OVP1	X	87.349	1
110	OVP1	Z	50.431	1
111	OVP1	Mx	0	1
112	OVP2	X	87.349	1
113	OVP2	Z	50.431	1
114	OVP2	Mx	0	1
115	MP1A	X	13.436	3
116	MP1A	Z	7.757	3
117	MP1A	Mx	-.003	3
118	MP1A	X	13.436	3
119	MP1A	Z	7.757	3



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
120	MP1A	Mx	.003	3
121	MP4B	X	29.312	1
122	MP4B	Z	16.923	1
123	MP4B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	7.615	3
2	MP3A	Z	13.19	3
3	MP3A	Mx	0	3
4	MP3B	X	7.615	3
5	MP3B	Z	13.19	3
6	MP3B	Mx	0	3
7	MP3C	X	7.615	3
8	MP3C	Z	13.19	3
9	MP3C	Mx	0	3
10	MP2A	X	27.733	.5
11	MP2A	Z	48.034	.5
12	MP2A	Mx	-.014	.5
13	MP2A	X	27.733	2.5
14	MP2A	Z	48.034	2.5
15	MP2A	Mx	-.014	2.5
16	MP2B	X	27.733	.5
17	MP2B	Z	48.034	.5
18	MP2B	Mx	-.014	.5
19	MP2B	X	27.733	2.5
20	MP2B	Z	48.034	2.5
21	MP2B	Mx	-.014	2.5
22	MP2C	X	12.079	.5
23	MP2C	Z	20.921	.5
24	MP2C	Mx	.012	.5
25	MP2C	X	12.079	2.5
26	MP2C	Z	20.921	2.5
27	MP2C	Mx	.012	2.5
28	MP4A	X	46.202	.5
29	MP4A	Z	80.024	.5
30	MP4A	Mx	-.023	.5
31	MP4A	X	46.202	4.5
32	MP4A	Z	80.024	4.5
33	MP4A	Mx	-.023	4.5
34	MP4B	X	46.202	.5
35	MP4B	Z	80.024	.5
36	MP4B	Mx	-.023	.5
37	MP4B	X	46.202	4.5
38	MP4B	Z	80.024	4.5
39	MP4B	Mx	-.023	4.5
40	MP4C	X	38.591	.5
41	MP4C	Z	66.842	.5
42	MP4C	Mx	.039	.5
43	MP4C	X	38.591	4.5
44	MP4C	Z	66.842	4.5
45	MP4C	Mx	.039	4.5
46	MP1A	X	39.981	.5
47	MP1A	Z	69.249	.5
48	MP1A	Mx	.026	.5
49	MP1A	X	39.981	4.5





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
50	MP1A	Z	69.249	4.5
51	MP1A	Mx	.026	4.5
52	MP1B	X	39.981	.5
53	MP1B	Z	69.249	.5
54	MP1B	Mx	-.066	.5
55	MP1B	X	39.981	4.5
56	MP1B	Z	69.249	4.5
57	MP1B	Mx	-.066	4.5
58	MP1C	X	20.855	.5
59	MP1C	Z	36.122	.5
60	MP1C	Mx	.025	.5
61	MP1C	X	20.855	4.5
62	MP1C	Z	36.122	4.5
63	MP1C	Mx	.025	4.5
64	MP1A	X	39.981	.5
65	MP1A	Z	69.249	.5
66	MP1A	Mx	-.066	.5
67	MP1A	X	39.981	4.5
68	MP1A	Z	69.249	4.5
69	MP1A	Mx	-.066	4.5
70	MP1B	X	39.981	.5
71	MP1B	Z	69.249	.5
72	MP1B	Mx	.026	.5
73	MP1B	X	39.981	4.5
74	MP1B	Z	69.249	4.5
75	MP1B	Mx	.026	4.5
76	MP1C	X	20.855	.5
77	MP1C	Z	36.122	.5
78	MP1C	Mx	.016	.5
79	MP1C	X	20.855	4.5
80	MP1C	Z	36.122	4.5
81	MP1C	Mx	.016	4.5
82	MP2A	X	12.035	5
83	MP2A	Z	20.845	5
84	MP2A	Mx	-.006	5
85	MP2B	X	12.035	5
86	MP2B	Z	20.845	5
87	MP2B	Mx	-.006	5
88	MP2C	X	3.319	5
89	MP2C	Z	5.748	5
90	MP2C	Mx	.003	5
91	MP1A	X	19.758	1
92	MP1A	Z	34.221	1
93	MP1A	Mx	-.017	1
94	MP1B	X	26.231	1
95	MP1B	Z	45.433	1
96	MP1B	Mx	0	1
97	MP1C	X	19.758	1
98	MP1C	Z	34.221	1
99	MP1C	Mx	.017	1
100	MP2A	X	17.346	1
101	MP2A	Z	30.044	1
102	MP2A	Mx	-.015	1
103	MP2B	X	26.231	1
104	MP2B	Z	45.433	1
105	MP2B	Mx	0	1
106	MP2C	X	17.346	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
107	MP2C	Z	30.044	1
108	MP2C	Mx	.015	1
109	OVP1	X	53.646	1
110	OVP1	Z	92.918	1
111	OVP1	Mx	0	1
112	OVP2	X	53.646	1
113	OVP2	Z	92.918	1
114	OVP2	Mx	0	1
115	MP1A	X	13.417	3
116	MP1A	Z	23.238	3
117	MP1A	Mx	-.003	3
118	MP1A	X	13.417	3
119	MP1A	Z	23.238	3
120	MP1A	Mx	.003	3
121	MP4B	X	15.231	1
122	MP4B	Z	26.38	1
123	MP4B	Mx	.008	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	3
2	MP3A	Z	14.598	3
3	MP3A	Mx	-.004	3
4	MP3B	X	0	3
5	MP3B	Z	14.598	3
6	MP3B	Mx	-.004	3
7	MP3C	X	0	3
8	MP3C	Z	14.598	3
9	MP3C	Mx	-.004	3
10	MP2A	X	0	.5
11	MP2A	Z	66.339	.5
12	MP2A	Mx	0	.5
13	MP2A	X	0	2.5
14	MP2A	Z	66.339	2.5
15	MP2A	Mx	0	2.5
16	MP2B	X	0	.5
17	MP2B	Z	33.719	.5
18	MP2B	Mx	-.015	.5
19	MP2B	X	0	2.5
20	MP2B	Z	33.719	2.5
21	MP2B	Mx	-.015	2.5
22	MP2C	X	0	.5
23	MP2C	Z	27.934	.5
24	MP2C	Mx	.013	.5
25	MP2C	X	0	2.5
26	MP2C	Z	27.934	2.5
27	MP2C	Mx	.013	2.5
28	MP4A	X	0	.5
29	MP4A	Z	97.477	.5
30	MP4A	Mx	0	.5
31	MP4A	X	0	4.5
32	MP4A	Z	97.477	4.5
33	MP4A	Mx	0	4.5
34	MP4B	X	0	.5
35	MP4B	Z	82.256	.5
36	MP4B	Mx	-.036	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
37	MP4B	X	0	4.5
38	MP4B	Z	82.256	4.5
39	MP4B	Mx	-.036	4.5
40	MP4C	X	0	.5
41	MP4C	Z	82.256	.5
42	MP4C	Mx	.036	.5
43	MP4C	X	0	4.5
44	MP4C	Z	82.256	4.5
45	MP4C	Mx	.036	4.5
46	MP1A	X	0	.5
47	MP1A	Z	93.246	.5
48	MP1A	Mx	.062	.5
49	MP1A	X	0	4.5
50	MP1A	Z	93.246	4.5
51	MP1A	Mx	.062	4.5
52	MP1B	X	0	.5
53	MP1B	Z	53.392	.5
54	MP1B	Mx	-.041	.5
55	MP1B	X	0	4.5
56	MP1B	Z	53.392	4.5
57	MP1B	Mx	-.041	4.5
58	MP1C	X	0	.5
59	MP1C	Z	46.324	.5
60	MP1C	Mx	.011	.5
61	MP1C	X	0	4.5
62	MP1C	Z	46.324	4.5
63	MP1C	Mx	.011	4.5
64	MP1A	X	0	.5
65	MP1A	Z	93.246	.5
66	MP1A	Mx	-.062	.5
67	MP1A	X	0	4.5
68	MP1A	Z	93.246	4.5
69	MP1A	Mx	-.062	4.5
70	MP1B	X	0	.5
71	MP1B	Z	53.392	.5
72	MP1B	Mx	-.005	.5
73	MP1B	X	0	4.5
74	MP1B	Z	53.392	4.5
75	MP1B	Mx	-.005	4.5
76	MP1C	X	0	.5
77	MP1C	Z	46.324	.5
78	MP1C	Mx	.032	.5
79	MP1C	X	0	4.5
80	MP1C	Z	46.324	4.5
81	MP1C	Mx	.032	4.5
82	MP2A	X	0	5
83	MP2A	Z	30.123	5
84	MP2A	Mx	0	5
85	MP2B	X	0	5
86	MP2B	Z	11.961	5
87	MP2B	Mx	-.005	5
88	MP2C	X	0	5
89	MP2C	Z	8.74	5
90	MP2C	Mx	.004	5
91	MP1A	X	0	1
92	MP1A	Z	48.146	1
93	MP1A	Mx	-.012	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
94	MP1B	X	0	1
95	MP1B	Z	48.146	1
96	MP1B	Mx	-.012	1
97	MP1C	X	0	1
98	MP1C	Z	35.2	1
99	MP1C	Mx	.018	1
100	MP2A	X	0	1
101	MP2A	Z	46.538	1
102	MP2A	Mx	-.012	1
103	MP2B	X	0	1
104	MP2B	Z	46.538	1
105	MP2B	Mx	-.012	1
106	MP2C	X	0	1
107	MP2C	Z	28.769	1
108	MP2C	Mx	.014	1
109	OVP1	X	0	1
110	OVP1	Z	100.862	1
111	OVP1	Mx	0	1
112	OVP2	X	0	1
113	OVP2	Z	100.862	1
114	OVP2	Mx	0	1
115	MP1A	X	0	3
116	MP1A	Z	32.492	3
117	MP1A	Mx	0	3
118	MP1A	X	0	3
119	MP1A	Z	32.492	3
120	MP1A	Mx	0	3
121	MP4B	X	0	1
122	MP4B	Z	23.692	1
123	MP4B	Mx	.01	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-6.667	3
2	MP3A	Z	11.547	3
3	MP3A	Mx	-.006	3
4	MP3B	X	-6.667	3
5	MP3B	Z	11.547	3
6	MP3B	Mx	-.006	3
7	MP3C	X	-6.667	3
8	MP3C	Z	11.547	3
9	MP3C	Mx	-.006	3
10	MP2A	X	-27.733	.5
11	MP2A	Z	48.034	.5
12	MP2A	Mx	.014	.5
13	MP2A	X	-27.733	2.5
14	MP2A	Z	48.034	2.5
15	MP2A	Mx	.014	2.5
16	MP2B	X	-11.423	.5
17	MP2B	Z	19.785	.5
18	MP2B	Mx	-.011	.5
19	MP2B	X	-11.423	2.5
20	MP2B	Z	19.785	2.5
21	MP2B	Mx	-.011	2.5
22	MP2C	X	-24.184	.5
23	MP2C	Z	41.888	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
24	MP2C	Mx	.016	.5
25	MP2C	X	-24.184	2.5
26	MP2C	Z	41.888	2.5
27	MP2C	Mx	.016	2.5
28	MP4A	X	-46.202	.5
29	MP4A	Z	80.024	.5
30	MP4A	Mx	.023	.5
31	MP4A	X	-46.202	4.5
32	MP4A	Z	80.024	4.5
33	MP4A	Mx	.023	4.5
34	MP4B	X	-38.591	.5
35	MP4B	Z	66.842	.5
36	MP4B	Mx	-.039	.5
37	MP4B	X	-38.591	4.5
38	MP4B	Z	66.842	4.5
39	MP4B	Mx	-.039	4.5
40	MP4C	X	-46.202	.5
41	MP4C	Z	80.024	.5
42	MP4C	Mx	.023	.5
43	MP4C	X	-46.202	4.5
44	MP4C	Z	80.024	4.5
45	MP4C	Mx	.023	4.5
46	MP1A	X	-39.981	.5
47	MP1A	Z	69.249	.5
48	MP1A	Mx	.066	.5
49	MP1A	X	-39.981	4.5
50	MP1A	Z	69.249	4.5
51	MP1A	Mx	.066	4.5
52	MP1B	X	-20.054	.5
53	MP1B	Z	34.734	.5
54	MP1B	Mx	-.02	.5
55	MP1B	X	-20.054	4.5
56	MP1B	Z	34.734	4.5
57	MP1B	Mx	-.02	4.5
58	MP1C	X	-35.645	.5
59	MP1C	Z	61.74	.5
60	MP1C	Mx	-.013	.5
61	MP1C	X	-35.645	4.5
62	MP1C	Z	61.74	4.5
63	MP1C	Mx	-.013	4.5
64	MP1A	X	-39.981	.5
65	MP1A	Z	69.249	.5
66	MP1A	Mx	-.026	.5
67	MP1A	X	-39.981	4.5
68	MP1A	Z	69.249	4.5
69	MP1A	Mx	-.026	4.5
70	MP1B	X	-20.054	.5
71	MP1B	Z	34.734	.5
72	MP1B	Mx	-.02	.5
73	MP1B	X	-20.054	4.5
74	MP1B	Z	34.734	4.5
75	MP1B	Mx	-.02	4.5
76	MP1C	X	-35.645	.5
77	MP1C	Z	61.74	.5
78	MP1C	Mx	.059	.5
79	MP1C	X	-35.645	4.5
80	MP1C	Z	61.74	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
81	MP1C	Mx	.059	4.5
82	MP2A	X	-12.035	5
83	MP2A	Z	20.845	5
84	MP2A	Mx	.006	5
85	MP2B	X	-2.954	5
86	MP2B	Z	5.116	5
87	MP2B	Mx	-.003	5
88	MP2C	X	-10.059	5
89	MP2C	Z	17.422	5
90	MP2C	Mx	.006	5
91	MP1A	X	-26.231	1
92	MP1A	Z	45.433	1
93	MP1A	Mx	0	1
94	MP1B	X	-19.758	1
95	MP1B	Z	34.221	1
96	MP1B	Mx	-.017	1
97	MP1C	X	-19.758	1
98	MP1C	Z	34.221	1
99	MP1C	Mx	.017	1
100	MP2A	X	-26.231	1
101	MP2A	Z	45.433	1
102	MP2A	Mx	0	1
103	MP2B	X	-17.346	1
104	MP2B	Z	30.044	1
105	MP2B	Mx	-.015	1
106	MP2C	X	-17.346	1
107	MP2C	Z	30.044	1
108	MP2C	Mx	.015	1
109	OVP1	X	-44	1
110	OVP1	Z	76.21	1
111	OVP1	Mx	0	1
112	OVP2	X	-44	1
113	OVP2	Z	76.21	1
114	OVP2	Mx	0	1
115	MP1A	X	-13.417	3
116	MP1A	Z	23.238	3
117	MP1A	Mx	.003	3
118	MP1A	X	-13.417	3
119	MP1A	Z	23.238	3
120	MP1A	Mx	-.003	3
121	MP4B	X	-10.154	1
122	MP4B	Z	17.587	1
123	MP4B	Mx	.01	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-10.999	3
2	MP3A	Z	6.35	3
3	MP3A	Mx	-.006	3
4	MP3B	X	-10.999	3
5	MP3B	Z	6.35	3
6	MP3B	Mx	-.006	3
7	MP3C	X	-10.999	3
8	MP3C	Z	6.35	3
9	MP3C	Mx	-.006	3
10	MP2A	X	-29.202	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
11	MP2A	Z	16.86	.5
12	MP2A	Mx	.015	.5
13	MP2A	X	-29.202	2.5
14	MP2A	Z	16.86	2.5
15	MP2A	Mx	.015	2.5
16	MP2B	X	-29.202	.5
17	MP2B	Z	16.86	.5
18	MP2B	Mx	-.015	.5
19	MP2B	X	-29.202	2.5
20	MP2B	Z	16.86	2.5
21	MP2B	Mx	-.015	2.5
22	MP2C	X	-56.315	.5
23	MP2C	Z	32.514	.5
24	MP2C	Mx	.006	.5
25	MP2C	X	-56.315	2.5
26	MP2C	Z	32.514	2.5
27	MP2C	Mx	.006	2.5
28	MP4A	X	-71.236	.5
29	MP4A	Z	41.128	.5
30	MP4A	Mx	.036	.5
31	MP4A	X	-71.236	4.5
32	MP4A	Z	41.128	4.5
33	MP4A	Mx	.036	4.5
34	MP4B	X	-71.236	.5
35	MP4B	Z	41.128	.5
36	MP4B	Mx	-.036	.5
37	MP4B	X	-71.236	4.5
38	MP4B	Z	41.128	4.5
39	MP4B	Mx	-.036	4.5
40	MP4C	X	-84.418	.5
41	MP4C	Z	48.738	.5
42	MP4C	Mx	0	.5
43	MP4C	X	-84.418	4.5
44	MP4C	Z	48.738	4.5
45	MP4C	Mx	0	4.5
46	MP1A	X	-46.239	.5
47	MP1A	Z	26.696	.5
48	MP1A	Mx	.041	.5
49	MP1A	X	-46.239	4.5
50	MP1A	Z	26.696	4.5
51	MP1A	Mx	.041	4.5
52	MP1B	X	-46.239	.5
53	MP1B	Z	26.696	.5
54	MP1B	Mx	-.005	.5
55	MP1B	X	-46.239	4.5
56	MP1B	Z	26.696	4.5
57	MP1B	Mx	-.005	4.5
58	MP1C	X	-79.366	.5
59	MP1C	Z	45.822	.5
60	MP1C	Mx	-.052	.5
61	MP1C	X	-79.366	4.5
62	MP1C	Z	45.822	4.5
63	MP1C	Mx	-.052	4.5
64	MP1A	X	-46.239	.5
65	MP1A	Z	26.696	.5
66	MP1A	Mx	.005	.5
67	MP1A	X	-46.239	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
68	MP1A	Z	26.696	4.5
69	MP1A	Mx	.005	4.5
70	MP1B	X	-46.239	.5
71	MP1B	Z	26.696	.5
72	MP1B	Mx	-.041	.5
73	MP1B	X	-46.239	4.5
74	MP1B	Z	26.696	4.5
75	MP1B	Mx	-.041	4.5
76	MP1C	X	-79.366	.5
77	MP1C	Z	45.822	.5
78	MP1C	Mx	.068	.5
79	MP1C	X	-79.366	4.5
80	MP1C	Z	45.822	4.5
81	MP1C	Mx	.068	4.5
82	MP2A	X	-10.359	5
83	MP2A	Z	5.981	5
84	MP2A	Mx	.005	5
85	MP2B	X	-10.359	5
86	MP2B	Z	5.981	5
87	MP2B	Mx	-.005	5
88	MP2C	X	-25.455	5
89	MP2C	Z	14.696	5
90	MP2C	Mx	.003	5
91	MP1A	X	-41.696	1
92	MP1A	Z	24.073	1
93	MP1A	Mx	.012	1
94	MP1B	X	-30.484	1
95	MP1B	Z	17.6	1
96	MP1B	Mx	-.018	1
97	MP1C	X	-41.696	1
98	MP1C	Z	24.073	1
99	MP1C	Mx	.012	1
100	MP2A	X	-40.304	1
101	MP2A	Z	23.269	1
102	MP2A	Mx	.012	1
103	MP2B	X	-24.915	1
104	MP2B	Z	14.385	1
105	MP2B	Mx	-.014	1
106	MP2C	X	-40.304	1
107	MP2C	Z	23.269	1
108	MP2C	Mx	.012	1
109	OVP1	X	-70.641	1
110	OVP1	Z	40.785	1
111	OVP1	Mx	0	1
112	OVP2	X	-70.641	1
113	OVP2	Z	40.785	1
114	OVP2	Mx	0	1
115	MP1A	X	-13.436	3
116	MP1A	Z	7.757	3
117	MP1A	Mx	.003	3
118	MP1A	X	-13.436	3
119	MP1A	Z	7.757	3
120	MP1A	Mx	-.003	3
121	MP4B	X	-20.518	1
122	MP4B	Z	11.846	1
123	MP4B	Mx	.01	1





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-13.333	3
2	MP3A	Z	0	3
3	MP3A	Mx	-.006	3
4	MP3B	X	-13.333	3
5	MP3B	Z	0	3
6	MP3B	Mx	-.006	3
7	MP3C	X	-13.333	3
8	MP3C	Z	0	3
9	MP3C	Mx	-.006	3
10	MP2A	X	-22.846	.5
11	MP2A	Z	0	.5
12	MP2A	Mx	.011	.5
13	MP2A	X	-22.846	2.5
14	MP2A	Z	0	2.5
15	MP2A	Mx	.011	2.5
16	MP2B	X	-55.465	.5
17	MP2B	Z	0	.5
18	MP2B	Mx	-.014	.5
19	MP2B	X	-55.465	2.5
20	MP2B	Z	0	2.5
21	MP2B	Mx	-.014	2.5
22	MP2C	X	-61.251	.5
23	MP2C	Z	0	.5
24	MP2C	Mx	-.01	.5
25	MP2C	X	-61.251	2.5
26	MP2C	Z	0	2.5
27	MP2C	Mx	-.01	2.5
28	MP4A	X	-77.182	.5
29	MP4A	Z	0	.5
30	MP4A	Mx	.039	.5
31	MP4A	X	-77.182	4.5
32	MP4A	Z	0	4.5
33	MP4A	Mx	.039	4.5
34	MP4B	X	-92.403	.5
35	MP4B	Z	0	.5
36	MP4B	Mx	-.023	.5
37	MP4B	X	-92.403	4.5
38	MP4B	Z	0	4.5
39	MP4B	Mx	-.023	4.5
40	MP4C	X	-92.403	.5
41	MP4C	Z	0	.5
42	MP4C	Mx	-.023	.5
43	MP4C	X	-92.403	4.5
44	MP4C	Z	0	4.5
45	MP4C	Mx	-.023	4.5
46	MP1A	X	-40.108	.5
47	MP1A	Z	0	.5
48	MP1A	Mx	.02	.5
49	MP1A	X	-40.108	4.5
50	MP1A	Z	0	4.5
51	MP1A	Mx	.02	4.5
52	MP1B	X	-79.962	.5
53	MP1B	Z	0	.5
54	MP1B	Mx	.026	.5
55	MP1B	X	-79.962	4.5
56	MP1B	Z	0	4.5
57	MP1B	Mx	.026	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1C	X	-87.03	.5
59	MP1C	Z	0	.5
60	MP1C	Mx	-.069	.5
61	MP1C	X	-87.03	4.5
62	MP1C	Z	0	4.5
63	MP1C	Mx	-.069	4.5
64	MP1A	X	-40.108	.5
65	MP1A	Z	0	.5
66	MP1A	Mx	.02	.5
67	MP1A	X	-40.108	4.5
68	MP1A	Z	0	4.5
69	MP1A	Mx	.02	4.5
70	MP1B	X	-79.962	.5
71	MP1B	Z	0	.5
72	MP1B	Mx	-.066	.5
73	MP1B	X	-79.962	4.5
74	MP1B	Z	0	4.5
75	MP1B	Mx	-.066	4.5
76	MP1C	X	-87.03	.5
77	MP1C	Z	0	.5
78	MP1C	Mx	.04	.5
79	MP1C	X	-87.03	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	.04	4.5
82	MP2A	X	-5.907	5
83	MP2A	Z	0	5
84	MP2A	Mx	.003	5
85	MP2B	X	-24.069	5
86	MP2B	Z	0	5
87	MP2B	Mx	-.006	5
88	MP2C	X	-27.29	5
89	MP2C	Z	0	5
90	MP2C	Mx	-.005	5
91	MP1A	X	-39.515	1
92	MP1A	Z	0	1
93	MP1A	Mx	.017	1
94	MP1B	X	-39.515	1
95	MP1B	Z	0	1
96	MP1B	Mx	-.017	1
97	MP1C	X	-52.462	1
98	MP1C	Z	0	1
99	MP1C	Mx	0	1
100	MP2A	X	-34.692	1
101	MP2A	Z	0	1
102	MP2A	Mx	.015	1
103	MP2B	X	-34.692	1
104	MP2B	Z	0	1
105	MP2B	Mx	-.015	1
106	MP2C	X	-52.462	1
107	MP2C	Z	0	1
108	MP2C	Mx	0	1
109	OVP1	X	-88	1
110	OVP1	Z	0	1
111	OVP1	Mx	0	1
112	OVP2	X	-88	1
113	OVP2	Z	0	1
114	OVP2	Mx	0	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
115	MP1A	X	-9.855	3
116	MP1A	Z	0	3
117	MP1A	Mx	.002	3
118	MP1A	X	-9.855	3
119	MP1A	Z	0	3
120	MP1A	Mx	-.002	3
121	MP4B	X	-30.462	1
122	MP4B	Z	0	1
123	MP4B	Mx	.008	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-12.642	3
2	MP3A	Z	-7.299	3
3	MP3A	Mx	-.004	3
4	MP3B	X	-12.642	3
5	MP3B	Z	-7.299	3
6	MP3B	Mx	-.004	3
7	MP3C	X	-12.642	3
8	MP3C	Z	-7.299	3
9	MP3C	Mx	-.004	3
10	MP2A	X	-29.202	.5
11	MP2A	Z	-16.86	.5
12	MP2A	Mx	.015	.5
13	MP2A	X	-29.202	2.5
14	MP2A	Z	-16.86	2.5
15	MP2A	Mx	.015	2.5
16	MP2B	X	-57.451	.5
17	MP2B	Z	-33.169	.5
18	MP2B	Mx	0	.5
19	MP2B	X	-57.451	2.5
20	MP2B	Z	-33.169	2.5
21	MP2B	Mx	0	2.5
22	MP2C	X	-35.348	.5
23	MP2C	Z	-20.408	.5
24	MP2C	Mx	-.016	.5
25	MP2C	X	-35.348	2.5
26	MP2C	Z	-20.408	2.5
27	MP2C	Mx	-.016	2.5
28	MP4A	X	-71.236	.5
29	MP4A	Z	-41.128	.5
30	MP4A	Mx	.036	.5
31	MP4A	X	-71.236	4.5
32	MP4A	Z	-41.128	4.5
33	MP4A	Mx	.036	4.5
34	MP4B	X	-84.418	.5
35	MP4B	Z	-48.738	.5
36	MP4B	Mx	0	.5
37	MP4B	X	-84.418	4.5
38	MP4B	Z	-48.738	4.5
39	MP4B	Mx	0	4.5
40	MP4C	X	-71.236	.5
41	MP4C	Z	-41.128	.5
42	MP4C	Mx	-.036	.5
43	MP4C	X	-71.236	4.5
44	MP4C	Z	-41.128	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
45	MP4C	Mx	-.036	4.5
46	MP1A	X	-46.239	.5
47	MP1A	Z	-26.696	.5
48	MP1A	Mx	.005	.5
49	MP1A	X	-46.239	4.5
50	MP1A	Z	-26.696	4.5
51	MP1A	Mx	.005	4.5
52	MP1B	X	-80.754	.5
53	MP1B	Z	-46.623	.5
54	MP1B	Mx	.062	.5
55	MP1B	X	-80.754	4.5
56	MP1B	Z	-46.623	4.5
57	MP1B	Mx	.062	4.5
58	MP1C	X	-53.748	.5
59	MP1C	Z	-31.032	.5
60	MP1C	Mx	-.05	.5
61	MP1C	X	-53.748	4.5
62	MP1C	Z	-31.032	4.5
63	MP1C	Mx	-.05	4.5
64	MP1A	X	-46.239	.5
65	MP1A	Z	-26.696	.5
66	MP1A	Mx	.041	.5
67	MP1A	X	-46.239	4.5
68	MP1A	Z	-26.696	4.5
69	MP1A	Mx	.041	4.5
70	MP1B	X	-80.754	.5
71	MP1B	Z	-46.623	.5
72	MP1B	Mx	-.062	.5
73	MP1B	X	-80.754	4.5
74	MP1B	Z	-46.623	4.5
75	MP1B	Mx	-.062	4.5
76	MP1C	X	-53.748	.5
77	MP1C	Z	-31.032	.5
78	MP1C	Mx	.003	.5
79	MP1C	X	-53.748	4.5
80	MP1C	Z	-31.032	4.5
81	MP1C	Mx	.003	4.5
82	MP2A	X	-10.359	.5
83	MP2A	Z	-5.981	.5
84	MP2A	Mx	.005	.5
85	MP2B	X	-26.087	.5
86	MP2B	Z	-15.062	.5
87	MP2B	Mx	0	.5
88	MP2C	X	-13.781	.5
89	MP2C	Z	-7.956	.5
90	MP2C	Mx	-.006	.5
91	MP1A	X	-30.484	1
92	MP1A	Z	-17.6	1
93	MP1A	Mx	.018	1
94	MP1B	X	-41.696	1
95	MP1B	Z	-24.073	1
96	MP1B	Mx	-.012	1
97	MP1C	X	-41.696	1
98	MP1C	Z	-24.073	1
99	MP1C	Mx	-.012	1
100	MP2A	X	-24.915	1
101	MP2A	Z	-14.385	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
102	MP2A	Mx	.014	1
103	MP2B	X	-40.304	1
104	MP2B	Z	-23.269	1
105	MP2B	Mx	-.012	1
106	MP2C	X	-40.304	1
107	MP2C	Z	-23.269	1
108	MP2C	Mx	-.012	1
109	OVP1	X	-87.349	1
110	OVP1	Z	-50.431	1
111	OVP1	Mx	0	1
112	OVP2	X	-87.349	1
113	OVP2	Z	-50.431	1
114	OVP2	Mx	0	1
115	MP1A	X	-13.436	3
116	MP1A	Z	-7.757	3
117	MP1A	Mx	.003	3
118	MP1A	X	-13.436	3
119	MP1A	Z	-7.757	3
120	MP1A	Mx	-.003	3
121	MP4B	X	-29.312	1
122	MP4B	Z	-16.923	1
123	MP4B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-7.615	3
2	MP3A	Z	-13.19	3
3	MP3A	Mx	0	3
4	MP3B	X	-7.615	3
5	MP3B	Z	-13.19	3
6	MP3B	Mx	0	3
7	MP3C	X	-7.615	3
8	MP3C	Z	-13.19	3
9	MP3C	Mx	0	3
10	MP2A	X	-27.733	.5
11	MP2A	Z	-48.034	.5
12	MP2A	Mx	.014	.5
13	MP2A	X	-27.733	2.5
14	MP2A	Z	-48.034	2.5
15	MP2A	Mx	.014	2.5
16	MP2B	X	-27.733	.5
17	MP2B	Z	-48.034	.5
18	MP2B	Mx	.014	.5
19	MP2B	X	-27.733	2.5
20	MP2B	Z	-48.034	2.5
21	MP2B	Mx	.014	2.5
22	MP2C	X	-12.079	.5
23	MP2C	Z	-20.921	.5
24	MP2C	Mx	-.012	.5
25	MP2C	X	-12.079	2.5
26	MP2C	Z	-20.921	2.5
27	MP2C	Mx	-.012	2.5
28	MP4A	X	-46.202	.5
29	MP4A	Z	-80.024	.5
30	MP4A	Mx	.023	.5
31	MP4A	X	-46.202	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
32	MP4A	Z	-80.024	4.5
33	MP4A	Mx	.023	4.5
34	MP4B	X	-46.202	.5
35	MP4B	Z	-80.024	.5
36	MP4B	Mx	.023	.5
37	MP4B	X	-46.202	4.5
38	MP4B	Z	-80.024	4.5
39	MP4B	Mx	.023	4.5
40	MP4C	X	-38.591	.5
41	MP4C	Z	-66.842	.5
42	MP4C	Mx	-.039	.5
43	MP4C	X	-38.591	4.5
44	MP4C	Z	-66.842	4.5
45	MP4C	Mx	-.039	4.5
46	MP1A	X	-39.981	.5
47	MP1A	Z	-69.249	.5
48	MP1A	Mx	-.026	.5
49	MP1A	X	-39.981	4.5
50	MP1A	Z	-69.249	4.5
51	MP1A	Mx	-.026	4.5
52	MP1B	X	-39.981	.5
53	MP1B	Z	-69.249	.5
54	MP1B	Mx	.066	.5
55	MP1B	X	-39.981	4.5
56	MP1B	Z	-69.249	4.5
57	MP1B	Mx	.066	4.5
58	MP1C	X	-20.855	.5
59	MP1C	Z	-36.122	.5
60	MP1C	Mx	-.025	.5
61	MP1C	X	-20.855	4.5
62	MP1C	Z	-36.122	4.5
63	MP1C	Mx	-.025	4.5
64	MP1A	X	-39.981	.5
65	MP1A	Z	-69.249	.5
66	MP1A	Mx	.066	.5
67	MP1A	X	-39.981	4.5
68	MP1A	Z	-69.249	4.5
69	MP1A	Mx	.066	4.5
70	MP1B	X	-39.981	.5
71	MP1B	Z	-69.249	.5
72	MP1B	Mx	-.026	.5
73	MP1B	X	-39.981	4.5
74	MP1B	Z	-69.249	4.5
75	MP1B	Mx	-.026	4.5
76	MP1C	X	-20.855	.5
77	MP1C	Z	-36.122	.5
78	MP1C	Mx	-.016	.5
79	MP1C	X	-20.855	4.5
80	MP1C	Z	-36.122	4.5
81	MP1C	Mx	-.016	4.5
82	MP2A	X	-12.035	.5
83	MP2A	Z	-20.845	.5
84	MP2A	Mx	.006	.5
85	MP2B	X	-12.035	.5
86	MP2B	Z	-20.845	.5
87	MP2B	Mx	.006	.5
88	MP2C	X	-3.319	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
89	MP2C	Z	-5.748	5
90	MP2C	Mx	- .003	5
91	MP1A	X	-19.758	1
92	MP1A	Z	-34.221	1
93	MP1A	Mx	.017	1
94	MP1B	X	-26.231	1
95	MP1B	Z	-45.433	1
96	MP1B	Mx	0	1
97	MP1C	X	-19.758	1
98	MP1C	Z	-34.221	1
99	MP1C	Mx	-.017	1
100	MP2A	X	-17.346	1
101	MP2A	Z	-30.044	1
102	MP2A	Mx	.015	1
103	MP2B	X	-26.231	1
104	MP2B	Z	-45.433	1
105	MP2B	Mx	0	1
106	MP2C	X	-17.346	1
107	MP2C	Z	-30.044	1
108	MP2C	Mx	-.015	1
109	OVP1	X	-53.646	1
110	OVP1	Z	-92.918	1
111	OVP1	Mx	0	1
112	OVP2	X	-53.646	1
113	OVP2	Z	-92.918	1
114	OVP2	Mx	0	1
115	MP1A	X	-13.417	3
116	MP1A	Z	-23.238	3
117	MP1A	Mx	.003	3
118	MP1A	X	-13.417	3
119	MP1A	Z	-23.238	3
120	MP1A	Mx	-.003	3
121	MP4B	X	-15.231	1
122	MP4B	Z	-26.38	1
123	MP4B	Mx	-.008	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	3
2	MP3A	Z	-3.966	3
3	MP3A	Mx	.000992	3
4	MP3B	X	0	3
5	MP3B	Z	-3.966	3
6	MP3B	Mx	.000992	3
7	MP3C	X	0	3
8	MP3C	Z	-3.966	3
9	MP3C	Mx	.000992	3
10	MP2A	X	0	.5
11	MP2A	Z	-16.539	.5
12	MP2A	Mx	0	.5
13	MP2A	X	0	2.5
14	MP2A	Z	-16.539	2.5
15	MP2A	Mx	0	2.5
16	MP2B	X	0	.5
17	MP2B	Z	-9.644	.5
18	MP2B	Mx	.004	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
19	MP2B	X	0	2.5
20	MP2B	Z	-9.644	2.5
21	MP2B	Mx	.004	2.5
22	MP2C	X	0	.5
23	MP2C	Z	-8.421	.5
24	MP2C	Mx	-.004	.5
25	MP2C	X	0	2.5
26	MP2C	Z	-8.421	2.5
27	MP2C	Mx	-.004	2.5
28	MP4A	X	0	.5
29	MP4A	Z	-20.56	.5
30	MP4A	Mx	0	.5
31	MP4A	X	0	4.5
32	MP4A	Z	-20.56	4.5
33	MP4A	Mx	0	4.5
34	MP4B	X	0	.5
35	MP4B	Z	-17.815	.5
36	MP4B	Mx	.008	.5
37	MP4B	X	0	4.5
38	MP4B	Z	-17.815	4.5
39	MP4B	Mx	.008	4.5
40	MP4C	X	0	.5
41	MP4C	Z	-17.815	.5
42	MP4C	Mx	-.008	.5
43	MP4C	X	0	4.5
44	MP4C	Z	-17.815	4.5
45	MP4C	Mx	-.008	4.5
46	MP1A	X	0	.5
47	MP1A	Z	-27.761	.5
48	MP1A	Mx	-.019	.5
49	MP1A	X	0	4.5
50	MP1A	Z	-27.761	4.5
51	MP1A	Mx	-.019	4.5
52	MP1B	X	0	.5
53	MP1B	Z	-21.581	.5
54	MP1B	Mx	.017	.5
55	MP1B	X	0	4.5
56	MP1B	Z	-21.581	4.5
57	MP1B	Mx	.017	4.5
58	MP1C	X	0	.5
59	MP1C	Z	-20.485	.5
60	MP1C	Mx	-.005	.5
61	MP1C	X	0	4.5
62	MP1C	Z	-20.485	4.5
63	MP1C	Mx	-.005	4.5
64	MP1A	X	0	.5
65	MP1A	Z	-27.761	.5
66	MP1A	Mx	.019	.5
67	MP1A	X	0	4.5
68	MP1A	Z	-27.761	4.5
69	MP1A	Mx	.019	4.5
70	MP1B	X	0	.5
71	MP1B	Z	-21.581	.5
72	MP1B	Mx	.002	.5
73	MP1B	X	0	4.5
74	MP1B	Z	-21.581	4.5
75	MP1B	Mx	.002	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
76	MP1C	X	0	.5
77	MP1C	Z	-20.485	.5
78	MP1C	Mx	-.014	.5
79	MP1C	X	0	4.5
80	MP1C	Z	-20.485	4.5
81	MP1C	Mx	-.014	4.5
82	MP2A	X	0	5
83	MP2A	Z	-7.66	5
84	MP2A	Mx	0	5
85	MP2B	X	0	5
86	MP2B	Z	-3.868	5
87	MP2B	Mx	.002	5
88	MP2C	X	0	5
89	MP2C	Z	-3.195	5
90	MP2C	Mx	-.002	5
91	MP1A	X	0	1
92	MP1A	Z	-13.286	1
93	MP1A	Mx	.003	1
94	MP1B	X	0	1
95	MP1B	Z	-13.286	1
96	MP1B	Mx	.003	1
97	MP1C	X	0	1
98	MP1C	Z	-10.16	1
99	MP1C	Mx	-.005	1
100	MP2A	X	0	1
101	MP2A	Z	-12.89	1
102	MP2A	Mx	.003	1
103	MP2B	X	0	1
104	MP2B	Z	-12.89	1
105	MP2B	Mx	.003	1
106	MP2C	X	0	1
107	MP2C	Z	-8.577	1
108	MP2C	Mx	-.004	1
109	OVP1	X	0	1
110	OVP1	Z	-27.222	1
111	OVP1	Mx	0	1
112	OVP2	X	0	1
113	OVP2	Z	-27.222	1
114	OVP2	Mx	0	1
115	MP1A	X	0	3
116	MP1A	Z	-8.127	3
117	MP1A	Mx	0	3
118	MP1A	X	0	3
119	MP1A	Z	-8.127	3
120	MP1A	Mx	0	3
121	MP4B	X	0	1
122	MP4B	Z	-6.163	1
123	MP4B	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.958	3
2	MP3A	Z	-3.392	3
3	MP3A	Mx	.002	3
4	MP3B	X	1.958	3
5	MP3B	Z	-3.392	3



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP3B	Mx	.002	3
7	MP3C	X	1.958	3
8	MP3C	Z	-3.392	3
9	MP3C	Mx	.002	3
10	MP2A	X	7.12	.5
11	MP2A	Z	-12.333	.5
12	MP2A	Mx	-.004	.5
13	MP2A	X	7.12	2.5
14	MP2A	Z	-12.333	2.5
15	MP2A	Mx	-.004	2.5
16	MP2B	X	3.673	.5
17	MP2B	Z	-6.362	.5
18	MP2B	Mx	.004	.5
19	MP2B	X	3.673	2.5
20	MP2B	Z	-6.362	2.5
21	MP2B	Mx	.004	2.5
22	MP2C	X	6.37	.5
23	MP2C	Z	-11.034	.5
24	MP2C	Mx	-.004	.5
25	MP2C	X	6.37	2.5
26	MP2C	Z	-11.034	2.5
27	MP2C	Mx	-.004	2.5
28	MP4A	X	9.823	.5
29	MP4A	Z	-17.013	.5
30	MP4A	Mx	-.005	.5
31	MP4A	X	9.823	4.5
32	MP4A	Z	-17.013	4.5
33	MP4A	Mx	-.005	4.5
34	MP4B	X	8.45	.5
35	MP4B	Z	-14.635	.5
36	MP4B	Mx	.008	.5
37	MP4B	X	8.45	4.5
38	MP4B	Z	-14.635	4.5
39	MP4B	Mx	.008	4.5
40	MP4C	X	9.823	.5
41	MP4C	Z	-17.013	.5
42	MP4C	Mx	-.005	.5
43	MP4C	X	9.823	4.5
44	MP4C	Z	-17.013	4.5
45	MP4C	Mx	-.005	4.5
46	MP1A	X	12.851	.5
47	MP1A	Z	-22.258	.5
48	MP1A	Mx	-.021	.5
49	MP1A	X	12.851	4.5
50	MP1A	Z	-22.258	4.5
51	MP1A	Mx	-.021	4.5
52	MP1B	X	9.76	.5
53	MP1B	Z	-16.905	.5
54	MP1B	Mx	.01	.5
55	MP1B	X	9.76	4.5
56	MP1B	Z	-16.905	4.5
57	MP1B	Mx	.01	4.5
58	MP1C	X	12.178	.5
59	MP1C	Z	-21.093	.5
60	MP1C	Mx	.005	.5
61	MP1C	X	12.178	4.5
62	MP1C	Z	-21.093	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
63	MP1C	Mx	.005	4.5
64	MP1A	X	12.851	.5
65	MP1A	Z	-22.258	.5
66	MP1A	Mx	.008	.5
67	MP1A	X	12.851	4.5
68	MP1A	Z	-22.258	4.5
69	MP1A	Mx	.008	4.5
70	MP1B	X	9.76	.5
71	MP1B	Z	-16.905	.5
72	MP1B	Mx	.01	.5
73	MP1B	X	9.76	4.5
74	MP1B	Z	-16.905	4.5
75	MP1B	Mx	.01	4.5
76	MP1C	X	12.178	.5
77	MP1C	Z	-21.093	.5
78	MP1C	Mx	-.02	.5
79	MP1C	X	12.178	4.5
80	MP1C	Z	-21.093	4.5
81	MP1C	Mx	-.02	4.5
82	MP2A	X	3.198	5
83	MP2A	Z	-5.539	5
84	MP2A	Mx	-.002	5
85	MP2B	X	1.302	5
86	MP2B	Z	-2.255	5
87	MP2B	Mx	.001	5
88	MP2C	X	2.785	5
89	MP2C	Z	-4.824	5
90	MP2C	Mx	-.002	5
91	MP1A	X	7.164	1
92	MP1A	Z	-12.408	1
93	MP1A	Mx	0	1
94	MP1B	X	5.601	1
95	MP1B	Z	-9.701	1
96	MP1B	Mx	.005	1
97	MP1C	X	5.601	1
98	MP1C	Z	-9.701	1
99	MP1C	Mx	-.005	1
100	MP2A	X	7.164	1
101	MP2A	Z	-12.408	1
102	MP2A	Mx	0	1
103	MP2B	X	5.007	1
104	MP2B	Z	-8.673	1
105	MP2B	Mx	.004	1
106	MP2C	X	5.007	1
107	MP2C	Z	-8.673	1
108	MP2C	Mx	-.004	1
109	OVP1	X	12.106	1
110	OVP1	Z	-20.969	1
111	OVP1	Mx	0	1
112	OVP2	X	12.106	1
113	OVP2	Z	-20.969	1
114	OVP2	Mx	0	1
115	MP1A	X	3.469	3
116	MP1A	Z	-6.008	3
117	MP1A	Mx	-.000867	3
118	MP1A	X	3.469	3
119	MP1A	Z	-6.008	3



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
120	MP1A	Mx	.000867	3
121	MP4B	X	2.824	1
122	MP4B	Z	-4.892	1
123	MP4B	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	3.371	3
2	MP3A	Z	-1.946	3
3	MP3A	Mx	.002	3
4	MP3B	X	3.371	3
5	MP3B	Z	-1.946	3
6	MP3B	Mx	.002	3
7	MP3C	X	3.371	3
8	MP3C	Z	-1.946	3
9	MP3C	Mx	.002	3
10	MP2A	X	8.352	.5
11	MP2A	Z	-4.822	.5
12	MP2A	Mx	-.004	.5
13	MP2A	X	8.352	2.5
14	MP2A	Z	-4.822	2.5
15	MP2A	Mx	-.004	2.5
16	MP2B	X	8.352	.5
17	MP2B	Z	-4.822	.5
18	MP2B	Mx	.004	.5
19	MP2B	X	8.352	2.5
20	MP2B	Z	-4.822	2.5
21	MP2B	Mx	.004	2.5
22	MP2C	X	14.083	.5
23	MP2C	Z	-8.131	.5
24	MP2C	Mx	-.001	.5
25	MP2C	X	14.083	2.5
26	MP2C	Z	-8.131	2.5
27	MP2C	Mx	-.001	2.5
28	MP4A	X	15.428	.5
29	MP4A	Z	-8.907	.5
30	MP4A	Mx	-.008	.5
31	MP4A	X	15.428	4.5
32	MP4A	Z	-8.907	4.5
33	MP4A	Mx	-.008	4.5
34	MP4B	X	15.428	.5
35	MP4B	Z	-8.907	.5
36	MP4B	Mx	.008	.5
37	MP4B	X	15.428	4.5
38	MP4B	Z	-8.907	4.5
39	MP4B	Mx	.008	4.5
40	MP4C	X	17.806	.5
41	MP4C	Z	-10.28	.5
42	MP4C	Mx	0	.5
43	MP4C	X	17.806	4.5
44	MP4C	Z	-10.28	4.5
45	MP4C	Mx	0	4.5
46	MP1A	X	18.69	.5
47	MP1A	Z	-10.79	.5
48	MP1A	Mx	-.017	.5
49	MP1A	X	18.69	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]	
50	MP1A	Z	-10.79	4.5
51	MP1A	Mx	-.017	4.5
52	MP1B	X	18.69	.5
53	MP1B	Z	-10.79	.5
54	MP1B	Mx	.002	.5
55	MP1B	X	18.69	4.5
56	MP1B	Z	-10.79	4.5
57	MP1B	Mx	.002	4.5
58	MP1C	X	23.827	.5
59	MP1C	Z	-13.756	.5
60	MP1C	Mx	.016	.5
61	MP1C	X	23.827	4.5
62	MP1C	Z	-13.756	4.5
63	MP1C	Mx	.016	4.5
64	MP1A	X	18.69	.5
65	MP1A	Z	-10.79	.5
66	MP1A	Mx	-.002	.5
67	MP1A	X	18.69	4.5
68	MP1A	Z	-10.79	4.5
69	MP1A	Mx	-.002	4.5
70	MP1B	X	18.69	.5
71	MP1B	Z	-10.79	.5
72	MP1B	Mx	.017	.5
73	MP1B	X	18.69	4.5
74	MP1B	Z	-10.79	4.5
75	MP1B	Mx	.017	4.5
76	MP1C	X	23.827	.5
77	MP1C	Z	-13.756	.5
78	MP1C	Mx	-.02	.5
79	MP1C	X	23.827	4.5
80	MP1C	Z	-13.756	4.5
81	MP1C	Mx	-.02	4.5
82	MP2A	X	3.35	5
83	MP2A	Z	-1.934	5
84	MP2A	Mx	-.002	5
85	MP2B	X	3.35	5
86	MP2B	Z	-1.934	5
87	MP2B	Mx	.002	5
88	MP2C	X	6.501	5
89	MP2C	Z	-3.754	5
90	MP2C	Mx	-.000652	5
91	MP1A	X	11.506	1
92	MP1A	Z	-6.643	1
93	MP1A	Mx	-.003	1
94	MP1B	X	8.799	1
95	MP1B	Z	-5.08	1
96	MP1B	Mx	.005	1
97	MP1C	X	11.506	1
98	MP1C	Z	-6.643	1
99	MP1C	Mx	-.003	1
100	MP2A	X	11.163	1
101	MP2A	Z	-6.445	1
102	MP2A	Mx	-.003	1
103	MP2B	X	7.428	1
104	MP2B	Z	-4.288	1
105	MP2B	Mx	.004	1
106	MP2C	X	11.163	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
107	MP2C	Z	-6.445	1
108	MP2C	Mx	-.003	1
109	OVP1	X	19.665	1
110	OVP1	Z	-11.354	1
111	OVP1	Mx	0	1
112	OVP2	X	19.665	1
113	OVP2	Z	-11.354	1
114	OVP2	Mx	0	1
115	MP1A	X	3.947	3
116	MP1A	Z	-2.279	3
117	MP1A	Mx	-.000987	3
118	MP1A	X	3.947	3
119	MP1A	Z	-2.279	3
120	MP1A	Mx	.000987	3
121	MP4B	X	5.338	1
122	MP4B	Z	-3.082	1
123	MP4B	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	3.917	3
2	MP3A	Z	0	3
3	MP3A	Mx	.002	3
4	MP3B	X	3.917	3
5	MP3B	Z	0	3
6	MP3B	Mx	.002	3
7	MP3C	X	3.917	3
8	MP3C	Z	0	3
9	MP3C	Mx	.002	3
10	MP2A	X	7.346	.5
11	MP2A	Z	0	.5
12	MP2A	Mx	-.004	.5
13	MP2A	X	7.346	2.5
14	MP2A	Z	0	2.5
15	MP2A	Mx	-.004	2.5
16	MP2B	X	14.241	.5
17	MP2B	Z	0	.5
18	MP2B	Mx	.004	.5
19	MP2B	X	14.241	2.5
20	MP2B	Z	0	2.5
21	MP2B	Mx	.004	2.5
22	MP2C	X	15.464	.5
23	MP2C	Z	0	.5
24	MP2C	Mx	.003	.5
25	MP2C	X	15.464	2.5
26	MP2C	Z	0	2.5
27	MP2C	Mx	.003	2.5
28	MP4A	X	16.899	.5
29	MP4A	Z	0	.5
30	MP4A	Mx	-.008	.5
31	MP4A	X	16.899	4.5
32	MP4A	Z	0	4.5
33	MP4A	Mx	-.008	4.5
34	MP4B	X	19.645	.5
35	MP4B	Z	0	.5
36	MP4B	Mx	.005	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
37	MP4B	X	19.645	4.5
38	MP4B	Z	0	4.5
39	MP4B	Mx	.005	4.5
40	MP4C	X	19.645	.5
41	MP4C	Z	0	.5
42	MP4C	Mx	.005	.5
43	MP4C	X	19.645	4.5
44	MP4C	Z	0	4.5
45	MP4C	Mx	.005	4.5
46	MP1A	X	19.521	.5
47	MP1A	Z	0	.5
48	MP1A	Mx	-.01	.5
49	MP1A	X	19.521	4.5
50	MP1A	Z	0	4.5
51	MP1A	Mx	-.01	4.5
52	MP1B	X	25.701	.5
53	MP1B	Z	0	.5
54	MP1B	Mx	-.008	.5
55	MP1B	X	25.701	4.5
56	MP1B	Z	0	4.5
57	MP1B	Mx	-.008	4.5
58	MP1C	X	26.797	.5
59	MP1C	Z	0	.5
60	MP1C	Mx	.021	.5
61	MP1C	X	26.797	4.5
62	MP1C	Z	0	4.5
63	MP1C	Mx	.021	4.5
64	MP1A	X	19.521	.5
65	MP1A	Z	0	.5
66	MP1A	Mx	-.01	.5
67	MP1A	X	19.521	4.5
68	MP1A	Z	0	4.5
69	MP1A	Mx	-.01	4.5
70	MP1B	X	25.701	.5
71	MP1B	Z	0	.5
72	MP1B	Mx	.021	.5
73	MP1B	X	25.701	4.5
74	MP1B	Z	0	4.5
75	MP1B	Mx	.021	4.5
76	MP1C	X	26.797	.5
77	MP1C	Z	0	.5
78	MP1C	Mx	-.012	.5
79	MP1C	X	26.797	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	-.012	4.5
82	MP2A	X	2.604	5
83	MP2A	Z	0	5
84	MP2A	Mx	-.001	5
85	MP2B	X	6.396	5
86	MP2B	Z	0	5
87	MP2B	Mx	.002	5
88	MP2C	X	7.068	5
89	MP2C	Z	0	5
90	MP2C	Mx	.001	5
91	MP1A	X	11.202	1
92	MP1A	Z	0	1
93	MP1A	Mx	-.005	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
94	MP1B	X	11.202	1
95	MP1B	Z	0	1
96	MP1B	Mx	.005	1
97	MP1C	X	14.327	1
98	MP1C	Z	0	1
99	MP1C	Mx	0	1
100	MP2A	X	10.014	1
101	MP2A	Z	0	1
102	MP2A	Mx	-.004	1
103	MP2B	X	10.014	1
104	MP2B	Z	0	1
105	MP2B	Mx	.004	1
106	MP2C	X	14.327	1
107	MP2C	Z	0	1
108	MP2C	Mx	0	1
109	OVP1	X	24.213	1
110	OVP1	Z	0	1
111	OVP1	Mx	0	1
112	OVP2	X	24.213	1
113	OVP2	Z	0	1
114	OVP2	Mx	0	1
115	MP1A	X	3.368	3
116	MP1A	Z	0	3
117	MP1A	Mx	-.000842	3
118	MP1A	X	3.368	3
119	MP1A	Z	0	3
120	MP1A	Mx	.000842	3
121	MP4B	X	7.193	1
122	MP4B	Z	0	1
123	MP4B	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	3.434	3
2	MP3A	Z	1.983	3
3	MP3A	Mx	.000991	3
4	MP3B	X	3.434	3
5	MP3B	Z	1.983	3
6	MP3B	Mx	.000991	3
7	MP3C	X	3.434	3
8	MP3C	Z	1.983	3
9	MP3C	Mx	.000991	3
10	MP2A	X	8.352	.5
11	MP2A	Z	4.822	.5
12	MP2A	Mx	-.004	.5
13	MP2A	X	8.352	2.5
14	MP2A	Z	4.822	2.5
15	MP2A	Mx	-.004	2.5
16	MP2B	X	14.323	.5
17	MP2B	Z	8.27	.5
18	MP2B	Mx	0	.5
19	MP2B	X	14.323	2.5
20	MP2B	Z	8.27	2.5
21	MP2B	Mx	0	2.5
22	MP2C	X	9.651	.5
23	MP2C	Z	5.572	.5





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
24	MP2C	Mx	.004	.5
25	MP2C	X	9.651	2.5
26	MP2C	Z	5.572	2.5
27	MP2C	Mx	.004	2.5
28	MP4A	X	15.428	.5
29	MP4A	Z	8.907	.5
30	MP4A	Mx	-.008	.5
31	MP4A	X	15.428	4.5
32	MP4A	Z	8.907	4.5
33	MP4A	Mx	-.008	4.5
34	MP4B	X	17.806	.5
35	MP4B	Z	10.28	.5
36	MP4B	Mx	0	.5
37	MP4B	X	17.806	4.5
38	MP4B	Z	10.28	4.5
39	MP4B	Mx	0	4.5
40	MP4C	X	15.428	.5
41	MP4C	Z	8.907	.5
42	MP4C	Mx	.008	.5
43	MP4C	X	15.428	4.5
44	MP4C	Z	8.907	4.5
45	MP4C	Mx	.008	4.5
46	MP1A	X	18.69	.5
47	MP1A	Z	10.79	.5
48	MP1A	Mx	-.002	.5
49	MP1A	X	18.69	4.5
50	MP1A	Z	10.79	4.5
51	MP1A	Mx	-.002	4.5
52	MP1B	X	24.042	.5
53	MP1B	Z	13.881	.5
54	MP1B	Mx	-.019	.5
55	MP1B	X	24.042	4.5
56	MP1B	Z	13.881	4.5
57	MP1B	Mx	-.019	4.5
58	MP1C	X	19.854	.5
59	MP1C	Z	11.463	.5
60	MP1C	Mx	.019	.5
61	MP1C	X	19.854	4.5
62	MP1C	Z	11.463	4.5
63	MP1C	Mx	.019	4.5
64	MP1A	X	18.69	.5
65	MP1A	Z	10.79	.5
66	MP1A	Mx	-.017	.5
67	MP1A	X	18.69	4.5
68	MP1A	Z	10.79	4.5
69	MP1A	Mx	-.017	4.5
70	MP1B	X	24.042	.5
71	MP1B	Z	13.881	.5
72	MP1B	Mx	.019	.5
73	MP1B	X	24.042	4.5
74	MP1B	Z	13.881	4.5
75	MP1B	Mx	.019	4.5
76	MP1C	X	19.854	.5
77	MP1C	Z	11.463	.5
78	MP1C	Mx	-.001	.5
79	MP1C	X	19.854	4.5
80	MP1C	Z	11.463	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
81	MP1C	Mx	-.001	4.5
82	MP2A	X	3.35	5
83	MP2A	Z	1.934	5
84	MP2A	Mx	-.002	5
85	MP2B	X	6.633	5
86	MP2B	Z	3.83	5
87	MP2B	Mx	0	5
88	MP2C	X	4.064	5
89	MP2C	Z	2.346	5
90	MP2C	Mx	.002	5
91	MP1A	X	8.799	1
92	MP1A	Z	5.08	1
93	MP1A	Mx	-.005	1
94	MP1B	X	11.506	1
95	MP1B	Z	6.643	1
96	MP1B	Mx	.003	1
97	MP1C	X	11.506	1
98	MP1C	Z	6.643	1
99	MP1C	Mx	.003	1
100	MP2A	X	7.428	1
101	MP2A	Z	4.288	1
102	MP2A	Mx	-.004	1
103	MP2B	X	11.163	1
104	MP2B	Z	6.445	1
105	MP2B	Mx	.003	1
106	MP2C	X	11.163	1
107	MP2C	Z	6.445	1
108	MP2C	Mx	.003	1
109	OVP1	X	23.575	1
110	OVP1	Z	13.611	1
111	OVP1	Mx	0	1
112	OVP2	X	23.575	1
113	OVP2	Z	13.611	1
114	OVP2	Mx	0	1
115	MP1A	X	3.947	3
116	MP1A	Z	2.279	3
117	MP1A	Mx	-.000987	3
118	MP1A	X	3.947	3
119	MP1A	Z	2.279	3
120	MP1A	Mx	.000987	3
121	MP4B	X	6.675	1
122	MP4B	Z	3.854	1
123	MP4B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.995	3
2	MP3A	Z	3.455	3
3	MP3A	Mx	0	3
4	MP3B	X	1.995	3
5	MP3B	Z	3.455	3
6	MP3B	Mx	0	3
7	MP3C	X	1.995	3
8	MP3C	Z	3.455	3
9	MP3C	Mx	0	3
10	MP2A	X	7.12	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
11	MP2A	Z	12.333	.5
12	MP2A	Mx	-.004	.5
13	MP2A	X	7.12	2.5
14	MP2A	Z	12.333	2.5
15	MP2A	Mx	-.004	2.5
16	MP2B	X	7.12	.5
17	MP2B	Z	12.333	.5
18	MP2B	Mx	-.004	.5
19	MP2B	X	7.12	2.5
20	MP2B	Z	12.333	2.5
21	MP2B	Mx	-.004	2.5
22	MP2C	X	3.812	.5
23	MP2C	Z	6.602	.5
24	MP2C	Mx	.004	.5
25	MP2C	X	3.812	2.5
26	MP2C	Z	6.602	2.5
27	MP2C	Mx	.004	2.5
28	MP4A	X	9.823	.5
29	MP4A	Z	17.013	.5
30	MP4A	Mx	-.005	.5
31	MP4A	X	9.823	4.5
32	MP4A	Z	17.013	4.5
33	MP4A	Mx	-.005	4.5
34	MP4B	X	9.823	.5
35	MP4B	Z	17.013	.5
36	MP4B	Mx	-.005	.5
37	MP4B	X	9.823	4.5
38	MP4B	Z	17.013	4.5
39	MP4B	Mx	-.005	4.5
40	MP4C	X	8.45	.5
41	MP4C	Z	14.635	.5
42	MP4C	Mx	.008	.5
43	MP4C	X	8.45	4.5
44	MP4C	Z	14.635	4.5
45	MP4C	Mx	.008	4.5
46	MP1A	X	12.851	.5
47	MP1A	Z	22.258	.5
48	MP1A	Mx	.008	.5
49	MP1A	X	12.851	4.5
50	MP1A	Z	22.258	4.5
51	MP1A	Mx	.008	4.5
52	MP1B	X	12.851	.5
53	MP1B	Z	22.258	.5
54	MP1B	Mx	-.021	.5
55	MP1B	X	12.851	4.5
56	MP1B	Z	22.258	4.5
57	MP1B	Mx	-.021	4.5
58	MP1C	X	9.885	.5
59	MP1C	Z	17.121	.5
60	MP1C	Mx	.012	.5
61	MP1C	X	9.885	4.5
62	MP1C	Z	17.121	4.5
63	MP1C	Mx	.012	4.5
64	MP1A	X	12.851	.5
65	MP1A	Z	22.258	.5
66	MP1A	Mx	-.021	.5
67	MP1A	X	12.851	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
68	MP1A	Z	22.258	4.5
69	MP1A	Mx	-.021	4.5
70	MP1B	X	12.851	.5
71	MP1B	Z	22.258	.5
72	MP1B	Mx	.008	.5
73	MP1B	X	12.851	4.5
74	MP1B	Z	22.258	4.5
75	MP1B	Mx	.008	4.5
76	MP1C	X	9.885	.5
77	MP1C	Z	17.121	.5
78	MP1C	Mx	.007	.5
79	MP1C	X	9.885	4.5
80	MP1C	Z	17.121	4.5
81	MP1C	Mx	.007	4.5
82	MP2A	X	3.198	5
83	MP2A	Z	5.539	5
84	MP2A	Mx	-.002	5
85	MP2B	X	3.198	5
86	MP2B	Z	5.539	5
87	MP2B	Mx	-.002	5
88	MP2C	X	1.378	5
89	MP2C	Z	2.387	5
90	MP2C	Mx	.001	5
91	MP1A	X	5.601	1
92	MP1A	Z	9.701	1
93	MP1A	Mx	-.005	1
94	MP1B	X	7.164	1
95	MP1B	Z	12.408	1
96	MP1B	Mx	0	1
97	MP1C	X	5.601	1
98	MP1C	Z	9.701	1
99	MP1C	Mx	.005	1
100	MP2A	X	5.007	1
101	MP2A	Z	8.673	1
102	MP2A	Mx	-.004	1
103	MP2B	X	7.164	1
104	MP2B	Z	12.408	1
105	MP2B	Mx	0	1
106	MP2C	X	5.007	1
107	MP2C	Z	8.673	1
108	MP2C	Mx	.004	1
109	OVP1	X	14.364	1
110	OVP1	Z	24.878	1
111	OVP1	Mx	0	1
112	OVP2	X	14.364	1
113	OVP2	Z	24.878	1
114	OVP2	Mx	0	1
115	MP1A	X	3.469	3
116	MP1A	Z	6.008	3
117	MP1A	Mx	-.000867	3
118	MP1A	X	3.469	3
119	MP1A	Z	6.008	3
120	MP1A	Mx	.000867	3
121	MP4B	X	3.597	1
122	MP4B	Z	6.229	1
123	MP4B	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	3
2	MP3A	Z	3.966	3
3	MP3A	Mx	-.000992	3
4	MP3B	X	0	3
5	MP3B	Z	3.966	3
6	MP3B	Mx	-.000992	3
7	MP3C	X	0	3
8	MP3C	Z	3.966	3
9	MP3C	Mx	-.000992	3
10	MP2A	X	0	.5
11	MP2A	Z	16.539	.5
12	MP2A	Mx	0	.5
13	MP2A	X	0	2.5
14	MP2A	Z	16.539	2.5
15	MP2A	Mx	0	2.5
16	MP2B	X	0	.5
17	MP2B	Z	9.644	.5
18	MP2B	Mx	-.004	.5
19	MP2B	X	0	2.5
20	MP2B	Z	9.644	2.5
21	MP2B	Mx	-.004	2.5
22	MP2C	X	0	.5
23	MP2C	Z	8.421	.5
24	MP2C	Mx	.004	.5
25	MP2C	X	0	2.5
26	MP2C	Z	8.421	2.5
27	MP2C	Mx	.004	2.5
28	MP4A	X	0	.5
29	MP4A	Z	20.56	.5
30	MP4A	Mx	0	.5
31	MP4A	X	0	4.5
32	MP4A	Z	20.56	4.5
33	MP4A	Mx	0	4.5
34	MP4B	X	0	.5
35	MP4B	Z	17.815	.5
36	MP4B	Mx	-.008	.5
37	MP4B	X	0	4.5
38	MP4B	Z	17.815	4.5
39	MP4B	Mx	-.008	4.5
40	MP4C	X	0	.5
41	MP4C	Z	17.815	.5
42	MP4C	Mx	.008	.5
43	MP4C	X	0	4.5
44	MP4C	Z	17.815	4.5
45	MP4C	Mx	.008	4.5
46	MP1A	X	0	.5
47	MP1A	Z	27.761	.5
48	MP1A	Mx	.019	.5
49	MP1A	X	0	4.5
50	MP1A	Z	27.761	4.5
51	MP1A	Mx	.019	4.5
52	MP1B	X	0	.5
53	MP1B	Z	21.581	.5
54	MP1B	Mx	-.017	.5
55	MP1B	X	0	4.5
56	MP1B	Z	21.581	4.5
57	MP1B	Mx	-.017	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1C	X	0	.5
59	MP1C	Z	20.485	.5
60	MP1C	Mx	.005	.5
61	MP1C	X	0	4.5
62	MP1C	Z	20.485	4.5
63	MP1C	Mx	.005	4.5
64	MP1A	X	0	.5
65	MP1A	Z	27.761	.5
66	MP1A	Mx	-.019	.5
67	MP1A	X	0	4.5
68	MP1A	Z	27.761	4.5
69	MP1A	Mx	-.019	4.5
70	MP1B	X	0	.5
71	MP1B	Z	21.581	.5
72	MP1B	Mx	-.002	.5
73	MP1B	X	0	4.5
74	MP1B	Z	21.581	4.5
75	MP1B	Mx	-.002	4.5
76	MP1C	X	0	.5
77	MP1C	Z	20.485	.5
78	MP1C	Mx	.014	.5
79	MP1C	X	0	4.5
80	MP1C	Z	20.485	4.5
81	MP1C	Mx	.014	4.5
82	MP2A	X	0	5
83	MP2A	Z	7.66	5
84	MP2A	Mx	0	5
85	MP2B	X	0	5
86	MP2B	Z	3.868	5
87	MP2B	Mx	-.002	5
88	MP2C	X	0	5
89	MP2C	Z	3.195	5
90	MP2C	Mx	.002	5
91	MP1A	X	0	1
92	MP1A	Z	13.286	1
93	MP1A	Mx	-.003	1
94	MP1B	X	0	1
95	MP1B	Z	13.286	1
96	MP1B	Mx	-.003	1
97	MP1C	X	0	1
98	MP1C	Z	10.16	1
99	MP1C	Mx	.005	1
100	MP2A	X	0	1
101	MP2A	Z	12.89	1
102	MP2A	Mx	-.003	1
103	MP2B	X	0	1
104	MP2B	Z	12.89	1
105	MP2B	Mx	-.003	1
106	MP2C	X	0	1
107	MP2C	Z	8.577	1
108	MP2C	Mx	.004	1
109	OVP1	X	0	1
110	OVP1	Z	27.222	1
111	OVP1	Mx	0	1
112	OVP2	X	0	1
113	OVP2	Z	27.222	1
114	OVP2	Mx	0	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
115	MP1A	X	0	3
116	MP1A	Z	8.127	3
117	MP1A	Mx	0	3
118	MP1A	X	0	3
119	MP1A	Z	8.127	3
120	MP1A	Mx	0	3
121	MP4B	X	0	1
122	MP4B	Z	6.163	1
123	MP4B	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.958	3
2	MP3A	Z	3.392	3
3	MP3A	Mx	-.002	3
4	MP3B	X	-1.958	3
5	MP3B	Z	3.392	3
6	MP3B	Mx	-.002	3
7	MP3C	X	-1.958	3
8	MP3C	Z	3.392	3
9	MP3C	Mx	-.002	3
10	MP2A	X	-7.12	.5
11	MP2A	Z	12.333	.5
12	MP2A	Mx	.004	.5
13	MP2A	X	-7.12	2.5
14	MP2A	Z	12.333	2.5
15	MP2A	Mx	.004	2.5
16	MP2B	X	-3.673	.5
17	MP2B	Z	6.362	.5
18	MP2B	Mx	-.004	.5
19	MP2B	X	-3.673	2.5
20	MP2B	Z	6.362	2.5
21	MP2B	Mx	-.004	2.5
22	MP2C	X	-6.37	.5
23	MP2C	Z	11.034	.5
24	MP2C	Mx	.004	.5
25	MP2C	X	-6.37	2.5
26	MP2C	Z	11.034	2.5
27	MP2C	Mx	.004	2.5
28	MP4A	X	-9.823	.5
29	MP4A	Z	17.013	.5
30	MP4A	Mx	.005	.5
31	MP4A	X	-9.823	4.5
32	MP4A	Z	17.013	4.5
33	MP4A	Mx	.005	4.5
34	MP4B	X	-8.45	.5
35	MP4B	Z	14.635	.5
36	MP4B	Mx	-.008	.5
37	MP4B	X	-8.45	4.5
38	MP4B	Z	14.635	4.5
39	MP4B	Mx	-.008	4.5
40	MP4C	X	-9.823	.5
41	MP4C	Z	17.013	.5
42	MP4C	Mx	.005	.5
43	MP4C	X	-9.823	4.5
44	MP4C	Z	17.013	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
45	MP4C	Mx	.005	4.5
46	MP1A	X	-12.851	.5
47	MP1A	Z	22.258	.5
48	MP1A	Mx	.021	.5
49	MP1A	X	-12.851	4.5
50	MP1A	Z	22.258	4.5
51	MP1A	Mx	.021	4.5
52	MP1B	X	-9.76	.5
53	MP1B	Z	16.905	.5
54	MP1B	Mx	-.01	.5
55	MP1B	X	-9.76	4.5
56	MP1B	Z	16.905	4.5
57	MP1B	Mx	-.01	4.5
58	MP1C	X	-12.178	.5
59	MP1C	Z	21.093	.5
60	MP1C	Mx	-.005	.5
61	MP1C	X	-12.178	4.5
62	MP1C	Z	21.093	4.5
63	MP1C	Mx	-.005	4.5
64	MP1A	X	-12.851	.5
65	MP1A	Z	22.258	.5
66	MP1A	Mx	-.008	.5
67	MP1A	X	-12.851	4.5
68	MP1A	Z	22.258	4.5
69	MP1A	Mx	-.008	4.5
70	MP1B	X	-9.76	.5
71	MP1B	Z	16.905	.5
72	MP1B	Mx	-.01	.5
73	MP1B	X	-9.76	4.5
74	MP1B	Z	16.905	4.5
75	MP1B	Mx	-.01	4.5
76	MP1C	X	-12.178	.5
77	MP1C	Z	21.093	.5
78	MP1C	Mx	.02	.5
79	MP1C	X	-12.178	4.5
80	MP1C	Z	21.093	4.5
81	MP1C	Mx	.02	4.5
82	MP2A	X	-3.198	5
83	MP2A	Z	5.539	5
84	MP2A	Mx	.002	5
85	MP2B	X	-1.302	5
86	MP2B	Z	2.255	5
87	MP2B	Mx	-.001	5
88	MP2C	X	-2.785	5
89	MP2C	Z	4.824	5
90	MP2C	Mx	.002	5
91	MP1A	X	-7.164	1
92	MP1A	Z	12.408	1
93	MP1A	Mx	0	1
94	MP1B	X	-5.601	1
95	MP1B	Z	9.701	1
96	MP1B	Mx	-.005	1
97	MP1C	X	-5.601	1
98	MP1C	Z	9.701	1
99	MP1C	Mx	.005	1
100	MP2A	X	-7.164	1
101	MP2A	Z	12.408	1





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
102	MP2A	Mx	0	1
103	MP2B	X	-5.007	1
104	MP2B	Z	8.673	1
105	MP2B	Mx	-.004	1
106	MP2C	X	-5.007	1
107	MP2C	Z	8.673	1
108	MP2C	Mx	.004	1
109	OVP1	X	-12.106	1
110	OVP1	Z	20.969	1
111	OVP1	Mx	0	1
112	OVP2	X	-12.106	1
113	OVP2	Z	20.969	1
114	OVP2	Mx	0	1
115	MP1A	X	-3.469	3
116	MP1A	Z	6.008	3
117	MP1A	Mx	.000867	3
118	MP1A	X	-3.469	3
119	MP1A	Z	6.008	3
120	MP1A	Mx	-.000867	3
121	MP4B	X	-2.824	1
122	MP4B	Z	4.892	1
123	MP4B	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-3.371	3
2	MP3A	Z	1.946	3
3	MP3A	Mx	-.002	3
4	MP3B	X	-3.371	3
5	MP3B	Z	1.946	3
6	MP3B	Mx	-.002	3
7	MP3C	X	-3.371	3
8	MP3C	Z	1.946	3
9	MP3C	Mx	-.002	3
10	MP2A	X	-8.352	.5
11	MP2A	Z	4.822	.5
12	MP2A	Mx	.004	.5
13	MP2A	X	-8.352	2.5
14	MP2A	Z	4.822	2.5
15	MP2A	Mx	.004	2.5
16	MP2B	X	-8.352	.5
17	MP2B	Z	4.822	.5
18	MP2B	Mx	-.004	.5
19	MP2B	X	-8.352	2.5
20	MP2B	Z	4.822	2.5
21	MP2B	Mx	-.004	2.5
22	MP2C	X	-14.083	.5
23	MP2C	Z	8.131	.5
24	MP2C	Mx	.001	.5
25	MP2C	X	-14.083	2.5
26	MP2C	Z	8.131	2.5
27	MP2C	Mx	.001	2.5
28	MP4A	X	-15.428	.5
29	MP4A	Z	8.907	.5
30	MP4A	Mx	.008	.5
31	MP4A	X	-15.428	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
32	MP4A	Z	8.907	4.5
33	MP4A	Mx	.008	4.5
34	MP4B	X	-15.428	.5
35	MP4B	Z	8.907	.5
36	MP4B	Mx	-.008	.5
37	MP4B	X	-15.428	4.5
38	MP4B	Z	8.907	4.5
39	MP4B	Mx	-.008	4.5
40	MP4C	X	-17.806	.5
41	MP4C	Z	10.28	.5
42	MP4C	Mx	0	.5
43	MP4C	X	-17.806	4.5
44	MP4C	Z	10.28	4.5
45	MP4C	Mx	0	4.5
46	MP1A	X	-18.69	.5
47	MP1A	Z	10.79	.5
48	MP1A	Mx	.017	.5
49	MP1A	X	-18.69	4.5
50	MP1A	Z	10.79	4.5
51	MP1A	Mx	.017	4.5
52	MP1B	X	-18.69	.5
53	MP1B	Z	10.79	.5
54	MP1B	Mx	-.002	.5
55	MP1B	X	-18.69	4.5
56	MP1B	Z	10.79	4.5
57	MP1B	Mx	-.002	4.5
58	MP1C	X	-23.827	.5
59	MP1C	Z	13.756	.5
60	MP1C	Mx	-.016	.5
61	MP1C	X	-23.827	4.5
62	MP1C	Z	13.756	4.5
63	MP1C	Mx	-.016	4.5
64	MP1A	X	-18.69	.5
65	MP1A	Z	10.79	.5
66	MP1A	Mx	.002	.5
67	MP1A	X	-18.69	4.5
68	MP1A	Z	10.79	4.5
69	MP1A	Mx	.002	4.5
70	MP1B	X	-18.69	.5
71	MP1B	Z	10.79	.5
72	MP1B	Mx	-.017	.5
73	MP1B	X	-18.69	4.5
74	MP1B	Z	10.79	4.5
75	MP1B	Mx	-.017	4.5
76	MP1C	X	-23.827	.5
77	MP1C	Z	13.756	.5
78	MP1C	Mx	.02	.5
79	MP1C	X	-23.827	4.5
80	MP1C	Z	13.756	4.5
81	MP1C	Mx	.02	4.5
82	MP2A	X	-3.35	5
83	MP2A	Z	1.934	5
84	MP2A	Mx	.002	5
85	MP2B	X	-3.35	5
86	MP2B	Z	1.934	5
87	MP2B	Mx	-.002	5
88	MP2C	X	-6.501	5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
89	MP2C	Z	3.754	5
90	MP2C	Mx	.000652	5
91	MP1A	X	-11.506	1
92	MP1A	Z	6.643	1
93	MP1A	Mx	.003	1
94	MP1B	X	-8.799	1
95	MP1B	Z	5.08	1
96	MP1B	Mx	-.005	1
97	MP1C	X	-11.506	1
98	MP1C	Z	6.643	1
99	MP1C	Mx	.003	1
100	MP2A	X	-11.163	1
101	MP2A	Z	6.445	1
102	MP2A	Mx	.003	1
103	MP2B	X	-7.428	1
104	MP2B	Z	4.288	1
105	MP2B	Mx	-.004	1
106	MP2C	X	-11.163	1
107	MP2C	Z	6.445	1
108	MP2C	Mx	.003	1
109	OVP1	X	-19.665	1
110	OVP1	Z	11.354	1
111	OVP1	Mx	0	1
112	OVP2	X	-19.665	1
113	OVP2	Z	11.354	1
114	OVP2	Mx	0	1
115	MP1A	X	-3.947	3
116	MP1A	Z	2.279	3
117	MP1A	Mx	.000987	3
118	MP1A	X	-3.947	3
119	MP1A	Z	2.279	3
120	MP1A	Mx	-.000987	3
121	MP4B	X	-5.338	1
122	MP4B	Z	3.082	1
123	MP4B	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-3.917	3
2	MP3A	Z	0	3
3	MP3A	Mx	-.002	3
4	MP3B	X	-3.917	3
5	MP3B	Z	0	3
6	MP3B	Mx	-.002	3
7	MP3C	X	-3.917	3
8	MP3C	Z	0	3
9	MP3C	Mx	-.002	3
10	MP2A	X	-7.346	.5
11	MP2A	Z	0	.5
12	MP2A	Mx	.004	.5
13	MP2A	X	-7.346	2.5
14	MP2A	Z	0	2.5
15	MP2A	Mx	.004	2.5
16	MP2B	X	-14.241	.5
17	MP2B	Z	0	.5
18	MP2B	Mx	-.004	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
19	MP2B	X	-14.241	2.5
20	MP2B	Z	0	2.5
21	MP2B	Mx	-.004	2.5
22	MP2C	X	-15.464	.5
23	MP2C	Z	0	.5
24	MP2C	Mx	-.003	.5
25	MP2C	X	-15.464	2.5
26	MP2C	Z	0	2.5
27	MP2C	Mx	-.003	2.5
28	MP4A	X	-16.899	.5
29	MP4A	Z	0	.5
30	MP4A	Mx	.008	.5
31	MP4A	X	-16.899	4.5
32	MP4A	Z	0	4.5
33	MP4A	Mx	.008	4.5
34	MP4B	X	-19.645	.5
35	MP4B	Z	0	.5
36	MP4B	Mx	-.005	.5
37	MP4B	X	-19.645	4.5
38	MP4B	Z	0	4.5
39	MP4B	Mx	-.005	4.5
40	MP4C	X	-19.645	.5
41	MP4C	Z	0	.5
42	MP4C	Mx	-.005	.5
43	MP4C	X	-19.645	4.5
44	MP4C	Z	0	4.5
45	MP4C	Mx	-.005	4.5
46	MP1A	X	-19.521	.5
47	MP1A	Z	0	.5
48	MP1A	Mx	.01	.5
49	MP1A	X	-19.521	4.5
50	MP1A	Z	0	4.5
51	MP1A	Mx	.01	4.5
52	MP1B	X	-25.701	.5
53	MP1B	Z	0	.5
54	MP1B	Mx	.008	.5
55	MP1B	X	-25.701	4.5
56	MP1B	Z	0	4.5
57	MP1B	Mx	.008	4.5
58	MP1C	X	-26.797	.5
59	MP1C	Z	0	.5
60	MP1C	Mx	-.021	.5
61	MP1C	X	-26.797	4.5
62	MP1C	Z	0	4.5
63	MP1C	Mx	-.021	4.5
64	MP1A	X	-19.521	.5
65	MP1A	Z	0	.5
66	MP1A	Mx	.01	.5
67	MP1A	X	-19.521	4.5
68	MP1A	Z	0	4.5
69	MP1A	Mx	.01	4.5
70	MP1B	X	-25.701	.5
71	MP1B	Z	0	.5
72	MP1B	Mx	-.021	.5
73	MP1B	X	-25.701	4.5
74	MP1B	Z	0	4.5
75	MP1B	Mx	-.021	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
76	MP1C	X	-26.797	.5
77	MP1C	Z	0	.5
78	MP1C	Mx	.012	.5
79	MP1C	X	-26.797	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	.012	4.5
82	MP2A	X	-2.604	5
83	MP2A	Z	0	5
84	MP2A	Mx	.001	5
85	MP2B	X	-6.396	5
86	MP2B	Z	0	5
87	MP2B	Mx	-.002	5
88	MP2C	X	-7.068	5
89	MP2C	Z	0	5
90	MP2C	Mx	-.001	5
91	MP1A	X	-11.202	1
92	MP1A	Z	0	1
93	MP1A	Mx	.005	1
94	MP1B	X	-11.202	1
95	MP1B	Z	0	1
96	MP1B	Mx	-.005	1
97	MP1C	X	-14.327	1
98	MP1C	Z	0	1
99	MP1C	Mx	0	1
100	MP2A	X	-10.014	1
101	MP2A	Z	0	1
102	MP2A	Mx	.004	1
103	MP2B	X	-10.014	1
104	MP2B	Z	0	1
105	MP2B	Mx	-.004	1
106	MP2C	X	-14.327	1
107	MP2C	Z	0	1
108	MP2C	Mx	0	1
109	OVP1	X	-24.213	1
110	OVP1	Z	0	1
111	OVP1	Mx	0	1
112	OVP2	X	-24.213	1
113	OVP2	Z	0	1
114	OVP2	Mx	0	1
115	MP1A	X	-3.368	3
116	MP1A	Z	0	3
117	MP1A	Mx	.000842	3
118	MP1A	X	-3.368	3
119	MP1A	Z	0	3
120	MP1A	Mx	-.000842	3
121	MP4B	X	-7.193	1
122	MP4B	Z	0	1
123	MP4B	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-3.434	3
2	MP3A	Z	-1.983	3
3	MP3A	Mx	-.000991	3
4	MP3B	X	-3.434	3
5	MP3B	Z	-1.983	3



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP3B	Mx	-0.00991	3
7	MP3C	X	-3.434	3
8	MP3C	Z	-1.983	3
9	MP3C	Mx	-0.00991	3
10	MP2A	X	-8.352	.5
11	MP2A	Z	-4.822	.5
12	MP2A	Mx	.004	.5
13	MP2A	X	-8.352	2.5
14	MP2A	Z	-4.822	2.5
15	MP2A	Mx	.004	2.5
16	MP2B	X	-14.323	.5
17	MP2B	Z	-8.27	.5
18	MP2B	Mx	0	.5
19	MP2B	X	-14.323	2.5
20	MP2B	Z	-8.27	2.5
21	MP2B	Mx	0	2.5
22	MP2C	X	-9.651	.5
23	MP2C	Z	-5.572	.5
24	MP2C	Mx	-.004	.5
25	MP2C	X	-9.651	2.5
26	MP2C	Z	-5.572	2.5
27	MP2C	Mx	-.004	2.5
28	MP4A	X	-15.428	.5
29	MP4A	Z	-8.907	.5
30	MP4A	Mx	.008	.5
31	MP4A	X	-15.428	4.5
32	MP4A	Z	-8.907	4.5
33	MP4A	Mx	.008	4.5
34	MP4B	X	-17.806	.5
35	MP4B	Z	-10.28	.5
36	MP4B	Mx	0	.5
37	MP4B	X	-17.806	4.5
38	MP4B	Z	-10.28	4.5
39	MP4B	Mx	0	4.5
40	MP4C	X	-15.428	.5
41	MP4C	Z	-8.907	.5
42	MP4C	Mx	-.008	.5
43	MP4C	X	-15.428	4.5
44	MP4C	Z	-8.907	4.5
45	MP4C	Mx	-.008	4.5
46	MP1A	X	-18.69	.5
47	MP1A	Z	-10.79	.5
48	MP1A	Mx	.002	.5
49	MP1A	X	-18.69	4.5
50	MP1A	Z	-10.79	4.5
51	MP1A	Mx	.002	4.5
52	MP1B	X	-24.042	.5
53	MP1B	Z	-13.881	.5
54	MP1B	Mx	.019	.5
55	MP1B	X	-24.042	4.5
56	MP1B	Z	-13.881	4.5
57	MP1B	Mx	.019	4.5
58	MP1C	X	-19.854	.5
59	MP1C	Z	-11.463	.5
60	MP1C	Mx	-.019	.5
61	MP1C	X	-19.854	4.5
62	MP1C	Z	-11.463	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
63	MP1C	Mx	-.019	4.5
64	MP1A	X	-18.69	.5
65	MP1A	Z	-10.79	.5
66	MP1A	Mx	.017	.5
67	MP1A	X	-18.69	4.5
68	MP1A	Z	-10.79	4.5
69	MP1A	Mx	.017	4.5
70	MP1B	X	-24.042	.5
71	MP1B	Z	-13.881	.5
72	MP1B	Mx	-.019	.5
73	MP1B	X	-24.042	4.5
74	MP1B	Z	-13.881	4.5
75	MP1B	Mx	-.019	4.5
76	MP1C	X	-19.854	.5
77	MP1C	Z	-11.463	.5
78	MP1C	Mx	.001	.5
79	MP1C	X	-19.854	4.5
80	MP1C	Z	-11.463	4.5
81	MP1C	Mx	.001	4.5
82	MP2A	X	-3.35	5
83	MP2A	Z	-1.934	5
84	MP2A	Mx	.002	5
85	MP2B	X	-6.633	5
86	MP2B	Z	-3.83	5
87	MP2B	Mx	0	5
88	MP2C	X	-4.064	5
89	MP2C	Z	-2.346	5
90	MP2C	Mx	-.002	5
91	MP1A	X	-8.799	1
92	MP1A	Z	-5.08	1
93	MP1A	Mx	.005	1
94	MP1B	X	-11.506	1
95	MP1B	Z	-6.643	1
96	MP1B	Mx	-.003	1
97	MP1C	X	-11.506	1
98	MP1C	Z	-6.643	1
99	MP1C	Mx	-.003	1
100	MP2A	X	-7.428	1
101	MP2A	Z	-4.288	1
102	MP2A	Mx	.004	1
103	MP2B	X	-11.163	1
104	MP2B	Z	-6.445	1
105	MP2B	Mx	-.003	1
106	MP2C	X	-11.163	1
107	MP2C	Z	-6.445	1
108	MP2C	Mx	-.003	1
109	OVP1	X	-23.575	1
110	OVP1	Z	-13.611	1
111	OVP1	Mx	0	1
112	OVP2	X	-23.575	1
113	OVP2	Z	-13.611	1
114	OVP2	Mx	0	1
115	MP1A	X	-3.947	3
116	MP1A	Z	-2.279	3
117	MP1A	Mx	.000987	3
118	MP1A	X	-3.947	3
119	MP1A	Z	-2.279	3



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
120	MP1A	Mx	-0.00987	3
121	MP4B	X	-6.675	1
122	MP4B	Z	-3.854	1
123	MP4B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.995	3
2	MP3A	Z	-3.455	3
3	MP3A	Mx	0	3
4	MP3B	X	-1.995	3
5	MP3B	Z	-3.455	3
6	MP3B	Mx	0	3
7	MP3C	X	-1.995	3
8	MP3C	Z	-3.455	3
9	MP3C	Mx	0	3
10	MP2A	X	-7.12	.5
11	MP2A	Z	-12.333	.5
12	MP2A	Mx	.004	.5
13	MP2A	X	-7.12	2.5
14	MP2A	Z	-12.333	2.5
15	MP2A	Mx	.004	2.5
16	MP2B	X	-7.12	.5
17	MP2B	Z	-12.333	.5
18	MP2B	Mx	.004	.5
19	MP2B	X	-7.12	2.5
20	MP2B	Z	-12.333	2.5
21	MP2B	Mx	.004	2.5
22	MP2C	X	-3.812	.5
23	MP2C	Z	-6.602	.5
24	MP2C	Mx	-.004	.5
25	MP2C	X	-3.812	2.5
26	MP2C	Z	-6.602	2.5
27	MP2C	Mx	-.004	2.5
28	MP4A	X	-9.823	.5
29	MP4A	Z	-17.013	.5
30	MP4A	Mx	.005	.5
31	MP4A	X	-9.823	4.5
32	MP4A	Z	-17.013	4.5
33	MP4A	Mx	.005	4.5
34	MP4B	X	-9.823	.5
35	MP4B	Z	-17.013	.5
36	MP4B	Mx	.005	.5
37	MP4B	X	-9.823	4.5
38	MP4B	Z	-17.013	4.5
39	MP4B	Mx	.005	4.5
40	MP4C	X	-8.45	.5
41	MP4C	Z	-14.635	.5
42	MP4C	Mx	-.008	.5
43	MP4C	X	-8.45	4.5
44	MP4C	Z	-14.635	4.5
45	MP4C	Mx	-.008	4.5
46	MP1A	X	-12.851	.5
47	MP1A	Z	-22.258	.5
48	MP1A	Mx	-.008	.5
49	MP1A	X	-12.851	4.5





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP1A	Z	-22.258	4.5
51	MP1A	Mx	-.008	4.5
52	MP1B	X	-12.851	.5
53	MP1B	Z	-22.258	.5
54	MP1B	Mx	.021	.5
55	MP1B	X	-12.851	4.5
56	MP1B	Z	-22.258	4.5
57	MP1B	Mx	.021	4.5
58	MP1C	X	-9.885	.5
59	MP1C	Z	-17.121	.5
60	MP1C	Mx	-.012	.5
61	MP1C	X	-9.885	4.5
62	MP1C	Z	-17.121	4.5
63	MP1C	Mx	-.012	4.5
64	MP1A	X	-12.851	.5
65	MP1A	Z	-22.258	.5
66	MP1A	Mx	.021	.5
67	MP1A	X	-12.851	4.5
68	MP1A	Z	-22.258	4.5
69	MP1A	Mx	.021	4.5
70	MP1B	X	-12.851	.5
71	MP1B	Z	-22.258	.5
72	MP1B	Mx	-.008	.5
73	MP1B	X	-12.851	4.5
74	MP1B	Z	-22.258	4.5
75	MP1B	Mx	-.008	4.5
76	MP1C	X	-9.885	.5
77	MP1C	Z	-17.121	.5
78	MP1C	Mx	-.007	.5
79	MP1C	X	-9.885	4.5
80	MP1C	Z	-17.121	4.5
81	MP1C	Mx	-.007	4.5
82	MP2A	X	-3.198	5
83	MP2A	Z	-5.539	5
84	MP2A	Mx	.002	5
85	MP2B	X	-3.198	5
86	MP2B	Z	-5.539	5
87	MP2B	Mx	.002	5
88	MP2C	X	-1.378	5
89	MP2C	Z	-2.387	5
90	MP2C	Mx	-.001	5
91	MP1A	X	-5.601	1
92	MP1A	Z	-9.701	1
93	MP1A	Mx	.005	1
94	MP1B	X	-7.164	1
95	MP1B	Z	-12.408	1
96	MP1B	Mx	0	1
97	MP1C	X	-5.601	1
98	MP1C	Z	-9.701	1
99	MP1C	Mx	-.005	1
100	MP2A	X	-5.007	1
101	MP2A	Z	-8.673	1
102	MP2A	Mx	.004	1
103	MP2B	X	-7.164	1
104	MP2B	Z	-12.408	1
105	MP2B	Mx	0	1
106	MP2C	X	-5.007	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
107	MP2C	Z	-8.673	1
108	MP2C	Mx	-.004	1
109	OVP1	X	-14.364	1
110	OVP1	Z	-24.878	1
111	OVP1	Mx	0	1
112	OVP2	X	-14.364	1
113	OVP2	Z	-24.878	1
114	OVP2	Mx	0	1
115	MP1A	X	-3.469	3
116	MP1A	Z	-6.008	3
117	MP1A	Mx	.000867	3
118	MP1A	X	-3.469	3
119	MP1A	Z	-6.008	3
120	MP1A	Mx	-.000867	3
121	MP4B	X	-3.597	1
122	MP4B	Z	-6.229	1
123	MP4B	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	3
2	MP3A	Z	-.912	3
3	MP3A	Mx	.000228	3
4	MP3B	X	0	3
5	MP3B	Z	-.912	3
6	MP3B	Mx	.000228	3
7	MP3C	X	0	3
8	MP3C	Z	-.912	3
9	MP3C	Mx	.000228	3
10	MP2A	X	0	.5
11	MP2A	Z	-4.146	.5
12	MP2A	Mx	0	.5
13	MP2A	X	0	2.5
14	MP2A	Z	-4.146	2.5
15	MP2A	Mx	0	2.5
16	MP2B	X	0	.5
17	MP2B	Z	-2.107	.5
18	MP2B	Mx	.000912	.5
19	MP2B	X	0	2.5
20	MP2B	Z	-2.107	2.5
21	MP2B	Mx	.000912	2.5
22	MP2C	X	0	.5
23	MP2C	Z	-1.746	.5
24	MP2C	Mx	-.00082	.5
25	MP2C	X	0	2.5
26	MP2C	Z	-1.746	2.5
27	MP2C	Mx	-.00082	2.5
28	MP4A	X	0	.5
29	MP4A	Z	-6.092	.5
30	MP4A	Mx	0	.5
31	MP4A	X	0	4.5
32	MP4A	Z	-6.092	4.5
33	MP4A	Mx	0	4.5
34	MP4B	X	0	.5
35	MP4B	Z	-5.141	.5
36	MP4B	Mx	.002	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
37	MP4B	X	0	4.5
38	MP4B	Z	-5.141	4.5
39	MP4B	Mx	.002	4.5
40	MP4C	X	0	.5
41	MP4C	Z	-5.141	.5
42	MP4C	Mx	-.002	.5
43	MP4C	X	0	4.5
44	MP4C	Z	-5.141	4.5
45	MP4C	Mx	-.002	4.5
46	MP1A	X	0	.5
47	MP1A	Z	-5.828	.5
48	MP1A	Mx	-.004	.5
49	MP1A	X	0	4.5
50	MP1A	Z	-5.828	4.5
51	MP1A	Mx	-.004	4.5
52	MP1B	X	0	.5
53	MP1B	Z	-3.337	.5
54	MP1B	Mx	.003	.5
55	MP1B	X	0	4.5
56	MP1B	Z	-3.337	4.5
57	MP1B	Mx	.003	4.5
58	MP1C	X	0	.5
59	MP1C	Z	-2.895	.5
60	MP1C	Mx	-.0007	.5
61	MP1C	X	0	4.5
62	MP1C	Z	-2.895	4.5
63	MP1C	Mx	-.0007	4.5
64	MP1A	X	0	.5
65	MP1A	Z	-5.828	.5
66	MP1A	Mx	.004	.5
67	MP1A	X	0	4.5
68	MP1A	Z	-5.828	4.5
69	MP1A	Mx	.004	4.5
70	MP1B	X	0	.5
71	MP1B	Z	-3.337	.5
72	MP1B	Mx	.000333	.5
73	MP1B	X	0	4.5
74	MP1B	Z	-3.337	4.5
75	MP1B	Mx	.000333	4.5
76	MP1C	X	0	.5
77	MP1C	Z	-2.895	.5
78	MP1C	Mx	-.002	.5
79	MP1C	X	0	4.5
80	MP1C	Z	-2.895	4.5
81	MP1C	Mx	-.002	4.5
82	MP2A	X	0	5
83	MP2A	Z	-1.883	5
84	MP2A	Mx	0	5
85	MP2B	X	0	5
86	MP2B	Z	-.748	5
87	MP2B	Mx	.000324	5
88	MP2C	X	0	5
89	MP2C	Z	-.546	5
90	MP2C	Mx	-.000257	5
91	MP1A	X	0	1
92	MP1A	Z	-3.009	1
93	MP1A	Mx	.000752	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
94	MP1B	X	0	1
95	MP1B	Z	-3.009	1
96	MP1B	Mx	.000752	1
97	MP1C	X	0	1
98	MP1C	Z	-2.2	1
99	MP1C	Mx	-.001	1
100	MP2A	X	0	1
101	MP2A	Z	-2.909	1
102	MP2A	Mx	.000727	1
103	MP2B	X	0	1
104	MP2B	Z	-2.909	1
105	MP2B	Mx	.000727	1
106	MP2C	X	0	1
107	MP2C	Z	-1.798	1
108	MP2C	Mx	-.000899	1
109	OVP1	X	0	1
110	OVP1	Z	-6.304	1
111	OVP1	Mx	0	1
112	OVP2	X	0	1
113	OVP2	Z	-6.304	1
114	OVP2	Mx	0	1
115	MP1A	X	0	3
116	MP1A	Z	-2.031	3
117	MP1A	Mx	0	3
118	MP1A	X	0	3
119	MP1A	Z	-2.031	3
120	MP1A	Mx	0	3
121	MP4B	X	0	1
122	MP4B	Z	-1.481	1
123	MP4B	Mx	-.000641	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	.417	3
2	MP3A	Z	-.722	3
3	MP3A	Mx	.000361	3
4	MP3B	X	.417	3
5	MP3B	Z	-.722	3
6	MP3B	Mx	.000361	3
7	MP3C	X	.417	3
8	MP3C	Z	-.722	3
9	MP3C	Mx	.000361	3
10	MP2A	X	1.733	.5
11	MP2A	Z	-3.002	.5
12	MP2A	Mx	-.000866	.5
13	MP2A	X	1.733	2.5
14	MP2A	Z	-3.002	2.5
15	MP2A	Mx	-.000866	2.5
16	MP2B	X	.714	.5
17	MP2B	Z	-1.237	.5
18	MP2B	Mx	.000714	.5
19	MP2B	X	.714	2.5
20	MP2B	Z	-1.237	2.5
21	MP2B	Mx	.000714	2.5
22	MP2C	X	1.512	.5
23	MP2C	Z	-2.618	.5



Company  
Designer  
Job Number  
Model Name

July 20, 2023  
12:27 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
24	MP2C	Mx	-0.00971	.5
25	MP2C	X	1.512	2.5
26	MP2C	Z	-2.618	2.5
27	MP2C	Mx	-0.00971	2.5
28	MP4A	X	2.888	.5
29	MP4A	Z	-5.001	.5
30	MP4A	Mx	-.001	.5
31	MP4A	X	2.888	4.5
32	MP4A	Z	-5.001	4.5
33	MP4A	Mx	-.001	4.5
34	MP4B	X	2.412	.5
35	MP4B	Z	-4.178	.5
36	MP4B	Mx	.002	.5
37	MP4B	X	2.412	4.5
38	MP4B	Z	-4.178	4.5
39	MP4B	Mx	.002	4.5
40	MP4C	X	2.888	.5
41	MP4C	Z	-5.001	.5
42	MP4C	Mx	-.001	.5
43	MP4C	X	2.888	4.5
44	MP4C	Z	-5.001	4.5
45	MP4C	Mx	-.001	4.5
46	MP1A	X	2.499	.5
47	MP1A	Z	-4.328	.5
48	MP1A	Mx	-.004	.5
49	MP1A	X	2.499	4.5
50	MP1A	Z	-4.328	4.5
51	MP1A	Mx	-.004	4.5
52	MP1B	X	1.253	.5
53	MP1B	Z	-2.171	.5
54	MP1B	Mx	.001	.5
55	MP1B	X	1.253	4.5
56	MP1B	Z	-2.171	4.5
57	MP1B	Mx	.001	4.5
58	MP1C	X	2.228	.5
59	MP1C	Z	-3.859	.5
60	MP1C	Mx	.000844	.5
61	MP1C	X	2.228	4.5
62	MP1C	Z	-3.859	4.5
63	MP1C	Mx	.000844	4.5
64	MP1A	X	2.499	.5
65	MP1A	Z	-4.328	.5
66	MP1A	Mx	.002	.5
67	MP1A	X	2.499	4.5
68	MP1A	Z	-4.328	4.5
69	MP1A	Mx	.002	4.5
70	MP1B	X	1.253	.5
71	MP1B	Z	-2.171	.5
72	MP1B	Mx	.001	.5
73	MP1B	X	1.253	4.5
74	MP1B	Z	-2.171	4.5
75	MP1B	Mx	.001	4.5
76	MP1C	X	2.228	.5
77	MP1C	Z	-3.859	.5
78	MP1C	Mx	-.004	.5
79	MP1C	X	2.228	4.5
80	MP1C	Z	-3.859	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
81	MP1C	Mx	-.004	4.5
82	MP2A	X	.752	5
83	MP2A	Z	-1.303	5
84	MP2A	Mx	-.000376	5
85	MP2B	X	.185	5
86	MP2B	Z	-.32	5
87	MP2B	Mx	.000185	5
88	MP2C	X	.629	5
89	MP2C	Z	-1.089	5
90	MP2C	Mx	-.000404	5
91	MP1A	X	1.639	1
92	MP1A	Z	-2.84	1
93	MP1A	Mx	0	1
94	MP1B	X	1.235	1
95	MP1B	Z	-2.139	1
96	MP1B	Mx	.001	1
97	MP1C	X	1.235	1
98	MP1C	Z	-2.139	1
99	MP1C	Mx	-.001	1
100	MP2A	X	1.639	1
101	MP2A	Z	-2.84	1
102	MP2A	Mx	0	1
103	MP2B	X	1.084	1
104	MP2B	Z	-1.878	1
105	MP2B	Mx	.000939	1
106	MP2C	X	1.084	1
107	MP2C	Z	-1.878	1
108	MP2C	Mx	-.000939	1
109	OVP1	X	2.75	1
110	OVP1	Z	-4.763	1
111	OVP1	Mx	0	1
112	OVP2	X	2.75	1
113	OVP2	Z	-4.763	1
114	OVP2	Mx	0	1
115	MP1A	X	.839	3
116	MP1A	Z	-1.452	3
117	MP1A	Mx	-.00021	3
118	MP1A	X	.839	3
119	MP1A	Z	-1.452	3
120	MP1A	Mx	.00021	3
121	MP4B	X	.635	1
122	MP4B	Z	-1.099	1
123	MP4B	Mx	-.000635	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	.687	3
2	MP3A	Z	-.397	3
3	MP3A	Mx	.000397	3
4	MP3B	X	.687	3
5	MP3B	Z	-.397	3
6	MP3B	Mx	.000397	3
7	MP3C	X	.687	3
8	MP3C	Z	-.397	3
9	MP3C	Mx	.000397	3
10	MP2A	X	1.825	5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
11	MP2A	Z	-1.054	.5
12	MP2A	Mx	-.000912	.5
13	MP2A	X	1.825	2.5
14	MP2A	Z	-1.054	2.5
15	MP2A	Mx	-.000912	2.5
16	MP2B	X	1.825	.5
17	MP2B	Z	-1.054	.5
18	MP2B	Mx	.000913	.5
19	MP2B	X	1.825	2.5
20	MP2B	Z	-1.054	2.5
21	MP2B	Mx	.000913	2.5
22	MP2C	X	3.52	.5
23	MP2C	Z	-2.032	.5
24	MP2C	Mx	-.000353	.5
25	MP2C	X	3.52	2.5
26	MP2C	Z	-2.032	2.5
27	MP2C	Mx	-.000353	2.5
28	MP4A	X	4.452	.5
29	MP4A	Z	-2.57	.5
30	MP4A	Mx	-.002	.5
31	MP4A	X	4.452	4.5
32	MP4A	Z	-2.57	4.5
33	MP4A	Mx	-.002	4.5
34	MP4B	X	4.452	.5
35	MP4B	Z	-2.57	.5
36	MP4B	Mx	.002	.5
37	MP4B	X	4.452	4.5
38	MP4B	Z	-2.57	4.5
39	MP4B	Mx	.002	4.5
40	MP4C	X	5.276	.5
41	MP4C	Z	-3.046	.5
42	MP4C	Mx	0	.5
43	MP4C	X	5.276	4.5
44	MP4C	Z	-3.046	4.5
45	MP4C	Mx	0	4.5
46	MP1A	X	2.89	.5
47	MP1A	Z	-1.669	.5
48	MP1A	Mx	-.003	.5
49	MP1A	X	2.89	4.5
50	MP1A	Z	-1.669	4.5
51	MP1A	Mx	-.003	4.5
52	MP1B	X	2.89	.5
53	MP1B	Z	-1.669	.5
54	MP1B	Mx	.000333	.5
55	MP1B	X	2.89	4.5
56	MP1B	Z	-1.669	4.5
57	MP1B	Mx	.000333	4.5
58	MP1C	X	4.96	.5
59	MP1C	Z	-2.864	.5
60	MP1C	Mx	.003	.5
61	MP1C	X	4.96	4.5
62	MP1C	Z	-2.864	4.5
63	MP1C	Mx	.003	4.5
64	MP1A	X	2.89	.5
65	MP1A	Z	-1.669	.5
66	MP1A	Mx	-.000332	.5
67	MP1A	X	2.89	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
68	MP1A	Z	-1.669	4.5
69	MP1A	Mx	-.000332	4.5
70	MP1B	X	2.89	.5
71	MP1B	Z	-1.669	.5
72	MP1B	Mx	.003	.5
73	MP1B	X	2.89	4.5
74	MP1B	Z	-1.669	4.5
75	MP1B	Mx	.003	4.5
76	MP1C	X	4.96	.5
77	MP1C	Z	-2.864	.5
78	MP1C	Mx	-.004	.5
79	MP1C	X	4.96	4.5
80	MP1C	Z	-2.864	4.5
81	MP1C	Mx	-.004	4.5
82	MP2A	X	.647	5
83	MP2A	Z	-.374	5
84	MP2A	Mx	-.000324	5
85	MP2B	X	.647	5
86	MP2B	Z	-.374	5
87	MP2B	Mx	.000324	5
88	MP2C	X	1.591	5
89	MP2C	Z	-.919	5
90	MP2C	Mx	-.00016	5
91	MP1A	X	2.606	1
92	MP1A	Z	-1.505	1
93	MP1A	Mx	-.000752	1
94	MP1B	X	1.905	1
95	MP1B	Z	-1.1	1
96	MP1B	Mx	.001	1
97	MP1C	X	2.606	1
98	MP1C	Z	-1.505	1
99	MP1C	Mx	-.000752	1
100	MP2A	X	2.519	1
101	MP2A	Z	-1.454	1
102	MP2A	Mx	-.000727	1
103	MP2B	X	1.557	1
104	MP2B	Z	-.899	1
105	MP2B	Mx	.000899	1
106	MP2C	X	2.519	1
107	MP2C	Z	-1.454	1
108	MP2C	Mx	-.000727	1
109	OVP1	X	4.415	1
110	OVP1	Z	-2.549	1
111	OVP1	Mx	0	1
112	OVP2	X	4.415	1
113	OVP2	Z	-2.549	1
114	OVP2	Mx	0	1
115	MP1A	X	.84	3
116	MP1A	Z	-.485	3
117	MP1A	Mx	-.00021	3
118	MP1A	X	.84	3
119	MP1A	Z	-.485	3
120	MP1A	Mx	.00021	3
121	MP4B	X	1.282	1
122	MP4B	Z	-.74	1
123	MP4B	Mx	-.000641	1





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	.833	3
2	MP3A	Z	0	3
3	MP3A	Mx	.000361	3
4	MP3B	X	.833	3
5	MP3B	Z	0	3
6	MP3B	Mx	.000361	3
7	MP3C	X	.833	3
8	MP3C	Z	0	3
9	MP3C	Mx	.000361	3
10	MP2A	X	1.428	.5
11	MP2A	Z	0	.5
12	MP2A	Mx	-.000714	.5
13	MP2A	X	1.428	2.5
14	MP2A	Z	0	2.5
15	MP2A	Mx	-.000714	2.5
16	MP2B	X	3.467	.5
17	MP2B	Z	0	.5
18	MP2B	Mx	.000867	.5
19	MP2B	X	3.467	2.5
20	MP2B	Z	0	2.5
21	MP2B	Mx	.000867	2.5
22	MP2C	X	3.828	.5
23	MP2C	Z	0	.5
24	MP2C	Mx	.000655	.5
25	MP2C	X	3.828	2.5
26	MP2C	Z	0	2.5
27	MP2C	Mx	.000655	2.5
28	MP4A	X	4.824	.5
29	MP4A	Z	0	.5
30	MP4A	Mx	-.002	.5
31	MP4A	X	4.824	4.5
32	MP4A	Z	0	4.5
33	MP4A	Mx	-.002	4.5
34	MP4B	X	5.775	.5
35	MP4B	Z	0	.5
36	MP4B	Mx	.001	.5
37	MP4B	X	5.775	4.5
38	MP4B	Z	0	4.5
39	MP4B	Mx	.001	4.5
40	MP4C	X	5.775	.5
41	MP4C	Z	0	.5
42	MP4C	Mx	.001	.5
43	MP4C	X	5.775	4.5
44	MP4C	Z	0	4.5
45	MP4C	Mx	.001	4.5
46	MP1A	X	2.507	.5
47	MP1A	Z	0	.5
48	MP1A	Mx	-.001	.5
49	MP1A	X	2.507	4.5
50	MP1A	Z	0	4.5
51	MP1A	Mx	-.001	4.5
52	MP1B	X	4.998	.5
53	MP1B	Z	0	.5
54	MP1B	Mx	-.002	.5
55	MP1B	X	4.998	4.5
56	MP1B	Z	0	4.5
57	MP1B	Mx	-.002	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1C	X	5.439	.5
59	MP1C	Z	0	.5
60	MP1C	Mx	.004	.5
61	MP1C	X	5.439	4.5
62	MP1C	Z	0	4.5
63	MP1C	Mx	.004	4.5
64	MP1A	X	2.507	.5
65	MP1A	Z	0	.5
66	MP1A	Mx	-.001	.5
67	MP1A	X	2.507	4.5
68	MP1A	Z	0	4.5
69	MP1A	Mx	-.001	4.5
70	MP1B	X	4.998	.5
71	MP1B	Z	0	.5
72	MP1B	Mx	.004	.5
73	MP1B	X	4.998	4.5
74	MP1B	Z	0	4.5
75	MP1B	Mx	.004	4.5
76	MP1C	X	5.439	.5
77	MP1C	Z	0	.5
78	MP1C	Mx	-.002	.5
79	MP1C	X	5.439	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	-.002	4.5
82	MP2A	X	.369	5
83	MP2A	Z	0	5
84	MP2A	Mx	-.000184	5
85	MP2B	X	1.504	5
86	MP2B	Z	0	5
87	MP2B	Mx	.000376	5
88	MP2C	X	1.706	5
89	MP2C	Z	0	5
90	MP2C	Mx	.000292	5
91	MP1A	X	2.47	1
92	MP1A	Z	0	1
93	MP1A	Mx	-.001	1
94	MP1B	X	2.47	1
95	MP1B	Z	0	1
96	MP1B	Mx	.001	1
97	MP1C	X	3.279	1
98	MP1C	Z	0	1
99	MP1C	Mx	0	1
100	MP2A	X	2.168	1
101	MP2A	Z	0	1
102	MP2A	Mx	-.000939	1
103	MP2B	X	2.168	1
104	MP2B	Z	0	1
105	MP2B	Mx	.000939	1
106	MP2C	X	3.279	1
107	MP2C	Z	0	1
108	MP2C	Mx	0	1
109	OVP1	X	5.5	1
110	OVP1	Z	0	1
111	OVP1	Mx	0	1
112	OVP2	X	5.5	1
113	OVP2	Z	0	1
114	OVP2	Mx	0	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
115	MP1A	X	.616	3
116	MP1A	Z	0	3
117	MP1A	Mx	-.000154	3
118	MP1A	X	.616	3
119	MP1A	Z	0	3
120	MP1A	Mx	.000154	3
121	MP4B	X	1.904	1
122	MP4B	Z	0	1
123	MP4B	Mx	-.000476	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	.79	3
2	MP3A	Z	.456	3
3	MP3A	Mx	.000228	3
4	MP3B	X	.79	3
5	MP3B	Z	.456	3
6	MP3B	Mx	.000228	3
7	MP3C	X	.79	3
8	MP3C	Z	.456	3
9	MP3C	Mx	.000228	3
10	MP2A	X	1.825	.5
11	MP2A	Z	1.054	.5
12	MP2A	Mx	-.000912	.5
13	MP2A	X	1.825	2.5
14	MP2A	Z	1.054	2.5
15	MP2A	Mx	-.000912	2.5
16	MP2B	X	3.591	.5
17	MP2B	Z	2.073	.5
18	MP2B	Mx	0	.5
19	MP2B	X	3.591	2.5
20	MP2B	Z	2.073	2.5
21	MP2B	Mx	0	2.5
22	MP2C	X	2.209	.5
23	MP2C	Z	1.276	.5
24	MP2C	Mx	.000977	.5
25	MP2C	X	2.209	2.5
26	MP2C	Z	1.276	2.5
27	MP2C	Mx	.000977	2.5
28	MP4A	X	4.452	.5
29	MP4A	Z	2.57	.5
30	MP4A	Mx	-.002	.5
31	MP4A	X	4.452	4.5
32	MP4A	Z	2.57	4.5
33	MP4A	Mx	-.002	4.5
34	MP4B	X	5.276	.5
35	MP4B	Z	3.046	.5
36	MP4B	Mx	0	.5
37	MP4B	X	5.276	4.5
38	MP4B	Z	3.046	4.5
39	MP4B	Mx	0	4.5
40	MP4C	X	4.452	.5
41	MP4C	Z	2.57	.5
42	MP4C	Mx	.002	.5
43	MP4C	X	4.452	4.5
44	MP4C	Z	2.57	4.5



Company  
Designer  
Job Number  
Model Name

July 20, 2023  
12:27 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP4C	Mx	.002	4.5
46	MP1A	X	2.89	.5
47	MP1A	Z	1.669	.5
48	MP1A	Mx	-.000332	.5
49	MP1A	X	2.89	4.5
50	MP1A	Z	1.669	4.5
51	MP1A	Mx	-.000332	4.5
52	MP1B	X	5.047	.5
53	MP1B	Z	2.914	.5
54	MP1B	Mx	-.004	.5
55	MP1B	X	5.047	4.5
56	MP1B	Z	2.914	4.5
57	MP1B	Mx	-.004	4.5
58	MP1C	X	3.359	.5
59	MP1C	Z	1.939	.5
60	MP1C	Mx	.003	.5
61	MP1C	X	3.359	4.5
62	MP1C	Z	1.939	4.5
63	MP1C	Mx	.003	4.5
64	MP1A	X	2.89	.5
65	MP1A	Z	1.669	.5
66	MP1A	Mx	-.003	.5
67	MP1A	X	2.89	4.5
68	MP1A	Z	1.669	4.5
69	MP1A	Mx	-.003	4.5
70	MP1B	X	5.047	.5
71	MP1B	Z	2.914	.5
72	MP1B	Mx	.004	.5
73	MP1B	X	5.047	4.5
74	MP1B	Z	2.914	4.5
75	MP1B	Mx	.004	4.5
76	MP1C	X	3.359	.5
77	MP1C	Z	1.939	.5
78	MP1C	Mx	-.000177	.5
79	MP1C	X	3.359	4.5
80	MP1C	Z	1.939	4.5
81	MP1C	Mx	-.000177	4.5
82	MP2A	X	.647	5
83	MP2A	Z	.374	5
84	MP2A	Mx	-.000324	5
85	MP2B	X	1.63	5
86	MP2B	Z	.941	5
87	MP2B	Mx	0	5
88	MP2C	X	.861	5
89	MP2C	Z	.497	5
90	MP2C	Mx	.000381	5
91	MP1A	X	1.905	1
92	MP1A	Z	1.1	1
93	MP1A	Mx	-.001	1
94	MP1B	X	2.606	1
95	MP1B	Z	1.505	1
96	MP1B	Mx	.000752	1
97	MP1C	X	2.606	1
98	MP1C	Z	1.505	1
99	MP1C	Mx	.000752	1
100	MP2A	X	1.557	1
101	MP2A	Z	.899	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
102	MP2A	Mx	-.000899	1
103	MP2B	X	2.519	1
104	MP2B	Z	1.454	1
105	MP2B	Mx	.000727	1
106	MP2C	X	2.519	1
107	MP2C	Z	1.454	1
108	MP2C	Mx	.000727	1
109	OVP1	X	5.459	1
110	OVP1	Z	3.152	1
111	OVP1	Mx	0	1
112	OVP2	X	5.459	1
113	OVP2	Z	3.152	1
114	OVP2	Mx	0	1
115	MP1A	X	.84	3
116	MP1A	Z	.485	3
117	MP1A	Mx	-.00021	3
118	MP1A	X	.84	3
119	MP1A	Z	.485	3
120	MP1A	Mx	.00021	3
121	MP4B	X	1.832	1
122	MP4B	Z	1.058	1
123	MP4B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	.476	3
2	MP3A	Z	.824	3
3	MP3A	Mx	0	3
4	MP3B	X	.476	3
5	MP3B	Z	.824	3
6	MP3B	Mx	0	3
7	MP3C	X	.476	3
8	MP3C	Z	.824	3
9	MP3C	Mx	0	3
10	MP2A	X	1.733	.5
11	MP2A	Z	3.002	.5
12	MP2A	Mx	-.000866	.5
13	MP2A	X	1.733	2.5
14	MP2A	Z	3.002	2.5
15	MP2A	Mx	-.000866	2.5
16	MP2B	X	1.733	.5
17	MP2B	Z	3.002	.5
18	MP2B	Mx	-.000867	.5
19	MP2B	X	1.733	2.5
20	MP2B	Z	3.002	2.5
21	MP2B	Mx	-.000867	2.5
22	MP2C	X	.755	.5
23	MP2C	Z	1.308	.5
24	MP2C	Mx	.000744	.5
25	MP2C	X	.755	2.5
26	MP2C	Z	1.308	2.5
27	MP2C	Mx	.000744	2.5
28	MP4A	X	2.888	.5
29	MP4A	Z	5.001	.5
30	MP4A	Mx	-.001	.5
31	MP4A	X	2.888	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
32	MP4A	Z	5.001	4.5
33	MP4A	Mx	-.001	4.5
34	MP4B	X	2.888	.5
35	MP4B	Z	5.001	.5
36	MP4B	Mx	-.001	.5
37	MP4B	X	2.888	4.5
38	MP4B	Z	5.001	4.5
39	MP4B	Mx	-.001	4.5
40	MP4C	X	2.412	.5
41	MP4C	Z	4.178	.5
42	MP4C	Mx	.002	.5
43	MP4C	X	2.412	4.5
44	MP4C	Z	4.178	4.5
45	MP4C	Mx	.002	4.5
46	MP1A	X	2.499	.5
47	MP1A	Z	4.328	.5
48	MP1A	Mx	.002	.5
49	MP1A	X	2.499	4.5
50	MP1A	Z	4.328	4.5
51	MP1A	Mx	.002	4.5
52	MP1B	X	2.499	.5
53	MP1B	Z	4.328	.5
54	MP1B	Mx	-.004	.5
55	MP1B	X	2.499	4.5
56	MP1B	Z	4.328	4.5
57	MP1B	Mx	-.004	4.5
58	MP1C	X	1.303	.5
59	MP1C	Z	2.258	.5
60	MP1C	Mx	.002	.5
61	MP1C	X	1.303	4.5
62	MP1C	Z	2.258	4.5
63	MP1C	Mx	.002	4.5
64	MP1A	X	2.499	.5
65	MP1A	Z	4.328	.5
66	MP1A	Mx	-.004	.5
67	MP1A	X	2.499	4.5
68	MP1A	Z	4.328	4.5
69	MP1A	Mx	-.004	4.5
70	MP1B	X	2.499	.5
71	MP1B	Z	4.328	.5
72	MP1B	Mx	.002	.5
73	MP1B	X	2.499	4.5
74	MP1B	Z	4.328	4.5
75	MP1B	Mx	.002	4.5
76	MP1C	X	1.303	.5
77	MP1C	Z	2.258	.5
78	MP1C	Mx	.000982	.5
79	MP1C	X	1.303	4.5
80	MP1C	Z	2.258	4.5
81	MP1C	Mx	.000982	4.5
82	MP2A	X	.752	.5
83	MP2A	Z	1.303	.5
84	MP2A	Mx	-.000376	.5
85	MP2B	X	.752	.5
86	MP2B	Z	1.303	.5
87	MP2B	Mx	-.000376	.5
88	MP2C	X	.207	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
89	MP2C	Z	.359	5
90	MP2C	Mx	.000204	5
91	MP1A	X	1.235	1
92	MP1A	Z	2.139	1
93	MP1A	Mx	-.001	1
94	MP1B	X	1.639	1
95	MP1B	Z	2.84	1
96	MP1B	Mx	0	1
97	MP1C	X	1.235	1
98	MP1C	Z	2.139	1
99	MP1C	Mx	.001	1
100	MP2A	X	1.084	1
101	MP2A	Z	1.878	1
102	MP2A	Mx	-.000939	1
103	MP2B	X	1.639	1
104	MP2B	Z	2.84	1
105	MP2B	Mx	0	1
106	MP2C	X	1.084	1
107	MP2C	Z	1.878	1
108	MP2C	Mx	.000939	1
109	OVP1	X	3.353	1
110	OVP1	Z	5.807	1
111	OVP1	Mx	0	1
112	OVP2	X	3.353	1
113	OVP2	Z	5.807	1
114	OVP2	Mx	0	1
115	MP1A	X	.839	3
116	MP1A	Z	1.452	3
117	MP1A	Mx	-.00021	3
118	MP1A	X	.839	3
119	MP1A	Z	1.452	3
120	MP1A	Mx	.00021	3
121	MP4B	X	.952	1
122	MP4B	Z	1.649	1
123	MP4B	Mx	.000476	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	3
2	MP3A	Z	.912	3
3	MP3A	Mx	-.000228	3
4	MP3B	X	0	3
5	MP3B	Z	.912	3
6	MP3B	Mx	-.000228	3
7	MP3C	X	0	3
8	MP3C	Z	.912	3
9	MP3C	Mx	-.000228	3
10	MP2A	X	0	.5
11	MP2A	Z	4.146	.5
12	MP2A	Mx	0	.5
13	MP2A	X	0	2.5
14	MP2A	Z	4.146	2.5
15	MP2A	Mx	0	2.5
16	MP2B	X	0	.5
17	MP2B	Z	2.107	.5
18	MP2B	Mx	-.000912	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
19	MP2B	X	0	2.5
20	MP2B	Z	2.107	2.5
21	MP2B	Mx	-0.000912	2.5
22	MP2C	X	0	.5
23	MP2C	Z	1.746	.5
24	MP2C	Mx	.00082	.5
25	MP2C	X	0	2.5
26	MP2C	Z	1.746	2.5
27	MP2C	Mx	.00082	2.5
28	MP4A	X	0	.5
29	MP4A	Z	6.092	.5
30	MP4A	Mx	0	.5
31	MP4A	X	0	4.5
32	MP4A	Z	6.092	4.5
33	MP4A	Mx	0	4.5
34	MP4B	X	0	.5
35	MP4B	Z	5.141	.5
36	MP4B	Mx	-.002	.5
37	MP4B	X	0	4.5
38	MP4B	Z	5.141	4.5
39	MP4B	Mx	-.002	4.5
40	MP4C	X	0	.5
41	MP4C	Z	5.141	.5
42	MP4C	Mx	.002	.5
43	MP4C	X	0	4.5
44	MP4C	Z	5.141	4.5
45	MP4C	Mx	.002	4.5
46	MP1A	X	0	.5
47	MP1A	Z	5.828	.5
48	MP1A	Mx	.004	.5
49	MP1A	X	0	4.5
50	MP1A	Z	5.828	4.5
51	MP1A	Mx	.004	4.5
52	MP1B	X	0	.5
53	MP1B	Z	3.337	.5
54	MP1B	Mx	-.003	.5
55	MP1B	X	0	4.5
56	MP1B	Z	3.337	4.5
57	MP1B	Mx	-.003	4.5
58	MP1C	X	0	.5
59	MP1C	Z	2.895	.5
60	MP1C	Mx	.0007	.5
61	MP1C	X	0	4.5
62	MP1C	Z	2.895	4.5
63	MP1C	Mx	.0007	4.5
64	MP1A	X	0	.5
65	MP1A	Z	5.828	.5
66	MP1A	Mx	-.004	.5
67	MP1A	X	0	4.5
68	MP1A	Z	5.828	4.5
69	MP1A	Mx	-.004	4.5
70	MP1B	X	0	.5
71	MP1B	Z	3.337	.5
72	MP1B	Mx	-.000333	.5
73	MP1B	X	0	4.5
74	MP1B	Z	3.337	4.5
75	MP1B	Mx	-.000333	4.5





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
76	MP1C	X	0	.5
77	MP1C	Z	2.895	.5
78	MP1C	Mx	.002	.5
79	MP1C	X	0	4.5
80	MP1C	Z	2.895	4.5
81	MP1C	Mx	.002	4.5
82	MP2A	X	0	5
83	MP2A	Z	1.883	5
84	MP2A	Mx	0	5
85	MP2B	X	0	5
86	MP2B	Z	.748	5
87	MP2B	Mx	-.000324	5
88	MP2C	X	0	5
89	MP2C	Z	.546	5
90	MP2C	Mx	.000257	5
91	MP1A	X	0	1
92	MP1A	Z	3.009	1
93	MP1A	Mx	-.000752	1
94	MP1B	X	0	1
95	MP1B	Z	3.009	1
96	MP1B	Mx	-.000752	1
97	MP1C	X	0	1
98	MP1C	Z	2.2	1
99	MP1C	Mx	.001	1
100	MP2A	X	0	1
101	MP2A	Z	2.909	1
102	MP2A	Mx	-.000727	1
103	MP2B	X	0	1
104	MP2B	Z	2.909	1
105	MP2B	Mx	-.000727	1
106	MP2C	X	0	1
107	MP2C	Z	1.798	1
108	MP2C	Mx	.000899	1
109	OVP1	X	0	1
110	OVP1	Z	6.304	1
111	OVP1	Mx	0	1
112	OVP2	X	0	1
113	OVP2	Z	6.304	1
114	OVP2	Mx	0	1
115	MP1A	X	0	3
116	MP1A	Z	2.031	3
117	MP1A	Mx	0	3
118	MP1A	X	0	3
119	MP1A	Z	2.031	3
120	MP1A	Mx	0	3
121	MP4B	X	0	1
122	MP4B	Z	1.481	1
123	MP4B	Mx	.000641	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-.417	3
2	MP3A	Z	.722	3
3	MP3A	Mx	-.000361	3
4	MP3B	X	-.417	3
5	MP3B	Z	.722	3



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP3B	Mx	-.000361	3
7	MP3C	X	-.417	3
8	MP3C	Z	.722	3
9	MP3C	Mx	-.000361	3
10	MP2A	X	-1.733	.5
11	MP2A	Z	3.002	.5
12	MP2A	Mx	.000866	.5
13	MP2A	X	-1.733	2.5
14	MP2A	Z	3.002	2.5
15	MP2A	Mx	.000866	2.5
16	MP2B	X	-.714	.5
17	MP2B	Z	1.237	.5
18	MP2B	Mx	-.000714	.5
19	MP2B	X	-.714	2.5
20	MP2B	Z	1.237	2.5
21	MP2B	Mx	-.000714	2.5
22	MP2C	X	-1.512	.5
23	MP2C	Z	2.618	.5
24	MP2C	Mx	.000971	.5
25	MP2C	X	-1.512	2.5
26	MP2C	Z	2.618	2.5
27	MP2C	Mx	.000971	2.5
28	MP4A	X	-2.888	.5
29	MP4A	Z	5.001	.5
30	MP4A	Mx	.001	.5
31	MP4A	X	-2.888	4.5
32	MP4A	Z	5.001	4.5
33	MP4A	Mx	.001	4.5
34	MP4B	X	-2.412	.5
35	MP4B	Z	4.178	.5
36	MP4B	Mx	-.002	.5
37	MP4B	X	-2.412	4.5
38	MP4B	Z	4.178	4.5
39	MP4B	Mx	-.002	4.5
40	MP4C	X	-2.888	.5
41	MP4C	Z	5.001	.5
42	MP4C	Mx	.001	.5
43	MP4C	X	-2.888	4.5
44	MP4C	Z	5.001	4.5
45	MP4C	Mx	.001	4.5
46	MP1A	X	-2.499	.5
47	MP1A	Z	4.328	.5
48	MP1A	Mx	.004	.5
49	MP1A	X	-2.499	4.5
50	MP1A	Z	4.328	4.5
51	MP1A	Mx	.004	4.5
52	MP1B	X	-1.253	.5
53	MP1B	Z	2.171	.5
54	MP1B	Mx	-.001	.5
55	MP1B	X	-1.253	4.5
56	MP1B	Z	2.171	4.5
57	MP1B	Mx	-.001	4.5
58	MP1C	X	-2.228	.5
59	MP1C	Z	3.859	.5
60	MP1C	Mx	-.000844	.5
61	MP1C	X	-2.228	4.5
62	MP1C	Z	3.859	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:27 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
63	MP1C	Mx	-.000844	4.5
64	MP1A	X	-2.499	.5
65	MP1A	Z	4.328	.5
66	MP1A	Mx	-.002	.5
67	MP1A	X	-2.499	4.5
68	MP1A	Z	4.328	4.5
69	MP1A	Mx	-.002	4.5
70	MP1B	X	-1.253	.5
71	MP1B	Z	2.171	.5
72	MP1B	Mx	-.001	.5
73	MP1B	X	-1.253	4.5
74	MP1B	Z	2.171	4.5
75	MP1B	Mx	-.001	4.5
76	MP1C	X	-2.228	.5
77	MP1C	Z	3.859	.5
78	MP1C	Mx	.004	.5
79	MP1C	X	-2.228	4.5
80	MP1C	Z	3.859	4.5
81	MP1C	Mx	.004	4.5
82	MP2A	X	-.752	5
83	MP2A	Z	1.303	5
84	MP2A	Mx	.000376	5
85	MP2B	X	-.185	5
86	MP2B	Z	.32	5
87	MP2B	Mx	-.000185	5
88	MP2C	X	-.629	5
89	MP2C	Z	1.089	5
90	MP2C	Mx	.000404	5
91	MP1A	X	-1.639	1
92	MP1A	Z	2.84	1
93	MP1A	Mx	0	1
94	MP1B	X	-1.235	1
95	MP1B	Z	2.139	1
96	MP1B	Mx	-.001	1
97	MP1C	X	-1.235	1
98	MP1C	Z	2.139	1
99	MP1C	Mx	.001	1
100	MP2A	X	-1.639	1
101	MP2A	Z	2.84	1
102	MP2A	Mx	0	1
103	MP2B	X	-1.084	1
104	MP2B	Z	1.878	1
105	MP2B	Mx	-.000939	1
106	MP2C	X	-1.084	1
107	MP2C	Z	1.878	1
108	MP2C	Mx	.000939	1
109	OVP1	X	-2.75	1
110	OVP1	Z	4.763	1
111	OVP1	Mx	0	1
112	OVP2	X	-2.75	1
113	OVP2	Z	4.763	1
114	OVP2	Mx	0	1
115	MP1A	X	-.839	3
116	MP1A	Z	1.452	3
117	MP1A	Mx	.00021	3
118	MP1A	X	-.839	3
119	MP1A	Z	1.452	3



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
120	MP1A	Mx	-.00021	3
121	MP4B	X	-.635	1
122	MP4B	Z	1.099	1
123	MP4B	Mx	.000635	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-.687	3
2	MP3A	Z	.397	3
3	MP3A	Mx	-.000397	3
4	MP3B	X	-.687	3
5	MP3B	Z	.397	3
6	MP3B	Mx	-.000397	3
7	MP3C	X	-.687	3
8	MP3C	Z	.397	3
9	MP3C	Mx	-.000397	3
10	MP2A	X	-1.825	.5
11	MP2A	Z	1.054	.5
12	MP2A	Mx	.000912	.5
13	MP2A	X	-1.825	2.5
14	MP2A	Z	1.054	2.5
15	MP2A	Mx	.000912	2.5
16	MP2B	X	-1.825	.5
17	MP2B	Z	1.054	.5
18	MP2B	Mx	-.000913	.5
19	MP2B	X	-1.825	2.5
20	MP2B	Z	1.054	2.5
21	MP2B	Mx	-.000913	2.5
22	MP2C	X	-3.52	.5
23	MP2C	Z	2.032	.5
24	MP2C	Mx	.000353	.5
25	MP2C	X	-3.52	2.5
26	MP2C	Z	2.032	2.5
27	MP2C	Mx	.000353	2.5
28	MP4A	X	-4.452	.5
29	MP4A	Z	2.57	.5
30	MP4A	Mx	.002	.5
31	MP4A	X	-4.452	4.5
32	MP4A	Z	2.57	4.5
33	MP4A	Mx	.002	4.5
34	MP4B	X	-4.452	.5
35	MP4B	Z	2.57	.5
36	MP4B	Mx	-.002	.5
37	MP4B	X	-4.452	4.5
38	MP4B	Z	2.57	4.5
39	MP4B	Mx	-.002	4.5
40	MP4C	X	-5.276	.5
41	MP4C	Z	3.046	.5
42	MP4C	Mx	0	.5
43	MP4C	X	-5.276	4.5
44	MP4C	Z	3.046	4.5
45	MP4C	Mx	0	4.5
46	MP1A	X	-2.89	.5
47	MP1A	Z	1.669	.5
48	MP1A	Mx	.003	.5
49	MP1A	X	-2.89	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
50	MP1A	Z	1.669	4.5
51	MP1A	Mx	.003	4.5
52	MP1B	X	-2.89	.5
53	MP1B	Z	1.669	.5
54	MP1B	Mx	-.000333	.5
55	MP1B	X	-2.89	4.5
56	MP1B	Z	1.669	4.5
57	MP1B	Mx	-.000333	4.5
58	MP1C	X	-4.96	.5
59	MP1C	Z	2.864	.5
60	MP1C	Mx	-.003	.5
61	MP1C	X	-4.96	4.5
62	MP1C	Z	2.864	4.5
63	MP1C	Mx	-.003	4.5
64	MP1A	X	-2.89	.5
65	MP1A	Z	1.669	.5
66	MP1A	Mx	.000332	.5
67	MP1A	X	-2.89	4.5
68	MP1A	Z	1.669	4.5
69	MP1A	Mx	.000332	4.5
70	MP1B	X	-2.89	.5
71	MP1B	Z	1.669	.5
72	MP1B	Mx	-.003	.5
73	MP1B	X	-2.89	4.5
74	MP1B	Z	1.669	4.5
75	MP1B	Mx	-.003	4.5
76	MP1C	X	-4.96	.5
77	MP1C	Z	2.864	.5
78	MP1C	Mx	.004	.5
79	MP1C	X	-4.96	4.5
80	MP1C	Z	2.864	4.5
81	MP1C	Mx	.004	4.5
82	MP2A	X	-.647	5
83	MP2A	Z	.374	5
84	MP2A	Mx	.000324	5
85	MP2B	X	-.647	5
86	MP2B	Z	.374	5
87	MP2B	Mx	-.000324	5
88	MP2C	X	-1.591	5
89	MP2C	Z	.919	5
90	MP2C	Mx	.00016	5
91	MP1A	X	-2.606	1
92	MP1A	Z	1.505	1
93	MP1A	Mx	.000752	1
94	MP1B	X	-1.905	1
95	MP1B	Z	1.1	1
96	MP1B	Mx	-.001	1
97	MP1C	X	-2.606	1
98	MP1C	Z	1.505	1
99	MP1C	Mx	.000752	1
100	MP2A	X	-2.519	1
101	MP2A	Z	1.454	1
102	MP2A	Mx	.000727	1
103	MP2B	X	-1.557	1
104	MP2B	Z	.899	1
105	MP2B	Mx	-.000899	1
106	MP2C	X	-2.519	1



Company  
Designer  
Job Number  
Model Name

July 20, 2023  
12:28 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
107	MP2C	Z	1.454	1
108	MP2C	Mx	.000727	1
109	OVP1	X	-4.415	1
110	OVP1	Z	2.549	1
111	OVP1	Mx	0	1
112	OVP2	X	-4.415	1
113	OVP2	Z	2.549	1
114	OVP2	Mx	0	1
115	MP1A	X	-.84	3
116	MP1A	Z	.485	3
117	MP1A	Mx	.00021	3
118	MP1A	X	-.84	3
119	MP1A	Z	.485	3
120	MP1A	Mx	-.00021	3
121	MP4B	X	-1.282	1
122	MP4B	Z	.74	1
123	MP4B	Mx	.000641	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-.833	3
2	MP3A	Z	0	3
3	MP3A	Mx	-.000361	3
4	MP3B	X	-.833	3
5	MP3B	Z	0	3
6	MP3B	Mx	-.000361	3
7	MP3C	X	-.833	3
8	MP3C	Z	0	3
9	MP3C	Mx	-.000361	3
10	MP2A	X	-1.428	.5
11	MP2A	Z	0	.5
12	MP2A	Mx	.000714	.5
13	MP2A	X	-1.428	2.5
14	MP2A	Z	0	2.5
15	MP2A	Mx	.000714	2.5
16	MP2B	X	-3.467	.5
17	MP2B	Z	0	.5
18	MP2B	Mx	-.000867	.5
19	MP2B	X	-3.467	2.5
20	MP2B	Z	0	2.5
21	MP2B	Mx	-.000867	2.5
22	MP2C	X	-3.828	.5
23	MP2C	Z	0	.5
24	MP2C	Mx	-.000655	.5
25	MP2C	X	-3.828	2.5
26	MP2C	Z	0	2.5
27	MP2C	Mx	-.000655	2.5
28	MP4A	X	-4.824	.5
29	MP4A	Z	0	.5
30	MP4A	Mx	.002	.5
31	MP4A	X	-4.824	4.5
32	MP4A	Z	0	4.5
33	MP4A	Mx	.002	4.5
34	MP4B	X	-5.775	.5
35	MP4B	Z	0	.5
36	MP4B	Mx	-.001	.5



Company  
Designer  
Job Number  
Model Name

July 20, 2023  
12:28 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
37	MP4B	X	-5.775	4.5
38	MP4B	Z	0	4.5
39	MP4B	Mx	-.001	4.5
40	MP4C	X	-5.775	.5
41	MP4C	Z	0	.5
42	MP4C	Mx	-.001	.5
43	MP4C	X	-5.775	4.5
44	MP4C	Z	0	4.5
45	MP4C	Mx	-.001	4.5
46	MP1A	X	-2.507	.5
47	MP1A	Z	0	.5
48	MP1A	Mx	.001	.5
49	MP1A	X	-2.507	4.5
50	MP1A	Z	0	4.5
51	MP1A	Mx	.001	4.5
52	MP1B	X	-4.998	.5
53	MP1B	Z	0	.5
54	MP1B	Mx	.002	.5
55	MP1B	X	-4.998	4.5
56	MP1B	Z	0	4.5
57	MP1B	Mx	.002	4.5
58	MP1C	X	-5.439	.5
59	MP1C	Z	0	.5
60	MP1C	Mx	-.004	.5
61	MP1C	X	-5.439	4.5
62	MP1C	Z	0	4.5
63	MP1C	Mx	-.004	4.5
64	MP1A	X	-2.507	.5
65	MP1A	Z	0	.5
66	MP1A	Mx	.001	.5
67	MP1A	X	-2.507	4.5
68	MP1A	Z	0	4.5
69	MP1A	Mx	.001	4.5
70	MP1B	X	-4.998	.5
71	MP1B	Z	0	.5
72	MP1B	Mx	-.004	.5
73	MP1B	X	-4.998	4.5
74	MP1B	Z	0	4.5
75	MP1B	Mx	-.004	4.5
76	MP1C	X	-5.439	.5
77	MP1C	Z	0	.5
78	MP1C	Mx	.002	.5
79	MP1C	X	-5.439	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	.002	4.5
82	MP2A	X	-.369	5
83	MP2A	Z	0	5
84	MP2A	Mx	.000184	5
85	MP2B	X	-1.504	5
86	MP2B	Z	0	5
87	MP2B	Mx	-.000376	5
88	MP2C	X	-1.706	5
89	MP2C	Z	0	5
90	MP2C	Mx	-.000292	5
91	MP1A	X	-2.47	1
92	MP1A	Z	0	1
93	MP1A	Mx	.001	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
94	MP1B	X	-2.47	1
95	MP1B	Z	0	1
96	MP1B	Mx	-.001	1
97	MP1C	X	-3.279	1
98	MP1C	Z	0	1
99	MP1C	Mx	0	1
100	MP2A	X	-2.168	1
101	MP2A	Z	0	1
102	MP2A	Mx	.000939	1
103	MP2B	X	-2.168	1
104	MP2B	Z	0	1
105	MP2B	Mx	-.000939	1
106	MP2C	X	-3.279	1
107	MP2C	Z	0	1
108	MP2C	Mx	0	1
109	OVP1	X	-5.5	1
110	OVP1	Z	0	1
111	OVP1	Mx	0	1
112	OVP2	X	-5.5	1
113	OVP2	Z	0	1
114	OVP2	Mx	0	1
115	MP1A	X	-.616	3
116	MP1A	Z	0	3
117	MP1A	Mx	.000154	3
118	MP1A	X	-.616	3
119	MP1A	Z	0	3
120	MP1A	Mx	-.000154	3
121	MP4B	X	-1.904	1
122	MP4B	Z	0	1
123	MP4B	Mx	.000476	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-.79	3
2	MP3A	Z	-.456	3
3	MP3A	Mx	-.000228	3
4	MP3B	X	-.79	3
5	MP3B	Z	-.456	3
6	MP3B	Mx	-.000228	3
7	MP3C	X	-.79	3
8	MP3C	Z	-.456	3
9	MP3C	Mx	-.000228	3
10	MP2A	X	-1.825	.5
11	MP2A	Z	-1.054	.5
12	MP2A	Mx	.000912	.5
13	MP2A	X	-1.825	2.5
14	MP2A	Z	-1.054	2.5
15	MP2A	Mx	.000912	2.5
16	MP2B	X	-3.591	.5
17	MP2B	Z	-2.073	.5
18	MP2B	Mx	0	.5
19	MP2B	X	-3.591	2.5
20	MP2B	Z	-2.073	2.5
21	MP2B	Mx	0	2.5
22	MP2C	X	-2.209	.5
23	MP2C	Z	-1.276	.5





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude [lb.k-ft]	Location [ft. %]
24	MP2C	Mx	-.000977	.5
25	MP2C	X	-2.209	2.5
26	MP2C	Z	-1.276	2.5
27	MP2C	Mx	-.000977	2.5
28	MP4A	X	-4.452	.5
29	MP4A	Z	-2.57	.5
30	MP4A	Mx	.002	.5
31	MP4A	X	-4.452	4.5
32	MP4A	Z	-2.57	4.5
33	MP4A	Mx	.002	4.5
34	MP4B	X	-5.276	.5
35	MP4B	Z	-3.046	.5
36	MP4B	Mx	0	.5
37	MP4B	X	-5.276	4.5
38	MP4B	Z	-3.046	4.5
39	MP4B	Mx	0	4.5
40	MP4C	X	-4.452	.5
41	MP4C	Z	-2.57	.5
42	MP4C	Mx	-.002	.5
43	MP4C	X	-4.452	4.5
44	MP4C	Z	-2.57	4.5
45	MP4C	Mx	-.002	4.5
46	MP1A	X	-2.89	.5
47	MP1A	Z	-1.669	.5
48	MP1A	Mx	.000332	.5
49	MP1A	X	-2.89	4.5
50	MP1A	Z	-1.669	4.5
51	MP1A	Mx	.000332	4.5
52	MP1B	X	-5.047	.5
53	MP1B	Z	-2.914	.5
54	MP1B	Mx	.004	.5
55	MP1B	X	-5.047	4.5
56	MP1B	Z	-2.914	4.5
57	MP1B	Mx	.004	4.5
58	MP1C	X	-3.359	.5
59	MP1C	Z	-1.939	.5
60	MP1C	Mx	-.003	.5
61	MP1C	X	-3.359	4.5
62	MP1C	Z	-1.939	4.5
63	MP1C	Mx	-.003	4.5
64	MP1A	X	-2.89	.5
65	MP1A	Z	-1.669	.5
66	MP1A	Mx	.003	.5
67	MP1A	X	-2.89	4.5
68	MP1A	Z	-1.669	4.5
69	MP1A	Mx	.003	4.5
70	MP1B	X	-5.047	.5
71	MP1B	Z	-2.914	.5
72	MP1B	Mx	-.004	.5
73	MP1B	X	-5.047	4.5
74	MP1B	Z	-2.914	4.5
75	MP1B	Mx	-.004	4.5
76	MP1C	X	-3.359	.5
77	MP1C	Z	-1.939	.5
78	MP1C	Mx	.000177	.5
79	MP1C	X	-3.359	4.5
80	MP1C	Z	-1.939	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
81	MP1C	Mx	.000177	4.5
82	MP2A	X	-.647	5
83	MP2A	Z	-.374	5
84	MP2A	Mx	.000324	5
85	MP2B	X	-1.63	5
86	MP2B	Z	-.941	5
87	MP2B	Mx	0	5
88	MP2C	X	-.861	5
89	MP2C	Z	-.497	5
90	MP2C	Mx	-.000381	5
91	MP1A	X	-1.905	1
92	MP1A	Z	-1.1	1
93	MP1A	Mx	.001	1
94	MP1B	X	-2.606	1
95	MP1B	Z	-1.505	1
96	MP1B	Mx	-.000752	1
97	MP1C	X	-2.606	1
98	MP1C	Z	-1.505	1
99	MP1C	Mx	-.000752	1
100	MP2A	X	-1.557	1
101	MP2A	Z	-.899	1
102	MP2A	Mx	.000899	1
103	MP2B	X	-2.519	1
104	MP2B	Z	-1.454	1
105	MP2B	Mx	-.000727	1
106	MP2C	X	-2.519	1
107	MP2C	Z	-1.454	1
108	MP2C	Mx	-.000727	1
109	OVP1	X	-5.459	1
110	OVP1	Z	-3.152	1
111	OVP1	Mx	0	1
112	OVP2	X	-5.459	1
113	OVP2	Z	-3.152	1
114	OVP2	Mx	0	1
115	MP1A	X	-.84	3
116	MP1A	Z	-.485	3
117	MP1A	Mx	.00021	3
118	MP1A	X	-.84	3
119	MP1A	Z	-.485	3
120	MP1A	Mx	-.00021	3
121	MP4B	X	-1.832	1
122	MP4B	Z	-1.058	1
123	MP4B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-.476	3
2	MP3A	Z	-.824	3
3	MP3A	Mx	0	3
4	MP3B	X	-.476	3
5	MP3B	Z	-.824	3
6	MP3B	Mx	0	3
7	MP3C	X	-.476	3
8	MP3C	Z	-.824	3
9	MP3C	Mx	0	3
10	MP2A	X	-1.733	.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
11	MP2A	Z	-3.002	.5
12	MP2A	Mx	.000866	.5
13	MP2A	X	-1.733	2.5
14	MP2A	Z	-3.002	2.5
15	MP2A	Mx	.000866	2.5
16	MP2B	X	-1.733	.5
17	MP2B	Z	-3.002	.5
18	MP2B	Mx	.000867	.5
19	MP2B	X	-1.733	2.5
20	MP2B	Z	-3.002	2.5
21	MP2B	Mx	.000867	2.5
22	MP2C	X	-.755	.5
23	MP2C	Z	-1.308	.5
24	MP2C	Mx	-.000744	.5
25	MP2C	X	-.755	2.5
26	MP2C	Z	-1.308	2.5
27	MP2C	Mx	-.000744	2.5
28	MP4A	X	-2.888	.5
29	MP4A	Z	-5.001	.5
30	MP4A	Mx	.001	.5
31	MP4A	X	-2.888	4.5
32	MP4A	Z	-5.001	4.5
33	MP4A	Mx	.001	4.5
34	MP4B	X	-2.888	.5
35	MP4B	Z	-5.001	.5
36	MP4B	Mx	.001	.5
37	MP4B	X	-2.888	4.5
38	MP4B	Z	-5.001	4.5
39	MP4B	Mx	.001	4.5
40	MP4C	X	-2.412	.5
41	MP4C	Z	-4.178	.5
42	MP4C	Mx	-.002	.5
43	MP4C	X	-2.412	4.5
44	MP4C	Z	-4.178	4.5
45	MP4C	Mx	-.002	4.5
46	MP1A	X	-2.499	.5
47	MP1A	Z	-4.328	.5
48	MP1A	Mx	-.002	.5
49	MP1A	X	-2.499	4.5
50	MP1A	Z	-4.328	4.5
51	MP1A	Mx	-.002	4.5
52	MP1B	X	-2.499	.5
53	MP1B	Z	-4.328	.5
54	MP1B	Mx	.004	.5
55	MP1B	X	-2.499	4.5
56	MP1B	Z	-4.328	4.5
57	MP1B	Mx	.004	4.5
58	MP1C	X	-1.303	.5
59	MP1C	Z	-2.258	.5
60	MP1C	Mx	-.002	.5
61	MP1C	X	-1.303	4.5
62	MP1C	Z	-2.258	4.5
63	MP1C	Mx	-.002	4.5
64	MP1A	X	-2.499	.5
65	MP1A	Z	-4.328	.5
66	MP1A	Mx	.004	.5
67	MP1A	X	-2.499	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
68	MP1A	Z	-4.328	4.5
69	MP1A	Mx	.004	4.5
70	MP1B	X	-2.499	.5
71	MP1B	Z	-4.328	.5
72	MP1B	Mx	-.002	.5
73	MP1B	X	-2.499	4.5
74	MP1B	Z	-4.328	4.5
75	MP1B	Mx	-.002	4.5
76	MP1C	X	-1.303	.5
77	MP1C	Z	-2.258	.5
78	MP1C	Mx	-.000982	.5
79	MP1C	X	-1.303	4.5
80	MP1C	Z	-2.258	4.5
81	MP1C	Mx	-.000982	4.5
82	MP2A	X	-.752	5
83	MP2A	Z	-1.303	5
84	MP2A	Mx	.000376	5
85	MP2B	X	-.752	5
86	MP2B	Z	-1.303	5
87	MP2B	Mx	.000376	5
88	MP2C	X	-.207	5
89	MP2C	Z	-.359	5
90	MP2C	Mx	-.000204	5
91	MP1A	X	-1.235	1
92	MP1A	Z	-2.139	1
93	MP1A	Mx	.001	1
94	MP1B	X	-1.639	1
95	MP1B	Z	-2.84	1
96	MP1B	Mx	0	1
97	MP1C	X	-1.235	1
98	MP1C	Z	-2.139	1
99	MP1C	Mx	-.001	1
100	MP2A	X	-1.084	1
101	MP2A	Z	-1.878	1
102	MP2A	Mx	.000939	1
103	MP2B	X	-1.639	1
104	MP2B	Z	-2.84	1
105	MP2B	Mx	0	1
106	MP2C	X	-1.084	1
107	MP2C	Z	-1.878	1
108	MP2C	Mx	-.000939	1
109	OVP1	X	-3.353	1
110	OVP1	Z	-5.807	1
111	OVP1	Mx	0	1
112	OVP2	X	-3.353	1
113	OVP2	Z	-5.807	1
114	OVP2	Mx	0	1
115	MP1A	X	-.839	3
116	MP1A	Z	-1.452	3
117	MP1A	Mx	.00021	3
118	MP1A	X	-.839	3
119	MP1A	Z	-1.452	3
120	MP1A	Mx	-.00021	3
121	MP4B	X	-.952	1
122	MP4B	Z	-1.649	1
123	MP4B	Mx	-.000476	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-.28	3
2	MP3A	My	.000121	3
3	MP3A	Mz	-7e-5	3
4	MP3B	Y	-.28	3
5	MP3B	Mv	.000121	3
6	MP3B	Mz	-7e-5	3
7	MP3C	Y	-.28	3
8	MP3C	My	.000121	3
9	MP3C	Mz	-7e-5	3
10	MP2A	Y	-.925	.5
11	MP2A	Mv	-.000463	.5
12	MP2A	Mz	0	.5
13	MP2A	Y	-.925	2.5
14	MP2A	My	-.000463	2.5
15	MP2A	Mz	0	2.5
16	MP2B	Y	-.925	.5
17	MP2B	Mv	.000231	.5
18	MP2B	Mz	-.000401	.5
19	MP2B	Y	-.925	2.5
20	MP2B	My	.000231	2.5
21	MP2B	Mz	-.000401	2.5
22	MP2C	Y	-.925	.5
23	MP2C	Mv	.000158	.5
24	MP2C	Mz	.000435	.5
25	MP2C	Y	-.925	2.5
26	MP2C	My	.000158	2.5
27	MP2C	Mz	.000435	2.5
28	MP4A	Y	-.191	.5
29	MP4A	Mv	-9.6e-5	.5
30	MP4A	Mz	0	.5
31	MP4A	Y	-.191	4.5
32	MP4A	My	-9.6e-5	4.5
33	MP4A	Mz	0	4.5
34	MP4B	Y	-.191	.5
35	MP4B	Mv	4.8e-5	.5
36	MP4B	Mz	-8.3e-5	.5
37	MP4B	Y	-.191	4.5
38	MP4B	My	4.8e-5	4.5
39	MP4B	Mz	-8.3e-5	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP4C	Y	-.191	.5
41	MP4C	Mv	4.8e-5	.5
42	MP4C	Mz	8.3e-5	.5
43	MP4C	Y	-.191	4.5
44	MP4C	Mv	4.8e-5	4.5
45	MP4C	Mz	8.3e-5	4.5
46	MP1A	Y	-.425	.5
47	MP1A	Mv	-.000212	.5
48	MP1A	Mz	.000283	.5
49	MP1A	Y	-.425	4.5
50	MP1A	Mv	-.000212	4.5
51	MP1A	Mz	.000283	4.5
52	MP1B	Y	-.425	.5
53	MP1B	Mv	-.000139	.5
54	MP1B	Mz	-.000326	.5
55	MP1B	Y	-.425	4.5
56	MP1B	Mv	-.000139	4.5
57	MP1B	Mz	-.000326	4.5
58	MP1C	Y	-.425	.5
59	MP1C	Mv	.000339	.5
60	MP1C	Mz	.000103	.5
61	MP1C	Y	-.425	4.5
62	MP1C	Mv	.000339	4.5
63	MP1C	Mz	.000103	4.5
64	MP1A	Y	-.425	.5
65	MP1A	Mv	-.000212	.5
66	MP1A	Mz	-.000283	.5
67	MP1A	Y	-.425	4.5
68	MP1A	Mv	-.000212	4.5
69	MP1A	Mz	-.000283	4.5
70	MP1B	Y	-.425	.5
71	MP1B	Mv	.000351	.5
72	MP1B	Mz	-4.2e-5	.5
73	MP1B	Y	-.425	4.5
74	MP1B	Mv	.000351	4.5
75	MP1B	Mz	-4.2e-5	4.5
76	MP1C	Y	-.425	.5
77	MP1C	Mv	-.000193	.5
78	MP1C	Mz	.000296	.5
79	MP1C	Y	-.425	4.5
80	MP1C	Mv	-.000193	4.5
81	MP1C	Mz	.000296	4.5
82	MP2A	Y	-.093	.5
83	MP2A	Mv	-4.7e-5	.5
84	MP2A	Mz	0	.5
85	MP2B	Y	-.093	.5
86	MP2B	Mv	2.3e-5	.5
87	MP2B	Mz	-4e-5	.5
88	MP2C	Y	-.093	.5
89	MP2C	Mv	1.6e-5	.5
90	MP2C	Mz	4.4e-5	.5
91	MP1A	Y	-1.793	1
92	MP1A	Mv	-.000776	1
93	MP1A	Mz	-.000448	1
94	MP1B	Y	-1.793	1
95	MP1B	Mv	.000776	1
96	MP1B	Mz	-.000448	1



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
97	MP1C	Y	-1.793	1
98	MP1C	My	0	1
99	MP1C	Mz	.000896	1
100	MP2A	Y	-1.493	1
101	MP2A	Mv	- .000647	1
102	MP2A	Mz	- .000373	1
103	MP2B	Y	-1.493	1
104	MP2B	My	.000647	1
105	MP2B	Mz	- .000373	1
106	MP2C	Y	-1.493	1
107	MP2C	Mv	0	1
108	MP2C	Mz	.000747	1
109	OVP1	Y	-.68	1
110	OVP1	My	0	1
111	OVP1	Mz	0	1
112	OVP2	Y	-.68	1
113	OVP2	Mv	0	1
114	OVP2	Mz	0	1
115	MP1A	Y	-.374	3
116	MP1A	My	-9.3e-5	3
117	MP1A	Mz	0	3
118	MP1A	Y	-.374	3
119	MP1A	Mv	9.3e-5	3
120	MP1A	Mz	0	3
121	MP4B	Y	-.212	1
122	MP4B	My	-5.3e-5	1
123	MP4B	Mz	9.2e-5	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Z	-.701	3
2	MP3A	Mx	.000175	3
3	MP3B	Z	-.701	3
4	MP3B	Mx	.000175	3
5	MP3C	Z	-.701	3
6	MP3C	Mx	.000175	3
7	MP2A	Z	-2.313	.5
8	MP2A	Mx	0	.5
9	MP2A	Z	-2.313	2.5
10	MP2A	Mx	0	2.5
11	MP2B	Z	-2.313	.5
12	MP2B	Mx	.001	.5
13	MP2B	Z	-2.313	2.5
14	MP2B	Mx	.001	2.5
15	MP2C	Z	-2.313	.5
16	MP2C	Mx	-.001	.5
17	MP2C	Z	-2.313	2.5
18	MP2C	Mx	-.001	2.5
19	MP4A	Z	-.478	.5
20	MP4A	Mx	0	.5
21	MP4A	Z	-.478	4.5
22	MP4A	Mx	0	4.5
23	MP4B	Z	-.478	.5
24	MP4B	Mx	.000207	.5
25	MP4B	Z	-.478	4.5
26	MP4B	Mx	.000207	4.5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP4C	Z	-.478	.5
28	MP4C	Mx	-.000207	.5
29	MP4C	Z	-.478	4.5
30	MP4C	Mx	-.000207	4.5
31	MP1A	Z	-1.062	.5
32	MP1A	Mx	-.000708	.5
33	MP1A	Z	-1.062	4.5
34	MP1A	Mx	-.000708	4.5
35	MP1B	Z	-1.062	.5
36	MP1B	Mx	.000814	.5
37	MP1B	Z	-1.062	4.5
38	MP1B	Mx	.000814	4.5
39	MP1C	Z	-1.062	.5
40	MP1C	Mx	-.000257	.5
41	MP1C	Z	-1.062	4.5
42	MP1C	Mx	-.000257	4.5
43	MP1A	Z	-1.062	.5
44	MP1A	Mx	.000708	.5
45	MP1A	Z	-1.062	4.5
46	MP1A	Mx	.000708	4.5
47	MP1B	Z	-1.062	.5
48	MP1B	Mx	.000106	.5
49	MP1B	Z	-1.062	4.5
50	MP1B	Mx	.000106	4.5
51	MP1C	Z	-1.062	.5
52	MP1C	Mx	-.000741	.5
53	MP1C	Z	-1.062	4.5
54	MP1C	Mx	-.000741	4.5
55	MP2A	Z	-.234	5
56	MP2A	Mx	0	5
57	MP2B	Z	-.234	5
58	MP2B	Mx	.000101	5
59	MP2C	Z	-.234	5
60	MP2C	Mx	-.00011	5
61	MP1A	Z	-4.482	1
62	MP1A	Mx	.001	1
63	MP1B	Z	-4.482	1
64	MP1B	Mx	.001	1
65	MP1C	Z	-4.482	1
66	MP1C	Mx	-.002	1
67	MP2A	Z	-3.733	1
68	MP2A	Mx	.000933	1
69	MP2B	Z	-3.733	1
70	MP2B	Mx	.000933	1
71	MP2C	Z	-3.733	1
72	MP2C	Mx	-.002	1
73	OVP1	Z	-1.699	1
74	OVP1	Mx	0	1
75	OVP2	Z	-1.699	1
76	OVP2	Mx	0	1
77	MP1A	Z	-.935	3
78	MP1A	Mx	0	3
79	MP1A	Z	-.935	3
80	MP1A	Mx	0	3
81	MP4B	Z	-.531	1
82	MP4B	Mx	-.00023	1





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	.701	3
2	MP3A	Mx	.000304	3
3	MP3B	X	.701	3
4	MP3B	Mx	.000304	3
5	MP3C	X	.701	3
6	MP3C	Mx	.000304	3
7	MP2A	X	2.313	.5
8	MP2A	Mx	-.001	.5
9	MP2A	X	2.313	2.5
10	MP2A	Mx	-.001	2.5
11	MP2B	X	2.313	.5
12	MP2B	Mx	.000578	.5
13	MP2B	X	2.313	2.5
14	MP2B	Mx	.000578	2.5
15	MP2C	X	2.313	.5
16	MP2C	Mx	.000395	.5
17	MP2C	X	2.313	2.5
18	MP2C	Mx	.000395	2.5
19	MP4A	X	.478	.5
20	MP4A	Mx	-.000239	.5
21	MP4A	X	.478	4.5
22	MP4A	Mx	-.000239	4.5
23	MP4B	X	.478	.5
24	MP4B	Mx	.000119	.5
25	MP4B	X	.478	4.5
26	MP4B	Mx	.000119	4.5
27	MP4C	X	.478	.5
28	MP4C	Mx	.000119	.5
29	MP4C	X	.478	4.5
30	MP4C	Mx	.000119	4.5
31	MP1A	X	1.062	.5
32	MP1A	Mx	-.000531	.5
33	MP1A	X	1.062	4.5
34	MP1A	Mx	-.000531	4.5
35	MP1B	X	1.062	.5
36	MP1B	Mx	-.000348	.5
37	MP1B	X	1.062	4.5
38	MP1B	Mx	-.000348	4.5
39	MP1C	X	1.062	.5
40	MP1C	Mx	.000847	.5
41	MP1C	X	1.062	4.5
42	MP1C	Mx	.000847	4.5
43	MP1A	X	1.062	.5
44	MP1A	Mx	-.000531	.5
45	MP1A	X	1.062	4.5
46	MP1A	Mx	-.000531	4.5
47	MP1B	X	1.062	.5
48	MP1B	Mx	.000879	.5
49	MP1B	X	1.062	4.5
50	MP1B	Mx	.000879	4.5
51	MP1C	X	1.062	.5
52	MP1C	Mx	-.000484	.5
53	MP1C	X	1.062	4.5
54	MP1C	Mx	-.000484	4.5
55	MP2A	X	.234	5
56	MP2A	Mx	-.000117	5
57	MP2B	X	.234	5



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP2B	Mx	5.8e-5	5
59	MP2C	X	.234	5
60	MP2C	Mx	4e-5	5
61	MP1A	X	4.482	1
62	MP1A	Mx	-.002	1
63	MP1B	X	4.482	1
64	MP1B	Mx	.002	1
65	MP1C	X	4.482	1
66	MP1C	Mx	0	1
67	MP2A	X	3.733	1
68	MP2A	Mx	-.002	1
69	MP2B	X	3.733	1
70	MP2B	Mx	.002	1
71	MP2C	X	3.733	1
72	MP2C	Mx	0	1
73	OVP1	X	1.699	1
74	OVP1	Mx	0	1
75	OVP2	X	1.699	1
76	OVP2	Mx	0	1
77	MP1A	X	.935	3
78	MP1A	Mx	-.000234	3
79	MP1A	X	.935	3
80	MP1A	Mx	.000234	3
81	MP4B	X	.531	1
82	MP4B	Mx	-.000133	1

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	LV	Y	-11.066	-11.066	0	%100
2	M72A	Y	-15.628	-15.628	0	%100
3	M75	Y	-16.398	-16.398	0	%100
4	M78	Y	-9.645	-9.645	0	%100
5	M79	Y	-9.645	-9.645	0	%100
6	M87A	Y	-16.398	-16.398	0	%100
7	M92	Y	-16.398	-16.398	0	%100
8	MP4A	Y	-8.686	-8.686	0	%100
9	MP3A	Y	-8.686	-8.686	0	%100
10	MP2A	Y	-8.686	-8.686	0	%100
11	MP1A	Y	-8.686	-8.686	0	%100
12	M37	Y	-8.686	-8.686	0	%100
13	M37A	Y	-15.628	-15.628	0	%100
14	M38	Y	-15.628	-15.628	0	%100
15	M43	Y	-16.378	-16.378	0	%100
16	M44	Y	-16.378	-16.378	0	%100
17	M46	Y	-16.378	-16.378	0	%100
18	M47	Y	-16.378	-16.378	0	%100
19	M37B	Y	-11.066	-11.066	0	%100
20	M38A	Y	-15.628	-15.628	0	%100
21	M39A	Y	-16.398	-16.398	0	%100
22	M40A	Y	-9.645	-9.645	0	%100
23	M41A	Y	-9.645	-9.645	0	%100
24	M44A	Y	-16.398	-16.398	0	%100
25	M46A	Y	-16.398	-16.398	0	%100
26	MP4C	Y	-8.686	-8.686	0	%100
27	MP3C	Y	-8.686	-8.686	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
28	MP2C	Y	-8.686	-8.686	0	%100
29	MP1C	Y	-8.686	-8.686	0	%100
30	M60	Y	-8.686	-8.686	0	%100
31	M61	Y	-15.628	-15.628	0	%100
32	M62	Y	-15.628	-15.628	0	%100
33	M67	Y	-16.378	-16.378	0	%100
34	M68	Y	-16.378	-16.378	0	%100
35	M70	Y	-16.378	-16.378	0	%100
36	M71	Y	-16.378	-16.378	0	%100
37	M73	Y	-11.066	-11.066	0	%100
38	M74	Y	-15.628	-15.628	0	%100
39	M75B	Y	-16.398	-16.398	0	%100
40	M76	Y	-9.645	-9.645	0	%100
41	M77	Y	-9.645	-9.645	0	%100
42	M80B	Y	-16.398	-16.398	0	%100
43	M82	Y	-16.398	-16.398	0	%100
44	MP4B	Y	-8.686	-8.686	0	%100
45	MP3B	Y	-8.686	-8.686	0	%100
46	MP2B	Y	-8.686	-8.686	0	%100
47	MP1B	Y	-8.686	-8.686	0	%100
48	M96	Y	-8.686	-8.686	0	%100
49	M97	Y	-15.628	-15.628	0	%100
50	M98	Y	-15.628	-15.628	0	%100
51	M103	Y	-16.378	-16.378	0	%100
52	M104	Y	-16.378	-16.378	0	%100
53	M106	Y	-16.378	-16.378	0	%100
54	M107	Y	-16.378	-16.378	0	%100
55	OVP1	Y	-8.686	-8.686	0	%100
56	OVP2	Y	-8.686	-8.686	0	%100
57	M119	Y	-11.141	-11.141	0	%100
58	M120	Y	-11.141	-11.141	0	%100
59	M121	Y	-11.141	-11.141	0	%100
60	M122	Y	-8.686	-8.686	0	%100
61	M123	Y	-8.686	-8.686	0	%100
62	M124	Y	-8.686	-8.686	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	-11.846	-11.846	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	-20.308	-20.308	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	-2.776	-2.776	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	-2.776	-2.776	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	-5.359	-5.359	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	-5.359	-5.359	0	%100
15	MP4A	X	0	0	0	%100
16	MP4A	Z	-8.038	-8.038	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	-8.038	-8.038	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-8.038	-8.038	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	-8.038	-8.038	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	-8.038	-8.038	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	-11.089	-11.089	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	-11.089	-11.089	0	%100
29	M43	X	0	0	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	-5.171	-5.171	0	%100
33	M46	X	0	0	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	-5.171	-5.171	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	-2.962	-2.962	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	-9.682	-9.682	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	-5.077	-5.077	0	%100
43	M40A	X	0	0	0	%100
44	M40A	Z	-2.865	-2.865	0	%100
45	M41A	X	0	0	0	%100
46	M41A	Z	-11.282	-11.282	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	-21.436	-21.436	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-5.359	-5.359	0	%100
51	MP4C	X	0	0	0	%100
52	MP4C	Z	-8.038	-8.038	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	-8.038	-8.038	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	-8.038	-8.038	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	-8.038	-8.038	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	-2.01	-2.01	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	-2.772	-2.772	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	-2.772	-2.772	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	-15.325	-15.325	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	-20.684	-20.684	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	-15.325	-15.325	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	-5.171	-5.171	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-2.962	-2.962	0	%100
75	M74	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
76	M74	Z	-9.682	-9.682	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	-5.077	-5.077	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	-11.282	-11.282	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	-2.865	-2.865	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	-5.359	-5.359	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	-21.436	-21.436	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	-8.038	-8.038	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	-8.038	-8.038	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-8.038	-8.038	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-8.038	-8.038	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	-2.01	-2.01	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	-2.772	-2.772	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	-2.772	-2.772	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	-15.325	-15.325	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-5.171	-5.171	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	-15.325	-15.325	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-20.684	-20.684	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	-7.326	-7.326	0	%100
111	OVP2	X	0	0	0	%100
112	OVP2	Z	-7.326	-7.326	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	-2.268	-2.268	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	-2.268	-2.268	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	-9.072	-9.072	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	-8.038	-8.038	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	-2.01	-2.01	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	-2.01	-2.01	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	4.442	4.442	0	%100
2	LV	Z	-7.694	-7.694	0	%100
3	M72A	X	1.614	1.614	0	%100
4	M72A	Z	-2.795	-2.795	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
5	M75	X	7.615	7.615	0	%100
6	M75	Z	-13.19	-13.19	0	%100
7	M78	X	4.208	4.208	0	%100
8	M78	Z	-7.289	-7.289	0	%100
9	M79	X	.000117	.000117	0	%100
10	M79	Z	-.000202	-.000202	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	8.038	8.038	0	%100
14	M92	Z	-13.923	-13.923	0	%100
15	MP4A	X	4.019	4.019	0	%100
16	MP4A	Z	-6.962	-6.962	0	%100
17	MP3A	X	4.019	4.019	0	%100
18	MP3A	Z	-6.962	-6.962	0	%100
19	MP2A	X	4.019	4.019	0	%100
20	MP2A	Z	-6.962	-6.962	0	%100
21	MP1A	X	4.019	4.019	0	%100
22	MP1A	Z	-6.962	-6.962	0	%100
23	M37	X	3.014	3.014	0	%100
24	M37	Z	-5.221	-5.221	0	%100
25	M37A	X	4.158	4.158	0	%100
26	M37A	Z	-7.202	-7.202	0	%100
27	M38	X	4.158	4.158	0	%100
28	M38	Z	-7.202	-7.202	0	%100
29	M43	X	2.554	2.554	0	%100
30	M43	Z	-4.424	-4.424	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	2.554	2.554	0	%100
34	M46	Z	-4.424	-4.424	0	%100
35	M47	X	7.756	7.756	0	%100
36	M47	Z	-13.435	-13.435	0	%100
37	M37B	X	4.442	4.442	0	%100
38	M37B	Z	-7.694	-7.694	0	%100
39	M38A	X	1.614	1.614	0	%100
40	M38A	Z	-2.795	-2.795	0	%100
41	M39A	X	7.615	7.615	0	%100
42	M39A	Z	-13.19	-13.19	0	%100
43	M40A	X	.000117	.000117	0	%100
44	M40A	Z	-.000203	-.000203	0	%100
45	M41A	X	4.208	4.208	0	%100
46	M41A	Z	-7.289	-7.289	0	%100
47	M44A	X	8.038	8.038	0	%100
48	M44A	Z	-13.923	-13.923	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	4.019	4.019	0	%100
52	MP4C	Z	-6.962	-6.962	0	%100
53	MP3C	X	4.019	4.019	0	%100
54	MP3C	Z	-6.962	-6.962	0	%100
55	MP2C	X	4.019	4.019	0	%100
56	MP2C	Z	-6.962	-6.962	0	%100
57	MP1C	X	4.019	4.019	0	%100
58	MP1C	Z	-6.962	-6.962	0	%100
59	M60	X	3.014	3.014	0	%100
60	M60	Z	-5.221	-5.221	0	%100
61	M61	X	4.158	4.158	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
62	M61	Z	-7.202	-7.202	0	%100
63	M62	X	4.158	4.158	0	%100
64	M62	Z	-7.202	-7.202	0	%100
65	M67	X	2.554	2.554	0	%100
66	M67	Z	-4.424	-4.424	0	%100
67	M68	X	7.756	7.756	0	%100
68	M68	Z	-13.435	-13.435	0	%100
69	M70	X	2.554	2.554	0	%100
70	M70	Z	-4.424	-4.424	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	6.455	6.455	0	%100
76	M74	Z	-11.18	-11.18	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	4.253	4.253	0	%100
80	M76	Z	-7.366	-7.366	0	%100
81	M77	X	4.253	4.253	0	%100
82	M77	Z	-7.366	-7.366	0	%100
83	M80B	X	8.038	8.038	0	%100
84	M80B	Z	-13.923	-13.923	0	%100
85	M82	X	8.038	8.038	0	%100
86	M82	Z	-13.923	-13.923	0	%100
87	MP4B	X	4.019	4.019	0	%100
88	MP4B	Z	-6.962	-6.962	0	%100
89	MP3B	X	4.019	4.019	0	%100
90	MP3B	Z	-6.962	-6.962	0	%100
91	MP2B	X	4.019	4.019	0	%100
92	MP2B	Z	-6.962	-6.962	0	%100
93	MP1B	X	4.019	4.019	0	%100
94	MP1B	Z	-6.962	-6.962	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	10.217	10.217	0	%100
102	M103	Z	-17.696	-17.696	0	%100
103	M104	X	7.756	7.756	0	%100
104	M104	Z	-13.435	-13.435	0	%100
105	M106	X	10.217	10.217	0	%100
106	M106	Z	-17.696	-17.696	0	%100
107	M107	X	7.756	7.756	0	%100
108	M107	Z	-13.435	-13.435	0	%100
109	OVP1	X	3.663	3.663	0	%100
110	OVP1	Z	-6.344	-6.344	0	%100
111	OVP2	X	3.663	3.663	0	%100
112	OVP2	Z	-6.344	-6.344	0	%100
113	M119	X	3.402	3.402	0	%100
114	M119	Z	-5.892	-5.892	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	3.402	3.402	0	%100
118	M121	Z	-5.892	-5.892	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
119	M122	X	3.014	3.014	0	%100
120	M122	Z	-5.221	-5.221	0	%100
121	M123	X	3.014	3.014	0	%100
122	M123	Z	-5.221	-5.221	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	2.565	2.565	0	%100
2	LV	Z	-1.481	-1.481	0	%100
3	M72A	X	8.385	8.385	0	%100
4	M72A	Z	-4.841	-4.841	0	%100
5	M75	X	4.397	4.397	0	%100
6	M75	Z	-2.538	-2.538	0	%100
7	M78	X	9.77	9.77	0	%100
8	M78	Z	-5.641	-5.641	0	%100
9	M79	X	2.481	2.481	0	%100
10	M79	Z	-1.433	-1.433	0	%100
11	M87A	X	4.641	4.641	0	%100
12	M87A	Z	-2.679	-2.679	0	%100
13	M92	X	18.564	18.564	0	%100
14	M92	Z	-10.718	-10.718	0	%100
15	MP4A	X	6.962	6.962	0	%100
16	MP4A	Z	-4.019	-4.019	0	%100
17	MP3A	X	6.962	6.962	0	%100
18	MP3A	Z	-4.019	-4.019	0	%100
19	MP2A	X	6.962	6.962	0	%100
20	MP2A	Z	-4.019	-4.019	0	%100
21	MP1A	X	6.962	6.962	0	%100
22	MP1A	Z	-4.019	-4.019	0	%100
23	M37	X	1.74	1.74	0	%100
24	M37	Z	-1.005	-1.005	0	%100
25	M37A	X	2.401	2.401	0	%100
26	M37A	Z	-1.386	-1.386	0	%100
27	M38	X	2.401	2.401	0	%100
28	M38	Z	-1.386	-1.386	0	%100
29	M43	X	13.272	13.272	0	%100
30	M43	Z	-7.662	-7.662	0	%100
31	M44	X	4.478	4.478	0	%100
32	M44	Z	-2.585	-2.585	0	%100
33	M46	X	13.272	13.272	0	%100
34	M46	Z	-7.662	-7.662	0	%100
35	M47	X	17.913	17.913	0	%100
36	M47	Z	-10.342	-10.342	0	%100
37	M37B	X	10.259	10.259	0	%100
38	M37B	Z	-5.923	-5.923	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	17.587	17.587	0	%100
42	M39A	Z	-10.154	-10.154	0	%100
43	M40A	X	2.404	2.404	0	%100
44	M40A	Z	-1.388	-1.388	0	%100
45	M41A	X	2.404	2.404	0	%100
46	M41A	Z	-1.388	-1.388	0	%100
47	M44A	X	4.641	4.641	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
48	M44A	Z	-2.679	-2.679	0	%100
49	M46A	X	4.641	4.641	0	%100
50	M46A	Z	-2.679	-2.679	0	%100
51	MP4C	X	6.962	6.962	0	%100
52	MP4C	Z	-4.019	-4.019	0	%100
53	MP3C	X	6.962	6.962	0	%100
54	MP3C	Z	-4.019	-4.019	0	%100
55	MP2C	X	6.962	6.962	0	%100
56	MP2C	Z	-4.019	-4.019	0	%100
57	MP1C	X	6.962	6.962	0	%100
58	MP1C	Z	-4.019	-4.019	0	%100
59	M60	X	6.962	6.962	0	%100
60	M60	Z	-4.019	-4.019	0	%100
61	M61	X	9.603	9.603	0	%100
62	M61	Z	-5.544	-5.544	0	%100
63	M62	X	9.603	9.603	0	%100
64	M62	Z	-5.544	-5.544	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	4.478	4.478	0	%100
68	M68	Z	-2.585	-2.585	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	4.478	4.478	0	%100
72	M71	Z	-2.585	-2.585	0	%100
73	M73	X	2.565	2.565	0	%100
74	M73	Z	-1.481	-1.481	0	%100
75	M74	X	8.385	8.385	0	%100
76	M74	Z	-4.841	-4.841	0	%100
77	M75B	X	4.397	4.397	0	%100
78	M75B	Z	-2.538	-2.538	0	%100
79	M76	X	2.481	2.481	0	%100
80	M76	Z	-1.433	-1.433	0	%100
81	M77	X	9.77	9.77	0	%100
82	M77	Z	-5.641	-5.641	0	%100
83	M80B	X	18.564	18.564	0	%100
84	M80B	Z	-10.718	-10.718	0	%100
85	M82	X	4.641	4.641	0	%100
86	M82	Z	-2.679	-2.679	0	%100
87	MP4B	X	6.962	6.962	0	%100
88	MP4B	Z	-4.019	-4.019	0	%100
89	MP3B	X	6.962	6.962	0	%100
90	MP3B	Z	-4.019	-4.019	0	%100
91	MP2B	X	6.962	6.962	0	%100
92	MP2B	Z	-4.019	-4.019	0	%100
93	MP1B	X	6.962	6.962	0	%100
94	MP1B	Z	-4.019	-4.019	0	%100
95	M96	X	1.74	1.74	0	%100
96	M96	Z	-1.005	-1.005	0	%100
97	M97	X	2.401	2.401	0	%100
98	M97	Z	-1.386	-1.386	0	%100
99	M98	X	2.401	2.401	0	%100
100	M98	Z	-1.386	-1.386	0	%100
101	M103	X	13.272	13.272	0	%100
102	M103	Z	-7.662	-7.662	0	%100
103	M104	X	17.913	17.913	0	%100
104	M104	Z	-10.342	-10.342	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
105	M106	X	13.272	13.272	0	%100
106	M106	Z	-7.662	-7.662	0	%100
107	M107	X	4.478	4.478	0	%100
108	M107	Z	-2.585	-2.585	0	%100
109	OVP1	X	6.344	6.344	0	%100
110	OVP1	Z	-3.663	-3.663	0	%100
111	OVP2	X	6.344	6.344	0	%100
112	OVP2	Z	-3.663	-3.663	0	%100
113	M119	X	7.856	7.856	0	%100
114	M119	Z	-4.536	-4.536	0	%100
115	M120	X	1.964	1.964	0	%100
116	M120	Z	-1.134	-1.134	0	%100
117	M121	X	1.964	1.964	0	%100
118	M121	Z	-1.134	-1.134	0	%100
119	M122	X	1.74	1.74	0	%100
120	M122	Z	-1.005	-1.005	0	%100
121	M123	X	6.962	6.962	0	%100
122	M123	Z	-4.019	-4.019	0	%100
123	M124	X	1.74	1.74	0	%100
124	M124	Z	-1.005	-1.005	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M72A	X	12.91	12.91	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M78	X	8.506	8.506	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	8.506	8.506	0	%100
10	M79	Z	0	0	0	%100
11	M87A	X	16.077	16.077	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	16.077	16.077	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	8.038	8.038	0	%100
16	MP4A	Z	0	0	0	%100
17	MP3A	X	8.038	8.038	0	%100
18	MP3A	Z	0	0	0	%100
19	MP2A	X	8.038	8.038	0	%100
20	MP2A	Z	0	0	0	%100
21	MP1A	X	8.038	8.038	0	%100
22	MP1A	Z	0	0	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	0	0	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M43	X	20.433	20.433	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	15.513	15.513	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	20.433	20.433	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
34	M46	Z	0	0	0	%100
35	M47	X	15.513	15.513	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	8.885	8.885	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	3.227	3.227	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	15.231	15.231	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	8.417	8.417	0	%100
44	M40A	Z	0	0	0	%100
45	M41A	X	.000234	.000234	0	%100
46	M41A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M46A	X	16.077	16.077	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	8.038	8.038	0	%100
52	MP4C	Z	0	0	0	%100
53	MP3C	X	8.038	8.038	0	%100
54	MP3C	Z	0	0	0	%100
55	MP2C	X	8.038	8.038	0	%100
56	MP2C	Z	0	0	0	%100
57	MP1C	X	8.038	8.038	0	%100
58	MP1C	Z	0	0	0	%100
59	M60	X	6.029	6.029	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	8.316	8.316	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	8.316	8.316	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	5.108	5.108	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	0	0	0	%100
69	M70	X	5.108	5.108	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	15.513	15.513	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	8.885	8.885	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	3.227	3.227	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	15.231	15.231	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	.000234	.000234	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	8.417	8.417	0	%100
82	M77	Z	0	0	0	%100
83	M80B	X	16.077	16.077	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	MP4B	X	8.038	8.038	0	%100
88	MP4B	Z	0	0	0	%100
89	MP3B	X	8.038	8.038	0	%100
90	MP3B	Z	0	0	0	%100



Company  
Designer  
Job Number  
Model Name

July 20, 2023  
12:28 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
91	MP2B	X	8.038	8.038	0	%100
92	MP2B	Z	0	0	0	%100
93	MP1B	X	8.038	8.038	0	%100
94	MP1B	Z	0	0	0	%100
95	M96	X	6.029	6.029	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	8.316	8.316	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	8.316	8.316	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	5.108	5.108	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	15.513	15.513	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	5.108	5.108	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	OVP1	X	7.326	7.326	0	%100
110	OVP1	Z	0	0	0	%100
111	OVP2	X	7.326	7.326	0	%100
112	OVP2	Z	0	0	0	%100
113	M119	X	6.804	6.804	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	6.804	6.804	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	0	0	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	6.029	6.029	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	6.029	6.029	0	%100
124	M124	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	2.565	2.565	0	%100
2	LV	Z	1.481	1.481	0	%100
3	M72A	X	8.385	8.385	0	%100
4	M72A	Z	4.841	4.841	0	%100
5	M75	X	4.397	4.397	0	%100
6	M75	Z	2.538	2.538	0	%100
7	M78	X	2.481	2.481	0	%100
8	M78	Z	1.433	1.433	0	%100
9	M79	X	9.77	9.77	0	%100
10	M79	Z	5.641	5.641	0	%100
11	M87A	X	18.564	18.564	0	%100
12	M87A	Z	10.718	10.718	0	%100
13	M92	X	4.641	4.641	0	%100
14	M92	Z	2.679	2.679	0	%100
15	MP4A	X	6.962	6.962	0	%100
16	MP4A	Z	4.019	4.019	0	%100
17	MP3A	X	6.962	6.962	0	%100
18	MP3A	Z	4.019	4.019	0	%100
19	MP2A	X	6.962	6.962	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
20	MP2A	Z	4.019	4.019	0	%100
21	MP1A	X	6.962	6.962	0	%100
22	MP1A	Z	4.019	4.019	0	%100
23	M37	X	1.74	1.74	0	%100
24	M37	Z	1.005	1.005	0	%100
25	M37A	X	2.401	2.401	0	%100
26	M37A	Z	1.386	1.386	0	%100
27	M38	X	2.401	2.401	0	%100
28	M38	Z	1.386	1.386	0	%100
29	M43	X	13.272	13.272	0	%100
30	M43	Z	7.662	7.662	0	%100
31	M44	X	17.913	17.913	0	%100
32	M44	Z	10.342	10.342	0	%100
33	M46	X	13.272	13.272	0	%100
34	M46	Z	7.662	7.662	0	%100
35	M47	X	4.478	4.478	0	%100
36	M47	Z	2.585	2.585	0	%100
37	M37B	X	2.565	2.565	0	%100
38	M37B	Z	1.481	1.481	0	%100
39	M38A	X	8.385	8.385	0	%100
40	M38A	Z	4.841	4.841	0	%100
41	M39A	X	4.397	4.397	0	%100
42	M39A	Z	2.538	2.538	0	%100
43	M40A	X	9.77	9.77	0	%100
44	M40A	Z	5.641	5.641	0	%100
45	M41A	X	2.481	2.481	0	%100
46	M41A	Z	1.433	1.433	0	%100
47	M44A	X	4.641	4.641	0	%100
48	M44A	Z	2.679	2.679	0	%100
49	M46A	X	18.564	18.564	0	%100
50	M46A	Z	10.718	10.718	0	%100
51	MP4C	X	6.962	6.962	0	%100
52	MP4C	Z	4.019	4.019	0	%100
53	MP3C	X	6.962	6.962	0	%100
54	MP3C	Z	4.019	4.019	0	%100
55	MP2C	X	6.962	6.962	0	%100
56	MP2C	Z	4.019	4.019	0	%100
57	MP1C	X	6.962	6.962	0	%100
58	MP1C	Z	4.019	4.019	0	%100
59	M60	X	1.74	1.74	0	%100
60	M60	Z	1.005	1.005	0	%100
61	M61	X	2.401	2.401	0	%100
62	M61	Z	1.386	1.386	0	%100
63	M62	X	2.401	2.401	0	%100
64	M62	Z	1.386	1.386	0	%100
65	M67	X	13.272	13.272	0	%100
66	M67	Z	7.662	7.662	0	%100
67	M68	X	4.478	4.478	0	%100
68	M68	Z	2.585	2.585	0	%100
69	M70	X	13.272	13.272	0	%100
70	M70	Z	7.662	7.662	0	%100
71	M71	X	17.913	17.913	0	%100
72	M71	Z	10.342	10.342	0	%100
73	M73	X	10.259	10.259	0	%100
74	M73	Z	5.923	5.923	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100



Company  
Designer  
Job Number  
Model Name

July 20, 2023  
12:28 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
77	M75B	X	17.587	17.587	0	%100
78	M75B	Z	10.154	10.154	0	%100
79	M76	X	2.404	2.404	0	%100
80	M76	Z	1.388	1.388	0	%100
81	M77	X	2.404	2.404	0	%100
82	M77	Z	1.388	1.388	0	%100
83	M80B	X	4.641	4.641	0	%100
84	M80B	Z	2.679	2.679	0	%100
85	M82	X	4.641	4.641	0	%100
86	M82	Z	2.679	2.679	0	%100
87	MP4B	X	6.962	6.962	0	%100
88	MP4B	Z	4.019	4.019	0	%100
89	MP3B	X	6.962	6.962	0	%100
90	MP3B	Z	4.019	4.019	0	%100
91	MP2B	X	6.962	6.962	0	%100
92	MP2B	Z	4.019	4.019	0	%100
93	MP1B	X	6.962	6.962	0	%100
94	MP1B	Z	4.019	4.019	0	%100
95	M96	X	6.962	6.962	0	%100
96	M96	Z	4.019	4.019	0	%100
97	M97	X	9.603	9.603	0	%100
98	M97	Z	5.544	5.544	0	%100
99	M98	X	9.603	9.603	0	%100
100	M98	Z	5.544	5.544	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	4.478	4.478	0	%100
104	M104	Z	2.585	2.585	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	4.478	4.478	0	%100
108	M107	Z	2.585	2.585	0	%100
109	OVP1	X	6.344	6.344	0	%100
110	OVP1	Z	3.663	3.663	0	%100
111	OVP2	X	6.344	6.344	0	%100
112	OVP2	Z	3.663	3.663	0	%100
113	M119	X	1.964	1.964	0	%100
114	M119	Z	1.134	1.134	0	%100
115	M120	X	7.856	7.856	0	%100
116	M120	Z	4.536	4.536	0	%100
117	M121	X	1.964	1.964	0	%100
118	M121	Z	1.134	1.134	0	%100
119	M122	X	1.74	1.74	0	%100
120	M122	Z	1.005	1.005	0	%100
121	M123	X	1.74	1.74	0	%100
122	M123	Z	1.005	1.005	0	%100
123	M124	X	6.962	6.962	0	%100
124	M124	Z	4.019	4.019	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	4.442	4.442	0	%100
2	LV	Z	7.694	7.694	0	%100
3	M72A	X	1.614	1.614	0	%100
4	M72A	Z	2.795	2.795	0	%100
5	M75	X	7.615	7.615	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
6	M75	Z	13.19	13.19	0 %100
7	M78	X	.000117	.000117	0 %100
8	M78	Z	.000203	.000203	0 %100
9	M79	X	4.208	4.208	0 %100
10	M79	Z	7.289	7.289	0 %100
11	M87A	X	8.038	8.038	0 %100
12	M87A	Z	13.923	13.923	0 %100
13	M92	X	0	0	0 %100
14	M92	Z	0	0	0 %100
15	MP4A	X	4.019	4.019	0 %100
16	MP4A	Z	6.962	6.962	0 %100
17	MP3A	X	4.019	4.019	0 %100
18	MP3A	Z	6.962	6.962	0 %100
19	MP2A	X	4.019	4.019	0 %100
20	MP2A	Z	6.962	6.962	0 %100
21	MP1A	X	4.019	4.019	0 %100
22	MP1A	Z	6.962	6.962	0 %100
23	M37	X	3.014	3.014	0 %100
24	M37	Z	5.221	5.221	0 %100
25	M37A	X	4.158	4.158	0 %100
26	M37A	Z	7.202	7.202	0 %100
27	M38	X	4.158	4.158	0 %100
28	M38	Z	7.202	7.202	0 %100
29	M43	X	2.554	2.554	0 %100
30	M43	Z	4.424	4.424	0 %100
31	M44	X	7.756	7.756	0 %100
32	M44	Z	13.435	13.435	0 %100
33	M46	X	2.554	2.554	0 %100
34	M46	Z	4.424	4.424	0 %100
35	M47	X	0	0	0 %100
36	M47	Z	0	0	0 %100
37	M37B	X	0	0	0 %100
38	M37B	Z	0	0	0 %100
39	M38A	X	6.455	6.455	0 %100
40	M38A	Z	11.18	11.18	0 %100
41	M39A	X	0	0	0 %100
42	M39A	Z	0	0	0 %100
43	M40A	X	4.253	4.253	0 %100
44	M40A	Z	7.366	7.366	0 %100
45	M41A	X	4.253	4.253	0 %100
46	M41A	Z	7.366	7.366	0 %100
47	M44A	X	8.038	8.038	0 %100
48	M44A	Z	13.923	13.923	0 %100
49	M46A	X	8.038	8.038	0 %100
50	M46A	Z	13.923	13.923	0 %100
51	MP4C	X	4.019	4.019	0 %100
52	MP4C	Z	6.962	6.962	0 %100
53	MP3C	X	4.019	4.019	0 %100
54	MP3C	Z	6.962	6.962	0 %100
55	MP2C	X	4.019	4.019	0 %100
56	MP2C	Z	6.962	6.962	0 %100
57	MP1C	X	4.019	4.019	0 %100
58	MP1C	Z	6.962	6.962	0 %100
59	M60	X	0	0	0 %100
60	M60	Z	0	0	0 %100
61	M61	X	0	0	0 %100
62	M61	Z	0	0	0 %100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	10.217	10.217	0	%100
66	M67	Z	17.696	17.696	0	%100
67	M68	X	7.756	7.756	0	%100
68	M68	Z	13.435	13.435	0	%100
69	M70	X	10.217	10.217	0	%100
70	M70	Z	17.696	17.696	0	%100
71	M71	X	7.756	7.756	0	%100
72	M71	Z	13.435	13.435	0	%100
73	M73	X	4.442	4.442	0	%100
74	M73	Z	7.694	7.694	0	%100
75	M74	X	1.614	1.614	0	%100
76	M74	Z	2.795	2.795	0	%100
77	M75B	X	7.615	7.615	0	%100
78	M75B	Z	13.19	13.19	0	%100
79	M76	X	4.208	4.208	0	%100
80	M76	Z	7.289	7.289	0	%100
81	M77	X	.000117	.000117	0	%100
82	M77	Z	.000202	.000202	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	8.038	8.038	0	%100
86	M82	Z	13.923	13.923	0	%100
87	MP4B	X	4.019	4.019	0	%100
88	MP4B	Z	6.962	6.962	0	%100
89	MP3B	X	4.019	4.019	0	%100
90	MP3B	Z	6.962	6.962	0	%100
91	MP2B	X	4.019	4.019	0	%100
92	MP2B	Z	6.962	6.962	0	%100
93	MP1B	X	4.019	4.019	0	%100
94	MP1B	Z	6.962	6.962	0	%100
95	M96	X	3.014	3.014	0	%100
96	M96	Z	5.221	5.221	0	%100
97	M97	X	4.158	4.158	0	%100
98	M97	Z	7.202	7.202	0	%100
99	M98	X	4.158	4.158	0	%100
100	M98	Z	7.202	7.202	0	%100
101	M103	X	2.554	2.554	0	%100
102	M103	Z	4.424	4.424	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	2.554	2.554	0	%100
106	M106	Z	4.424	4.424	0	%100
107	M107	X	7.756	7.756	0	%100
108	M107	Z	13.435	13.435	0	%100
109	OVP1	X	3.663	3.663	0	%100
110	OVP1	Z	6.344	6.344	0	%100
111	OVP2	X	3.663	3.663	0	%100
112	OVP2	Z	6.344	6.344	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	3.402	3.402	0	%100
116	M120	Z	5.892	5.892	0	%100
117	M121	X	3.402	3.402	0	%100
118	M121	Z	5.892	5.892	0	%100
119	M122	X	3.014	3.014	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
120	M122	Z	5.221	5.221	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	3.014	3.014	0	%100
124	M124	Z	5.221	5.221	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	11.846	11.846	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	20.308	20.308	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	2.776	2.776	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	2.776	2.776	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	5.359	5.359	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	5.359	5.359	0	%100
15	MP4A	X	0	0	0	%100
16	MP4A	Z	8.038	8.038	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	8.038	8.038	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	8.038	8.038	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	8.038	8.038	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	8.038	8.038	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	11.089	11.089	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	11.089	11.089	0	%100
29	M43	X	0	0	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	5.171	5.171	0	%100
33	M46	X	0	0	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	5.171	5.171	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	2.962	2.962	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	9.682	9.682	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	5.077	5.077	0	%100
43	M40A	X	0	0	0	%100
44	M40A	Z	2.865	2.865	0	%100
45	M41A	X	0	0	0	%100
46	M41A	Z	11.282	11.282	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	21.436	21.436	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
49	M46A	X	0	0	0	%100
50	M46A	Z	5.359	5.359	0	%100
51	MP4C	X	0	0	0	%100
52	MP4C	Z	8.038	8.038	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	8.038	8.038	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	8.038	8.038	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	8.038	8.038	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	2.01	2.01	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	2.772	2.772	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	2.772	2.772	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	15.325	15.325	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	20.684	20.684	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	15.325	15.325	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	5.171	5.171	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	2.962	2.962	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	9.682	9.682	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	5.077	5.077	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	11.282	11.282	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	2.865	2.865	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	5.359	5.359	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	21.436	21.436	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	8.038	8.038	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	8.038	8.038	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	8.038	8.038	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	8.038	8.038	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	2.01	2.01	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	2.772	2.772	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	2.772	2.772	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	15.325	15.325	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	5.171	5.171	0	%100
105	M106	X	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
106	M106	Z	15.325	15.325	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	20.684	20.684	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	7.326	7.326	0	%100
111	OVP2	X	0	0	0	%100
112	OVP2	Z	7.326	7.326	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	2.268	2.268	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	2.268	2.268	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	9.072	9.072	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	8.038	8.038	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	2.01	2.01	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	2.01	2.01	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-4.442	-4.442	0	%100
2	LV	Z	7.694	7.694	0	%100
3	M72A	X	-1.614	-1.614	0	%100
4	M72A	Z	2.795	2.795	0	%100
5	M75	X	-7.615	-7.615	0	%100
6	M75	Z	13.19	13.19	0	%100
7	M78	X	-4.208	-4.208	0	%100
8	M78	Z	7.289	7.289	0	%100
9	M79	X	-.000117	-.000117	0	%100
10	M79	Z	.000202	.000202	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	-8.038	-8.038	0	%100
14	M92	Z	13.923	13.923	0	%100
15	MP4A	X	-4.019	-4.019	0	%100
16	MP4A	Z	6.962	6.962	0	%100
17	MP3A	X	-4.019	-4.019	0	%100
18	MP3A	Z	6.962	6.962	0	%100
19	MP2A	X	-4.019	-4.019	0	%100
20	MP2A	Z	6.962	6.962	0	%100
21	MP1A	X	-4.019	-4.019	0	%100
22	MP1A	Z	6.962	6.962	0	%100
23	M37	X	-3.014	-3.014	0	%100
24	M37	Z	5.221	5.221	0	%100
25	M37A	X	-4.158	-4.158	0	%100
26	M37A	Z	7.202	7.202	0	%100
27	M38	X	-4.158	-4.158	0	%100
28	M38	Z	7.202	7.202	0	%100
29	M43	X	-2.554	-2.554	0	%100
30	M43	Z	4.424	4.424	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	-2.554	-2.554	0	%100
34	M46	Z	4.424	4.424	0	%100



Company  
Designer  
Job Number  
Model Name

July 20, 2023  
12:28 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
35	M47	X	-7.756	-7.756	0	%100
36	M47	Z	13.435	13.435	0	%100
37	M37B	X	-4.442	-4.442	0	%100
38	M37B	Z	7.694	7.694	0	%100
39	M38A	X	-1.614	-1.614	0	%100
40	M38A	Z	2.795	2.795	0	%100
41	M39A	X	-7.615	-7.615	0	%100
42	M39A	Z	13.19	13.19	0	%100
43	M40A	X	-.000117	-.000117	0	%100
44	M40A	Z	.000203	.000203	0	%100
45	M41A	X	-4.208	-4.208	0	%100
46	M41A	Z	7.289	7.289	0	%100
47	M44A	X	-8.038	-8.038	0	%100
48	M44A	Z	13.923	13.923	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	-4.019	-4.019	0	%100
52	MP4C	Z	6.962	6.962	0	%100
53	MP3C	X	-4.019	-4.019	0	%100
54	MP3C	Z	6.962	6.962	0	%100
55	MP2C	X	-4.019	-4.019	0	%100
56	MP2C	Z	6.962	6.962	0	%100
57	MP1C	X	-4.019	-4.019	0	%100
58	MP1C	Z	6.962	6.962	0	%100
59	M60	X	-3.014	-3.014	0	%100
60	M60	Z	5.221	5.221	0	%100
61	M61	X	-4.158	-4.158	0	%100
62	M61	Z	7.202	7.202	0	%100
63	M62	X	-4.158	-4.158	0	%100
64	M62	Z	7.202	7.202	0	%100
65	M67	X	-2.554	-2.554	0	%100
66	M67	Z	4.424	4.424	0	%100
67	M68	X	-7.756	-7.756	0	%100
68	M68	Z	13.435	13.435	0	%100
69	M70	X	-2.554	-2.554	0	%100
70	M70	Z	4.424	4.424	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-6.455	-6.455	0	%100
76	M74	Z	11.18	11.18	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	-4.253	-4.253	0	%100
80	M76	Z	7.366	7.366	0	%100
81	M77	X	-4.253	-4.253	0	%100
82	M77	Z	7.366	7.366	0	%100
83	M80B	X	-8.038	-8.038	0	%100
84	M80B	Z	13.923	13.923	0	%100
85	M82	X	-8.038	-8.038	0	%100
86	M82	Z	13.923	13.923	0	%100
87	MP4B	X	-4.019	-4.019	0	%100
88	MP4B	Z	6.962	6.962	0	%100
89	MP3B	X	-4.019	-4.019	0	%100
90	MP3B	Z	6.962	6.962	0	%100
91	MP2B	X	-4.019	-4.019	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
92	MP2B	Z	6.962	6.962	0	%100
93	MP1B	X	-4.019	-4.019	0	%100
94	MP1B	Z	6.962	6.962	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	-10.217	-10.217	0	%100
102	M103	Z	17.696	17.696	0	%100
103	M104	X	-7.756	-7.756	0	%100
104	M104	Z	13.435	13.435	0	%100
105	M106	X	-10.217	-10.217	0	%100
106	M106	Z	17.696	17.696	0	%100
107	M107	X	-7.756	-7.756	0	%100
108	M107	Z	13.435	13.435	0	%100
109	OVP1	X	-3.663	-3.663	0	%100
110	OVP1	Z	6.344	6.344	0	%100
111	OVP2	X	-3.663	-3.663	0	%100
112	OVP2	Z	6.344	6.344	0	%100
113	M119	X	-3.402	-3.402	0	%100
114	M119	Z	5.892	5.892	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	-3.402	-3.402	0	%100
118	M121	Z	5.892	5.892	0	%100
119	M122	X	-3.014	-3.014	0	%100
120	M122	Z	5.221	5.221	0	%100
121	M123	X	-3.014	-3.014	0	%100
122	M123	Z	5.221	5.221	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-2.565	-2.565	0	%100
2	LV	Z	1.481	1.481	0	%100
3	M72A	X	-8.385	-8.385	0	%100
4	M72A	Z	4.841	4.841	0	%100
5	M75	X	-4.397	-4.397	0	%100
6	M75	Z	2.538	2.538	0	%100
7	M78	X	-9.77	-9.77	0	%100
8	M78	Z	5.641	5.641	0	%100
9	M79	X	-2.481	-2.481	0	%100
10	M79	Z	1.433	1.433	0	%100
11	M87A	X	-4.641	-4.641	0	%100
12	M87A	Z	2.679	2.679	0	%100
13	M92	X	-18.564	-18.564	0	%100
14	M92	Z	10.718	10.718	0	%100
15	MP4A	X	-6.962	-6.962	0	%100
16	MP4A	Z	4.019	4.019	0	%100
17	MP3A	X	-6.962	-6.962	0	%100
18	MP3A	Z	4.019	4.019	0	%100
19	MP2A	X	-6.962	-6.962	0	%100
20	MP2A	Z	4.019	4.019	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
21	MP1A	X	-6.962	-6.962	0	%100
22	MP1A	Z	4.019	4.019	0	%100
23	M37	X	-1.74	-1.74	0	%100
24	M37	Z	1.005	1.005	0	%100
25	M37A	X	-2.401	-2.401	0	%100
26	M37A	Z	1.386	1.386	0	%100
27	M38	X	-2.401	-2.401	0	%100
28	M38	Z	1.386	1.386	0	%100
29	M43	X	-13.272	-13.272	0	%100
30	M43	Z	7.662	7.662	0	%100
31	M44	X	-4.478	-4.478	0	%100
32	M44	Z	2.585	2.585	0	%100
33	M46	X	-13.272	-13.272	0	%100
34	M46	Z	7.662	7.662	0	%100
35	M47	X	-17.913	-17.913	0	%100
36	M47	Z	10.342	10.342	0	%100
37	M37B	X	-10.259	-10.259	0	%100
38	M37B	Z	5.923	5.923	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	-17.587	-17.587	0	%100
42	M39A	Z	10.154	10.154	0	%100
43	M40A	X	-2.404	-2.404	0	%100
44	M40A	Z	1.388	1.388	0	%100
45	M41A	X	-2.404	-2.404	0	%100
46	M41A	Z	1.388	1.388	0	%100
47	M44A	X	-4.641	-4.641	0	%100
48	M44A	Z	2.679	2.679	0	%100
49	M46A	X	-4.641	-4.641	0	%100
50	M46A	Z	2.679	2.679	0	%100
51	MP4C	X	-6.962	-6.962	0	%100
52	MP4C	Z	4.019	4.019	0	%100
53	MP3C	X	-6.962	-6.962	0	%100
54	MP3C	Z	4.019	4.019	0	%100
55	MP2C	X	-6.962	-6.962	0	%100
56	MP2C	Z	4.019	4.019	0	%100
57	MP1C	X	-6.962	-6.962	0	%100
58	MP1C	Z	4.019	4.019	0	%100
59	M60	X	-6.962	-6.962	0	%100
60	M60	Z	4.019	4.019	0	%100
61	M61	X	-9.603	-9.603	0	%100
62	M61	Z	5.544	5.544	0	%100
63	M62	X	-9.603	-9.603	0	%100
64	M62	Z	5.544	5.544	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	-4.478	-4.478	0	%100
68	M68	Z	2.585	2.585	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	-4.478	-4.478	0	%100
72	M71	Z	2.585	2.585	0	%100
73	M73	X	-2.565	-2.565	0	%100
74	M73	Z	1.481	1.481	0	%100
75	M74	X	-8.385	-8.385	0	%100
76	M74	Z	4.841	4.841	0	%100
77	M75B	X	-4.397	-4.397	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
78	M75B	Z	2.538	2.538	0	%100
79	M76	X	-2.481	-2.481	0	%100
80	M76	Z	1.433	1.433	0	%100
81	M77	X	-9.77	-9.77	0	%100
82	M77	Z	5.641	5.641	0	%100
83	M80B	X	-18.564	-18.564	0	%100
84	M80B	Z	10.718	10.718	0	%100
85	M82	X	-4.641	-4.641	0	%100
86	M82	Z	2.679	2.679	0	%100
87	MP4B	X	-6.962	-6.962	0	%100
88	MP4B	Z	4.019	4.019	0	%100
89	MP3B	X	-6.962	-6.962	0	%100
90	MP3B	Z	4.019	4.019	0	%100
91	MP2B	X	-6.962	-6.962	0	%100
92	MP2B	Z	4.019	4.019	0	%100
93	MP1B	X	-6.962	-6.962	0	%100
94	MP1B	Z	4.019	4.019	0	%100
95	M96	X	-1.74	-1.74	0	%100
96	M96	Z	1.005	1.005	0	%100
97	M97	X	-2.401	-2.401	0	%100
98	M97	Z	1.386	1.386	0	%100
99	M98	X	-2.401	-2.401	0	%100
100	M98	Z	1.386	1.386	0	%100
101	M103	X	-13.272	-13.272	0	%100
102	M103	Z	7.662	7.662	0	%100
103	M104	X	-17.913	-17.913	0	%100
104	M104	Z	10.342	10.342	0	%100
105	M106	X	-13.272	-13.272	0	%100
106	M106	Z	7.662	7.662	0	%100
107	M107	X	-4.478	-4.478	0	%100
108	M107	Z	2.585	2.585	0	%100
109	OVP1	X	-6.344	-6.344	0	%100
110	OVP1	Z	3.663	3.663	0	%100
111	OVP2	X	-6.344	-6.344	0	%100
112	OVP2	Z	3.663	3.663	0	%100
113	M119	X	-7.856	-7.856	0	%100
114	M119	Z	4.536	4.536	0	%100
115	M120	X	-1.964	-1.964	0	%100
116	M120	Z	1.134	1.134	0	%100
117	M121	X	-1.964	-1.964	0	%100
118	M121	Z	1.134	1.134	0	%100
119	M122	X	-1.74	-1.74	0	%100
120	M122	Z	1.005	1.005	0	%100
121	M123	X	-6.962	-6.962	0	%100
122	M123	Z	4.019	4.019	0	%100
123	M124	X	-1.74	-1.74	0	%100
124	M124	Z	1.005	1.005	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M72A	X	-12.91	-12.91	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
7	M78	X	-8.506	-8.506	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	-8.506	-8.506	0	%100
10	M79	Z	0	0	0	%100
11	M87A	X	-16.077	-16.077	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	-16.077	-16.077	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	-8.038	-8.038	0	%100
16	MP4A	Z	0	0	0	%100
17	MP3A	X	-8.038	-8.038	0	%100
18	MP3A	Z	0	0	0	%100
19	MP2A	X	-8.038	-8.038	0	%100
20	MP2A	Z	0	0	0	%100
21	MP1A	X	-8.038	-8.038	0	%100
22	MP1A	Z	0	0	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	0	0	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M43	X	-20.433	-20.433	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	-15.513	-15.513	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	-20.433	-20.433	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	-15.513	-15.513	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	-8.885	-8.885	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	-3.227	-3.227	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	-15.231	-15.231	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	-8.417	-8.417	0	%100
44	M40A	Z	0	0	0	%100
45	M41A	X	-0.000234	-0.000234	0	%100
46	M41A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M46A	X	-16.077	-16.077	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	-8.038	-8.038	0	%100
52	MP4C	Z	0	0	0	%100
53	MP3C	X	-8.038	-8.038	0	%100
54	MP3C	Z	0	0	0	%100
55	MP2C	X	-8.038	-8.038	0	%100
56	MP2C	Z	0	0	0	%100
57	MP1C	X	-8.038	-8.038	0	%100
58	MP1C	Z	0	0	0	%100
59	M60	X	-6.029	-6.029	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	-8.316	-8.316	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	-8.316	-8.316	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

Member Label	Direction	Start Magnitude/lb/ft...	End Magnitude/lb/ft.F...	Start Locationft.%l	End Locationft.%l
64	M62	Z	0	0	%100
65	M67	X	-5.108	-5.108	%100
66	M67	Z	0	0	%100
67	M68	X	0	0	%100
68	M68	Z	0	0	%100
69	M70	X	-5.108	-5.108	%100
70	M70	Z	0	0	%100
71	M71	X	-15.513	-15.513	%100
72	M71	Z	0	0	%100
73	M73	X	-8.885	-8.885	%100
74	M73	Z	0	0	%100
75	M74	X	-3.227	-3.227	%100
76	M74	Z	0	0	%100
77	M75B	X	-15.231	-15.231	%100
78	M75B	Z	0	0	%100
79	M76	X	-0.000234	-0.000234	%100
80	M76	Z	0	0	%100
81	M77	X	-8.417	-8.417	%100
82	M77	Z	0	0	%100
83	M80B	X	-16.077	-16.077	%100
84	M80B	Z	0	0	%100
85	M82	X	0	0	%100
86	M82	Z	0	0	%100
87	MP4B	X	-8.038	-8.038	%100
88	MP4B	Z	0	0	%100
89	MP3B	X	-8.038	-8.038	%100
90	MP3B	Z	0	0	%100
91	MP2B	X	-8.038	-8.038	%100
92	MP2B	Z	0	0	%100
93	MP1B	X	-8.038	-8.038	%100
94	MP1B	Z	0	0	%100
95	M96	X	-6.029	-6.029	%100
96	M96	Z	0	0	%100
97	M97	X	-8.316	-8.316	%100
98	M97	Z	0	0	%100
99	M98	X	-8.316	-8.316	%100
100	M98	Z	0	0	%100
101	M103	X	-5.108	-5.108	%100
102	M103	Z	0	0	%100
103	M104	X	-15.513	-15.513	%100
104	M104	Z	0	0	%100
105	M106	X	-5.108	-5.108	%100
106	M106	Z	0	0	%100
107	M107	X	0	0	%100
108	M107	Z	0	0	%100
109	OVP1	X	-7.326	-7.326	%100
110	OVP1	Z	0	0	%100
111	OVP2	X	-7.326	-7.326	%100
112	OVP2	Z	0	0	%100
113	M119	X	-6.804	-6.804	%100
114	M119	Z	0	0	%100
115	M120	X	-6.804	-6.804	%100
116	M120	Z	0	0	%100
117	M121	X	0	0	%100
118	M121	Z	0	0	%100
119	M122	X	0	0	%100
120	M122	Z	0	0	%100



Company  
Designer  
Job Number  
Model Name

July 20, 2023  
12:28 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
121	M123	X	-6.029	-6.029	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-6.029	-6.029	0	%100
124	M124	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-2.565	-2.565	0	%100
2	LV	Z	-1.481	-1.481	0	%100
3	M72A	X	-8.385	-8.385	0	%100
4	M72A	Z	-4.841	-4.841	0	%100
5	M75	X	-4.397	-4.397	0	%100
6	M75	Z	-2.538	-2.538	0	%100
7	M78	X	-2.481	-2.481	0	%100
8	M78	Z	-1.433	-1.433	0	%100
9	M79	X	-9.77	-9.77	0	%100
10	M79	Z	-5.641	-5.641	0	%100
11	M87A	X	-18.564	-18.564	0	%100
12	M87A	Z	-10.718	-10.718	0	%100
13	M92	X	-4.641	-4.641	0	%100
14	M92	Z	-2.679	-2.679	0	%100
15	MP4A	X	-6.962	-6.962	0	%100
16	MP4A	Z	-4.019	-4.019	0	%100
17	MP3A	X	-6.962	-6.962	0	%100
18	MP3A	Z	-4.019	-4.019	0	%100
19	MP2A	X	-6.962	-6.962	0	%100
20	MP2A	Z	-4.019	-4.019	0	%100
21	MP1A	X	-6.962	-6.962	0	%100
22	MP1A	Z	-4.019	-4.019	0	%100
23	M37	X	-1.74	-1.74	0	%100
24	M37	Z	-1.005	-1.005	0	%100
25	M37A	X	-2.401	-2.401	0	%100
26	M37A	Z	-1.386	-1.386	0	%100
27	M38	X	-2.401	-2.401	0	%100
28	M38	Z	-1.386	-1.386	0	%100
29	M43	X	-13.272	-13.272	0	%100
30	M43	Z	-7.662	-7.662	0	%100
31	M44	X	-17.913	-17.913	0	%100
32	M44	Z	-10.342	-10.342	0	%100
33	M46	X	-13.272	-13.272	0	%100
34	M46	Z	-7.662	-7.662	0	%100
35	M47	X	-4.478	-4.478	0	%100
36	M47	Z	-2.585	-2.585	0	%100
37	M37B	X	-2.565	-2.565	0	%100
38	M37B	Z	-1.481	-1.481	0	%100
39	M38A	X	-8.385	-8.385	0	%100
40	M38A	Z	-4.841	-4.841	0	%100
41	M39A	X	-4.397	-4.397	0	%100
42	M39A	Z	-2.538	-2.538	0	%100
43	M40A	X	-9.77	-9.77	0	%100
44	M40A	Z	-5.641	-5.641	0	%100
45	M41A	X	-2.481	-2.481	0	%100
46	M41A	Z	-1.433	-1.433	0	%100
47	M44A	X	-4.641	-4.641	0	%100
48	M44A	Z	-2.679	-2.679	0	%100
49	M46A	X	-18.564	-18.564	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
50	M46A	Z	-10.718	-10.718	0 %100
51	MP4C	X	-6.962	-6.962	0 %100
52	MP4C	Z	-4.019	-4.019	0 %100
53	MP3C	X	-6.962	-6.962	0 %100
54	MP3C	Z	-4.019	-4.019	0 %100
55	MP2C	X	-6.962	-6.962	0 %100
56	MP2C	Z	-4.019	-4.019	0 %100
57	MP1C	X	-6.962	-6.962	0 %100
58	MP1C	Z	-4.019	-4.019	0 %100
59	M60	X	-1.74	-1.74	0 %100
60	M60	Z	-1.005	-1.005	0 %100
61	M61	X	-2.401	-2.401	0 %100
62	M61	Z	-1.386	-1.386	0 %100
63	M62	X	-2.401	-2.401	0 %100
64	M62	Z	-1.386	-1.386	0 %100
65	M67	X	-13.272	-13.272	0 %100
66	M67	Z	-7.662	-7.662	0 %100
67	M68	X	-4.478	-4.478	0 %100
68	M68	Z	-2.585	-2.585	0 %100
69	M70	X	-13.272	-13.272	0 %100
70	M70	Z	-7.662	-7.662	0 %100
71	M71	X	-17.913	-17.913	0 %100
72	M71	Z	-10.342	-10.342	0 %100
73	M73	X	-10.259	-10.259	0 %100
74	M73	Z	-5.923	-5.923	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100
77	M75B	X	-17.587	-17.587	0 %100
78	M75B	Z	-10.154	-10.154	0 %100
79	M76	X	-2.404	-2.404	0 %100
80	M76	Z	-1.388	-1.388	0 %100
81	M77	X	-2.404	-2.404	0 %100
82	M77	Z	-1.388	-1.388	0 %100
83	M80B	X	-4.641	-4.641	0 %100
84	M80B	Z	-2.679	-2.679	0 %100
85	M82	X	-4.641	-4.641	0 %100
86	M82	Z	-2.679	-2.679	0 %100
87	MP4B	X	-6.962	-6.962	0 %100
88	MP4B	Z	-4.019	-4.019	0 %100
89	MP3B	X	-6.962	-6.962	0 %100
90	MP3B	Z	-4.019	-4.019	0 %100
91	MP2B	X	-6.962	-6.962	0 %100
92	MP2B	Z	-4.019	-4.019	0 %100
93	MP1B	X	-6.962	-6.962	0 %100
94	MP1B	Z	-4.019	-4.019	0 %100
95	M96	X	-6.962	-6.962	0 %100
96	M96	Z	-4.019	-4.019	0 %100
97	M97	X	-9.603	-9.603	0 %100
98	M97	Z	-5.544	-5.544	0 %100
99	M98	X	-9.603	-9.603	0 %100
100	M98	Z	-5.544	-5.544	0 %100
101	M103	X	0	0	0 %100
102	M103	Z	0	0	0 %100
103	M104	X	-4.478	-4.478	0 %100
104	M104	Z	-2.585	-2.585	0 %100
105	M106	X	0	0	0 %100
106	M106	Z	0	0	0 %100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
107	M107	X	-4.478	-4.478	0	%100
108	M107	Z	-2.585	-2.585	0	%100
109	OVP1	X	-6.344	-6.344	0	%100
110	OVP1	Z	-3.663	-3.663	0	%100
111	OVP2	X	-6.344	-6.344	0	%100
112	OVP2	Z	-3.663	-3.663	0	%100
113	M119	X	-1.964	-1.964	0	%100
114	M119	Z	-1.134	-1.134	0	%100
115	M120	X	-7.856	-7.856	0	%100
116	M120	Z	-4.536	-4.536	0	%100
117	M121	X	-1.964	-1.964	0	%100
118	M121	Z	-1.134	-1.134	0	%100
119	M122	X	-1.74	-1.74	0	%100
120	M122	Z	-1.005	-1.005	0	%100
121	M123	X	-1.74	-1.74	0	%100
122	M123	Z	-1.005	-1.005	0	%100
123	M124	X	-6.962	-6.962	0	%100
124	M124	Z	-4.019	-4.019	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-4.442	-4.442	0	%100
2	LV	Z	-7.694	-7.694	0	%100
3	M72A	X	-1.614	-1.614	0	%100
4	M72A	Z	-2.795	-2.795	0	%100
5	M75	X	-7.615	-7.615	0	%100
6	M75	Z	-13.19	-13.19	0	%100
7	M78	X	-.000117	-.000117	0	%100
8	M78	Z	-.000203	-.000203	0	%100
9	M79	X	-4.208	-4.208	0	%100
10	M79	Z	-7.289	-7.289	0	%100
11	M87A	X	-8.038	-8.038	0	%100
12	M87A	Z	-13.923	-13.923	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	-4.019	-4.019	0	%100
16	MP4A	Z	-6.962	-6.962	0	%100
17	MP3A	X	-4.019	-4.019	0	%100
18	MP3A	Z	-6.962	-6.962	0	%100
19	MP2A	X	-4.019	-4.019	0	%100
20	MP2A	Z	-6.962	-6.962	0	%100
21	MP1A	X	-4.019	-4.019	0	%100
22	MP1A	Z	-6.962	-6.962	0	%100
23	M37	X	-3.014	-3.014	0	%100
24	M37	Z	-5.221	-5.221	0	%100
25	M37A	X	-4.158	-4.158	0	%100
26	M37A	Z	-7.202	-7.202	0	%100
27	M38	X	-4.158	-4.158	0	%100
28	M38	Z	-7.202	-7.202	0	%100
29	M43	X	-2.554	-2.554	0	%100
30	M43	Z	-4.424	-4.424	0	%100
31	M44	X	-7.756	-7.756	0	%100
32	M44	Z	-13.435	-13.435	0	%100
33	M46	X	-2.554	-2.554	0	%100
34	M46	Z	-4.424	-4.424	0	%100
35	M47	X	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
36	M47	Z	0	0	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	-6.455	-6.455	0	%100
40	M38A	Z	-11.18	-11.18	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	-4.253	-4.253	0	%100
44	M40A	Z	-7.366	-7.366	0	%100
45	M41A	X	-4.253	-4.253	0	%100
46	M41A	Z	-7.366	-7.366	0	%100
47	M44A	X	-8.038	-8.038	0	%100
48	M44A	Z	-13.923	-13.923	0	%100
49	M46A	X	-8.038	-8.038	0	%100
50	M46A	Z	-13.923	-13.923	0	%100
51	MP4C	X	-4.019	-4.019	0	%100
52	MP4C	Z	-6.962	-6.962	0	%100
53	MP3C	X	-4.019	-4.019	0	%100
54	MP3C	Z	-6.962	-6.962	0	%100
55	MP2C	X	-4.019	-4.019	0	%100
56	MP2C	Z	-6.962	-6.962	0	%100
57	MP1C	X	-4.019	-4.019	0	%100
58	MP1C	Z	-6.962	-6.962	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	-10.217	-10.217	0	%100
66	M67	Z	-17.696	-17.696	0	%100
67	M68	X	-7.756	-7.756	0	%100
68	M68	Z	-13.435	-13.435	0	%100
69	M70	X	-10.217	-10.217	0	%100
70	M70	Z	-17.696	-17.696	0	%100
71	M71	X	-7.756	-7.756	0	%100
72	M71	Z	-13.435	-13.435	0	%100
73	M73	X	-4.442	-4.442	0	%100
74	M73	Z	-7.694	-7.694	0	%100
75	M74	X	-1.614	-1.614	0	%100
76	M74	Z	-2.795	-2.795	0	%100
77	M75B	X	-7.615	-7.615	0	%100
78	M75B	Z	-13.19	-13.19	0	%100
79	M76	X	-4.208	-4.208	0	%100
80	M76	Z	-7.289	-7.289	0	%100
81	M77	X	-0.00117	-0.00117	0	%100
82	M77	Z	-0.00202	-0.00202	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	-8.038	-8.038	0	%100
86	M82	Z	-13.923	-13.923	0	%100
87	MP4B	X	-4.019	-4.019	0	%100
88	MP4B	Z	-6.962	-6.962	0	%100
89	MP3B	X	-4.019	-4.019	0	%100
90	MP3B	Z	-6.962	-6.962	0	%100
91	MP2B	X	-4.019	-4.019	0	%100
92	MP2B	Z	-6.962	-6.962	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
93	MP1B	X	-4.019	-4.019	0	%100
94	MP1B	Z	-6.962	-6.962	0	%100
95	M96	X	-3.014	-3.014	0	%100
96	M96	Z	-5.221	-5.221	0	%100
97	M97	X	-4.158	-4.158	0	%100
98	M97	Z	-7.202	-7.202	0	%100
99	M98	X	-4.158	-4.158	0	%100
100	M98	Z	-7.202	-7.202	0	%100
101	M103	X	-2.554	-2.554	0	%100
102	M103	Z	-4.424	-4.424	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	-2.554	-2.554	0	%100
106	M106	Z	-4.424	-4.424	0	%100
107	M107	X	-7.756	-7.756	0	%100
108	M107	Z	-13.435	-13.435	0	%100
109	OVP1	X	-3.663	-3.663	0	%100
110	OVP1	Z	-6.344	-6.344	0	%100
111	OVP2	X	-3.663	-3.663	0	%100
112	OVP2	Z	-6.344	-6.344	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-3.402	-3.402	0	%100
116	M120	Z	-5.892	-5.892	0	%100
117	M121	X	-3.402	-3.402	0	%100
118	M121	Z	-5.892	-5.892	0	%100
119	M122	X	-3.014	-3.014	0	%100
120	M122	Z	-5.221	-5.221	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-3.014	-3.014	0	%100
124	M124	Z	-5.221	-5.221	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	-4.091	-4.091	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	-4.761	-4.761	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	-.889	-.889	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	-.889	-.889	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	-1.227	-1.227	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	-1.227	-1.227	0	%100
15	MP4A	X	0	0	0	%100
16	MP4A	Z	-3.272	-3.272	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	-3.272	-3.272	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-3.272	-3.272	0	%100
21	MP1A	X	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude lb/ft...	End Magnitude lb/ft.F...	Start Location ft.%	End Location ft.%
22	MP1A	Z	-3.272	-3.272	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	-3.204	-3.204	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	-3.332	-3.332	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	-3.332	-3.332	0	%100
29	M43	X	0	0	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	-1.194	-1.194	0	%100
33	M46	X	0	0	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	-1.194	-1.194	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	-1.023	-1.023	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	-3.139	-3.139	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	-1.19	-1.19	0	%100
43	M40A	X	0	0	0	%100
44	M40A	Z	-.917	-.917	0	%100
45	M41A	X	0	0	0	%100
46	M41A	Z	-3.612	-3.612	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	-4.908	-4.908	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-1.227	-1.227	0	%100
51	MP4C	X	0	0	0	%100
52	MP4C	Z	-3.272	-3.272	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	-3.272	-3.272	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	-3.272	-3.272	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	-3.272	-3.272	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	-.801	-.801	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	-.833	-.833	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	-.833	-.833	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	-3.551	-3.551	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	-4.778	-4.778	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	-3.551	-3.551	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	-1.194	-1.194	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-1.023	-1.023	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-3.139	-3.139	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	-1.19	-1.19	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
79	M76	X	0	0	0	%100
80	M76	Z	-3.612	-3.612	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	-0.917	-0.917	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	-1.227	-1.227	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	-4.908	-4.908	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	-3.272	-3.272	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	-3.272	-3.272	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-3.272	-3.272	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-3.272	-3.272	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	-0.858	-0.858	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	-0.833	-0.833	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	-0.833	-0.833	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	-3.551	-3.551	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-1.194	-1.194	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	-3.551	-3.551	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-4.778	-4.778	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	-2.887	-2.887	0	%100
111	OVP2	X	0	0	0	%100
112	OVP2	Z	-2.887	-2.887	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	-0.697	-0.697	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	-0.697	-0.697	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	-2.789	-2.789	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	-3.43	-3.43	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	-0.858	-0.858	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	-0.801	-0.801	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	1.534	1.534	0	%100
2	LV	Z	-2.657	-2.657	0	%100
3	M72A	X	.523	.523	0	%100
4	M72A	Z	-0.906	-0.906	0	%100
5	M75	X	1.785	1.785	0	%100
6	M75	Z	-3.092	-3.092	0	%100
7	M78	X	1.347	1.347	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location(ft.%]	End Location(ft.%]
8	M78	Z	-2.334	-2.334	0	%100
9	M79	X	3.7e-5	3.7e-5	0	%100
10	M79	Z	-6.5e-5	-6.5e-5	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	1.841	1.841	0	%100
14	M92	Z	-3.188	-3.188	0	%100
15	MP4A	X	1.636	1.636	0	%100
16	MP4A	Z	-2.833	-2.833	0	%100
17	MP3A	X	1.636	1.636	0	%100
18	MP3A	Z	-2.833	-2.833	0	%100
19	MP2A	X	1.636	1.636	0	%100
20	MP2A	Z	-2.833	-2.833	0	%100
21	MP1A	X	1.636	1.636	0	%100
22	MP1A	Z	-2.833	-2.833	0	%100
23	M37	X	1.201	1.201	0	%100
24	M37	Z	-2.081	-2.081	0	%100
25	M37A	X	1.25	1.25	0	%100
26	M37A	Z	-2.164	-2.164	0	%100
27	M38	X	1.25	1.25	0	%100
28	M38	Z	-2.164	-2.164	0	%100
29	M43	X	.592	.592	0	%100
30	M43	Z	-1.025	-1.025	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	.592	.592	0	%100
34	M46	Z	-1.025	-1.025	0	%100
35	M47	X	1.792	1.792	0	%100
36	M47	Z	-3.103	-3.103	0	%100
37	M37B	X	1.534	1.534	0	%100
38	M37B	Z	-2.657	-2.657	0	%100
39	M38A	X	.523	.523	0	%100
40	M38A	Z	-.906	-.906	0	%100
41	M39A	X	1.785	1.785	0	%100
42	M39A	Z	-3.092	-3.092	0	%100
43	M40A	X	3.7e-5	3.7e-5	0	%100
44	M40A	Z	-6.5e-5	-6.5e-5	0	%100
45	M41A	X	1.347	1.347	0	%100
46	M41A	Z	-2.334	-2.334	0	%100
47	M44A	X	1.841	1.841	0	%100
48	M44A	Z	-3.188	-3.188	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	1.636	1.636	0	%100
52	MP4C	Z	-2.833	-2.833	0	%100
53	MP3C	X	1.636	1.636	0	%100
54	MP3C	Z	-2.833	-2.833	0	%100
55	MP2C	X	1.636	1.636	0	%100
56	MP2C	Z	-2.833	-2.833	0	%100
57	MP1C	X	1.636	1.636	0	%100
58	MP1C	Z	-2.833	-2.833	0	%100
59	M60	X	1.201	1.201	0	%100
60	M60	Z	-2.081	-2.081	0	%100
61	M61	X	1.25	1.25	0	%100
62	M61	Z	-2.164	-2.164	0	%100
63	M62	X	1.25	1.25	0	%100
64	M62	Z	-2.164	-2.164	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
65	M67	X	.592	.592	0	%100
66	M67	Z	-1.025	-1.025	0	%100
67	M68	X	1.792	1.792	0	%100
68	M68	Z	-3.103	-3.103	0	%100
69	M70	X	.592	.592	0	%100
70	M70	Z	-1.025	-1.025	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	2.093	2.093	0	%100
76	M74	Z	-3.625	-3.625	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	1.361	1.361	0	%100
80	M76	Z	-2.358	-2.358	0	%100
81	M77	X	1.362	1.362	0	%100
82	M77	Z	-2.358	-2.358	0	%100
83	M80B	X	1.841	1.841	0	%100
84	M80B	Z	-3.188	-3.188	0	%100
85	M82	X	1.841	1.841	0	%100
86	M82	Z	-3.188	-3.188	0	%100
87	MP4B	X	1.636	1.636	0	%100
88	MP4B	Z	-2.833	-2.833	0	%100
89	MP3B	X	1.636	1.636	0	%100
90	MP3B	Z	-2.833	-2.833	0	%100
91	MP2B	X	1.636	1.636	0	%100
92	MP2B	Z	-2.833	-2.833	0	%100
93	MP1B	X	1.636	1.636	0	%100
94	MP1B	Z	-2.833	-2.833	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	2.367	2.367	0	%100
102	M103	Z	-4.1	-4.1	0	%100
103	M104	X	1.792	1.792	0	%100
104	M104	Z	-3.103	-3.103	0	%100
105	M106	X	2.367	2.367	0	%100
106	M106	Z	-4.1	-4.1	0	%100
107	M107	X	1.792	1.792	0	%100
108	M107	Z	-3.103	-3.103	0	%100
109	OVP1	X	1.443	1.443	0	%100
110	OVP1	Z	-2.5	-2.5	0	%100
111	OVP2	X	1.443	1.443	0	%100
112	OVP2	Z	-2.5	-2.5	0	%100
113	M119	X	1.046	1.046	0	%100
114	M119	Z	-1.811	-1.811	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	1.046	1.046	0	%100
118	M121	Z	-1.811	-1.811	0	%100
119	M122	X	1.286	1.286	0	%100
120	M122	Z	-2.228	-2.228	0	%100
121	M123	X	1.286	1.286	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
122	M123	Z	-2.228	-2.228	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	LV	X	.886	.886	0	%100
2	LV	Z	-.511	-.511	0	%100
3	M72A	X	2.719	2.719	0	%100
4	M72A	Z	-1.57	-1.57	0	%100
5	M75	X	1.031	1.031	0	%100
6	M75	Z	-.595	-.595	0	%100
7	M78	X	3.128	3.128	0	%100
8	M78	Z	-1.806	-1.806	0	%100
9	M79	X	.794	.794	0	%100
10	M79	Z	-.459	-.459	0	%100
11	M87A	X	1.063	1.063	0	%100
12	M87A	Z	-.614	-.614	0	%100
13	M92	X	4.251	4.251	0	%100
14	M92	Z	-2.454	-2.454	0	%100
15	MP4A	X	2.833	2.833	0	%100
16	MP4A	Z	-1.636	-1.636	0	%100
17	MP3A	X	2.833	2.833	0	%100
18	MP3A	Z	-1.636	-1.636	0	%100
19	MP2A	X	2.833	2.833	0	%100
20	MP2A	Z	-1.636	-1.636	0	%100
21	MP1A	X	2.833	2.833	0	%100
22	MP1A	Z	-1.636	-1.636	0	%100
23	M37	X	.694	.694	0	%100
24	M37	Z	-.4	-.4	0	%100
25	M37A	X	.721	.721	0	%100
26	M37A	Z	-.417	-.417	0	%100
27	M38	X	.721	.721	0	%100
28	M38	Z	-.417	-.417	0	%100
29	M43	X	3.075	3.075	0	%100
30	M43	Z	-1.775	-1.775	0	%100
31	M44	X	1.034	1.034	0	%100
32	M44	Z	-.597	-.597	0	%100
33	M46	X	3.075	3.075	0	%100
34	M46	Z	-1.775	-1.775	0	%100
35	M47	X	4.138	4.138	0	%100
36	M47	Z	-2.389	-2.389	0	%100
37	M37B	X	3.543	3.543	0	%100
38	M37B	Z	-2.046	-2.046	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	4.123	4.123	0	%100
42	M39A	Z	-2.381	-2.381	0	%100
43	M40A	X	.77	.77	0	%100
44	M40A	Z	-.444	-.444	0	%100
45	M41A	X	.77	.77	0	%100
46	M41A	Z	-.444	-.444	0	%100
47	M44A	X	1.063	1.063	0	%100
48	M44A	Z	-.614	-.614	0	%100
49	M46A	X	1.063	1.063	0	%100
50	M46A	Z	-.614	-.614	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
51	MP4C	X	2.833	2.833	0	%100
52	MP4C	Z	-1.636	-1.636	0	%100
53	MP3C	X	2.833	2.833	0	%100
54	MP3C	Z	-1.636	-1.636	0	%100
55	MP2C	X	2.833	2.833	0	%100
56	MP2C	Z	-1.636	-1.636	0	%100
57	MP1C	X	2.833	2.833	0	%100
58	MP1C	Z	-1.636	-1.636	0	%100
59	M60	X	2.775	2.775	0	%100
60	M60	Z	-1.602	-1.602	0	%100
61	M61	X	2.886	2.886	0	%100
62	M61	Z	-1.666	-1.666	0	%100
63	M62	X	2.886	2.886	0	%100
64	M62	Z	-1.666	-1.666	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	1.034	1.034	0	%100
68	M68	Z	-597	-597	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	1.034	1.034	0	%100
72	M71	Z	-597	-597	0	%100
73	M73	X	.886	.886	0	%100
74	M73	Z	-511	-511	0	%100
75	M74	X	2.719	2.719	0	%100
76	M74	Z	-1.57	-1.57	0	%100
77	M75B	X	1.031	1.031	0	%100
78	M75B	Z	-595	-595	0	%100
79	M76	X	.794	.794	0	%100
80	M76	Z	-459	-459	0	%100
81	M77	X	3.128	3.128	0	%100
82	M77	Z	-1.806	-1.806	0	%100
83	M80B	X	4.251	4.251	0	%100
84	M80B	Z	-2.454	-2.454	0	%100
85	M82	X	1.063	1.063	0	%100
86	M82	Z	-.614	-.614	0	%100
87	MP4B	X	2.833	2.833	0	%100
88	MP4B	Z	-1.636	-1.636	0	%100
89	MP3B	X	2.833	2.833	0	%100
90	MP3B	Z	-1.636	-1.636	0	%100
91	MP2B	X	2.833	2.833	0	%100
92	MP2B	Z	-1.636	-1.636	0	%100
93	MP1B	X	2.833	2.833	0	%100
94	MP1B	Z	-1.636	-1.636	0	%100
95	M96	X	.743	.743	0	%100
96	M96	Z	-.429	-.429	0	%100
97	M97	X	.721	.721	0	%100
98	M97	Z	-.417	-.417	0	%100
99	M98	X	.721	.721	0	%100
100	M98	Z	-.417	-.417	0	%100
101	M103	X	3.075	3.075	0	%100
102	M103	Z	-1.775	-1.775	0	%100
103	M104	X	4.138	4.138	0	%100
104	M104	Z	-2.389	-2.389	0	%100
105	M106	X	3.075	3.075	0	%100
106	M106	Z	-1.775	-1.775	0	%100
107	M107	X	1.034	1.034	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
108	M107	Z	- .597	- .597	0	%100
109	OVP1	X	2.5	2.5	0	%100
110	OVP1	Z	-1.443	-1.443	0	%100
111	OVP2	X	2.5	2.5	0	%100
112	OVP2	Z	-1.443	-1.443	0	%100
113	M119	X	2.415	2.415	0	%100
114	M119	Z	-1.394	-1.394	0	%100
115	M120	X	.604	.604	0	%100
116	M120	Z	- .349	- .349	0	%100
117	M121	X	.604	.604	0	%100
118	M121	Z	- .349	- .349	0	%100
119	M122	X	.743	.743	0	%100
120	M122	Z	- .429	- .429	0	%100
121	M123	X	2.971	2.971	0	%100
122	M123	Z	-1.715	-1.715	0	%100
123	M124	X	.694	.694	0	%100
124	M124	Z	- .4	- .4	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M72A	X	4.185	4.185	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M78	X	2.723	2.723	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	2.723	2.723	0	%100
10	M79	Z	0	0	0	%100
11	M87A	X	3.681	3.681	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	3.681	3.681	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	3.272	3.272	0	%100
16	MP4A	Z	0	0	0	%100
17	MP3A	X	3.272	3.272	0	%100
18	MP3A	Z	0	0	0	%100
19	MP2A	X	3.272	3.272	0	%100
20	MP2A	Z	0	0	0	%100
21	MP1A	X	3.272	3.272	0	%100
22	MP1A	Z	0	0	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	0	0	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M43	X	4.734	4.734	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	3.583	3.583	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	4.734	4.734	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	3.583	3.583	0	%100
36	M47	Z	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
37	M37B	X	3.068	3.068	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	1.046	1.046	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	3.571	3.571	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	2.695	2.695	0	%100
44	M40A	Z	0	0	0	%100
45	M41A	X	7.5e-5	7.5e-5	0	%100
46	M41A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M46A	X	3.681	3.681	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	3.272	3.272	0	%100
52	MP4C	Z	0	0	0	%100
53	MP3C	X	3.272	3.272	0	%100
54	MP3C	Z	0	0	0	%100
55	MP2C	X	3.272	3.272	0	%100
56	MP2C	Z	0	0	0	%100
57	MP1C	X	3.272	3.272	0	%100
58	MP1C	Z	0	0	0	%100
59	M60	X	2.403	2.403	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	2.499	2.499	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	2.499	2.499	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	1.184	1.184	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	0	0	0	%100
69	M70	X	1.184	1.184	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	3.583	3.583	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	3.068	3.068	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	1.046	1.046	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	3.571	3.571	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	7.5e-5	7.5e-5	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	2.695	2.695	0	%100
82	M77	Z	0	0	0	%100
83	M80B	X	3.681	3.681	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	MP4B	X	3.272	3.272	0	%100
88	MP4B	Z	0	0	0	%100
89	MP3B	X	3.272	3.272	0	%100
90	MP3B	Z	0	0	0	%100
91	MP2B	X	3.272	3.272	0	%100
92	MP2B	Z	0	0	0	%100
93	MP1B	X	3.272	3.272	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
94	MP1B	Z	0	0	0	%100
95	M96	X	2.573	2.573	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	2.499	2.499	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	2.499	2.499	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	1.184	1.184	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	3.583	3.583	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	1.184	1.184	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	OVP1	X	2.887	2.887	0	%100
110	OVP1	Z	0	0	0	%100
111	OVP2	X	2.887	2.887	0	%100
112	OVP2	Z	0	0	0	%100
113	M119	X	2.091	2.091	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	2.091	2.091	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	0	0	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	2.573	2.573	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	2.403	2.403	0	%100
124	M124	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	LV	X	.886	.886	0	%100
2	LV	Z	.511	.511	0	%100
3	M72A	X	2.719	2.719	0	%100
4	M72A	Z	1.57	1.57	0	%100
5	M75	X	1.031	1.031	0	%100
6	M75	Z	.595	.595	0	%100
7	M78	X	.794	.794	0	%100
8	M78	Z	.459	.459	0	%100
9	M79	X	3.128	3.128	0	%100
10	M79	Z	1.806	1.806	0	%100
11	M87A	X	4.251	4.251	0	%100
12	M87A	Z	2.454	2.454	0	%100
13	M92	X	1.063	1.063	0	%100
14	M92	Z	.614	.614	0	%100
15	MP4A	X	2.833	2.833	0	%100
16	MP4A	Z	1.636	1.636	0	%100
17	MP3A	X	2.833	2.833	0	%100
18	MP3A	Z	1.636	1.636	0	%100
19	MP2A	X	2.833	2.833	0	%100
20	MP2A	Z	1.636	1.636	0	%100
21	MP1A	X	2.833	2.833	0	%100
22	MP1A	Z	1.636	1.636	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
23	M37	X	.694	.694	0	%100
24	M37	Z	.4	.4	0	%100
25	M37A	X	.721	.721	0	%100
26	M37A	Z	.417	.417	0	%100
27	M38	X	.721	.721	0	%100
28	M38	Z	.417	.417	0	%100
29	M43	X	3.075	3.075	0	%100
30	M43	Z	1.775	1.775	0	%100
31	M44	X	4.138	4.138	0	%100
32	M44	Z	2.389	2.389	0	%100
33	M46	X	3.075	3.075	0	%100
34	M46	Z	1.775	1.775	0	%100
35	M47	X	1.034	1.034	0	%100
36	M47	Z	.597	.597	0	%100
37	M37B	X	.886	.886	0	%100
38	M37B	Z	.511	.511	0	%100
39	M38A	X	2.719	2.719	0	%100
40	M38A	Z	1.57	1.57	0	%100
41	M39A	X	1.031	1.031	0	%100
42	M39A	Z	.595	.595	0	%100
43	M40A	X	3.128	3.128	0	%100
44	M40A	Z	1.806	1.806	0	%100
45	M41A	X	.794	.794	0	%100
46	M41A	Z	.459	.459	0	%100
47	M44A	X	1.063	1.063	0	%100
48	M44A	Z	.614	.614	0	%100
49	M46A	X	4.251	4.251	0	%100
50	M46A	Z	2.454	2.454	0	%100
51	MP4C	X	2.833	2.833	0	%100
52	MP4C	Z	1.636	1.636	0	%100
53	MP3C	X	2.833	2.833	0	%100
54	MP3C	Z	1.636	1.636	0	%100
55	MP2C	X	2.833	2.833	0	%100
56	MP2C	Z	1.636	1.636	0	%100
57	MP1C	X	2.833	2.833	0	%100
58	MP1C	Z	1.636	1.636	0	%100
59	M60	X	.694	.694	0	%100
60	M60	Z	.4	.4	0	%100
61	M61	X	.721	.721	0	%100
62	M61	Z	.417	.417	0	%100
63	M62	X	.721	.721	0	%100
64	M62	Z	.417	.417	0	%100
65	M67	X	3.075	3.075	0	%100
66	M67	Z	1.775	1.775	0	%100
67	M68	X	1.034	1.034	0	%100
68	M68	Z	.597	.597	0	%100
69	M70	X	3.075	3.075	0	%100
70	M70	Z	1.775	1.775	0	%100
71	M71	X	4.138	4.138	0	%100
72	M71	Z	2.389	2.389	0	%100
73	M73	X	3.543	3.543	0	%100
74	M73	Z	2.046	2.046	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	4.123	4.123	0	%100
78	M75B	Z	2.381	2.381	0	%100
79	M76	X	.77	.77	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
80	M76	Z	.444	.444	0	%100
81	M77	X	.77	.77	0	%100
82	M77	Z	.444	.444	0	%100
83	M80B	X	1.063	1.063	0	%100
84	M80B	Z	.614	.614	0	%100
85	M82	X	1.063	1.063	0	%100
86	M82	Z	.614	.614	0	%100
87	MP4B	X	2.833	2.833	0	%100
88	MP4B	Z	1.636	1.636	0	%100
89	MP3B	X	2.833	2.833	0	%100
90	MP3B	Z	1.636	1.636	0	%100
91	MP2B	X	2.833	2.833	0	%100
92	MP2B	Z	1.636	1.636	0	%100
93	MP1B	X	2.833	2.833	0	%100
94	MP1B	Z	1.636	1.636	0	%100
95	M96	X	2.971	2.971	0	%100
96	M96	Z	1.715	1.715	0	%100
97	M97	X	2.886	2.886	0	%100
98	M97	Z	1.666	1.666	0	%100
99	M98	X	2.886	2.886	0	%100
100	M98	Z	1.666	1.666	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	1.034	1.034	0	%100
104	M104	Z	.597	.597	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	1.034	1.034	0	%100
108	M107	Z	.597	.597	0	%100
109	OVP1	X	2.5	2.5	0	%100
110	OVP1	Z	1.443	1.443	0	%100
111	OVP2	X	2.5	2.5	0	%100
112	OVP2	Z	1.443	1.443	0	%100
113	M119	X	.604	.604	0	%100
114	M119	Z	.349	.349	0	%100
115	M120	X	2.415	2.415	0	%100
116	M120	Z	1.394	1.394	0	%100
117	M121	X	.604	.604	0	%100
118	M121	Z	.349	.349	0	%100
119	M122	X	.743	.743	0	%100
120	M122	Z	.429	.429	0	%100
121	M123	X	.743	.743	0	%100
122	M123	Z	.429	.429	0	%100
123	M124	X	2.775	2.775	0	%100
124	M124	Z	1.602	1.602	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	1.534	1.534	0	%100
2	LV	Z	2.657	2.657	0	%100
3	M72A	X	.523	.523	0	%100
4	M72A	Z	.906	.906	0	%100
5	M75	X	1.785	1.785	0	%100
6	M75	Z	3.092	3.092	0	%100
7	M78	X	3.7e-5	3.7e-5	0	%100
8	M78	Z	6.5e-5	6.5e-5	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
9	M79	X	1.347	1.347	0	%100
10	M79	Z	2.334	2.334	0	%100
11	M87A	X	1.841	1.841	0	%100
12	M87A	Z	3.188	3.188	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	1.636	1.636	0	%100
16	MP4A	Z	2.833	2.833	0	%100
17	MP3A	X	1.636	1.636	0	%100
18	MP3A	Z	2.833	2.833	0	%100
19	MP2A	X	1.636	1.636	0	%100
20	MP2A	Z	2.833	2.833	0	%100
21	MP1A	X	1.636	1.636	0	%100
22	MP1A	Z	2.833	2.833	0	%100
23	M37	X	1.201	1.201	0	%100
24	M37	Z	2.081	2.081	0	%100
25	M37A	X	1.25	1.25	0	%100
26	M37A	Z	2.164	2.164	0	%100
27	M38	X	1.25	1.25	0	%100
28	M38	Z	2.164	2.164	0	%100
29	M43	X	.592	.592	0	%100
30	M43	Z	1.025	1.025	0	%100
31	M44	X	1.792	1.792	0	%100
32	M44	Z	3.103	3.103	0	%100
33	M46	X	.592	.592	0	%100
34	M46	Z	1.025	1.025	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	2.093	2.093	0	%100
40	M38A	Z	3.625	3.625	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	1.361	1.361	0	%100
44	M40A	Z	2.358	2.358	0	%100
45	M41A	X	1.362	1.362	0	%100
46	M41A	Z	2.358	2.358	0	%100
47	M44A	X	1.841	1.841	0	%100
48	M44A	Z	3.188	3.188	0	%100
49	M46A	X	1.841	1.841	0	%100
50	M46A	Z	3.188	3.188	0	%100
51	MP4C	X	1.636	1.636	0	%100
52	MP4C	Z	2.833	2.833	0	%100
53	MP3C	X	1.636	1.636	0	%100
54	MP3C	Z	2.833	2.833	0	%100
55	MP2C	X	1.636	1.636	0	%100
56	MP2C	Z	2.833	2.833	0	%100
57	MP1C	X	1.636	1.636	0	%100
58	MP1C	Z	2.833	2.833	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	2.367	2.367	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
66	M67	Z	4.1	4.1	0	%100
67	M68	X	1.792	1.792	0	%100
68	M68	Z	3.103	3.103	0	%100
69	M70	X	2.367	2.367	0	%100
70	M70	Z	4.1	4.1	0	%100
71	M71	X	1.792	1.792	0	%100
72	M71	Z	3.103	3.103	0	%100
73	M73	X	1.534	1.534	0	%100
74	M73	Z	2.657	2.657	0	%100
75	M74	X	.523	.523	0	%100
76	M74	Z	.906	.906	0	%100
77	M75B	X	1.785	1.785	0	%100
78	M75B	Z	3.092	3.092	0	%100
79	M76	X	1.347	1.347	0	%100
80	M76	Z	2.334	2.334	0	%100
81	M77	X	3.7e-5	3.7e-5	0	%100
82	M77	Z	6.5e-5	6.5e-5	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	1.841	1.841	0	%100
86	M82	Z	3.188	3.188	0	%100
87	MP4B	X	1.636	1.636	0	%100
88	MP4B	Z	2.833	2.833	0	%100
89	MP3B	X	1.636	1.636	0	%100
90	MP3B	Z	2.833	2.833	0	%100
91	MP2B	X	1.636	1.636	0	%100
92	MP2B	Z	2.833	2.833	0	%100
93	MP1B	X	1.636	1.636	0	%100
94	MP1B	Z	2.833	2.833	0	%100
95	M96	X	1.286	1.286	0	%100
96	M96	Z	2.228	2.228	0	%100
97	M97	X	1.25	1.25	0	%100
98	M97	Z	2.164	2.164	0	%100
99	M98	X	1.25	1.25	0	%100
100	M98	Z	2.164	2.164	0	%100
101	M103	X	.592	.592	0	%100
102	M103	Z	1.025	1.025	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	.592	.592	0	%100
106	M106	Z	1.025	1.025	0	%100
107	M107	X	1.792	1.792	0	%100
108	M107	Z	3.103	3.103	0	%100
109	OVP1	X	1.443	1.443	0	%100
110	OVP1	Z	2.5	2.5	0	%100
111	OVP2	X	1.443	1.443	0	%100
112	OVP2	Z	2.5	2.5	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	1.046	1.046	0	%100
116	M120	Z	1.811	1.811	0	%100
117	M121	X	1.046	1.046	0	%100
118	M121	Z	1.811	1.811	0	%100
119	M122	X	1.286	1.286	0	%100
120	M122	Z	2.228	2.228	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
123	M124	X	1.201	1.201	0	%100
124	M124	Z	2.081	2.081	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	4.091	4.091	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	4.761	4.761	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	.889	.889	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	.889	.889	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	1.227	1.227	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	1.227	1.227	0	%100
15	MP4A	X	0	0	0	%100
16	MP4A	Z	3.272	3.272	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	3.272	3.272	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	3.272	3.272	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	3.272	3.272	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	3.204	3.204	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	3.332	3.332	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	3.332	3.332	0	%100
29	M43	X	0	0	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	1.194	1.194	0	%100
33	M46	X	0	0	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	1.194	1.194	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	1.023	1.023	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	3.139	3.139	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	1.19	1.19	0	%100
43	M40A	X	0	0	0	%100
44	M40A	Z	.917	.917	0	%100
45	M41A	X	0	0	0	%100
46	M41A	Z	3.612	3.612	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	4.908	4.908	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	1.227	1.227	0	%100
51	MP4C	X	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
52	MP4C	Z	3.272	3.272	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	3.272	3.272	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	3.272	3.272	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	3.272	3.272	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	.801	.801	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	.833	.833	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	.833	.833	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	3.551	3.551	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	4.778	4.778	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	3.551	3.551	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	1.194	1.194	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	1.023	1.023	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	3.139	3.139	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	1.19	1.19	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	3.612	3.612	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	.917	.917	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	1.227	1.227	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	4.908	4.908	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	3.272	3.272	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	3.272	3.272	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	3.272	3.272	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	3.272	3.272	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	.858	.858	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	.833	.833	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	.833	.833	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	3.551	3.551	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	1.194	1.194	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	3.551	3.551	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	4.778	4.778	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
109	OVP1	X	0	0	0	%100
110	OVP1	Z	2.887	2.887	0	%100
111	OVP2	X	0	0	0	%100
112	OVP2	Z	2.887	2.887	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	.697	.697	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	.697	.697	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	2.789	2.789	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	3.43	3.43	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	.858	.858	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	.801	.801	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-1.534	-1.534	0	%100
2	LV	Z	2.657	2.657	0	%100
3	M72A	X	-.523	-.523	0	%100
4	M72A	Z	.906	.906	0	%100
5	M75	X	-1.785	-1.785	0	%100
6	M75	Z	3.092	3.092	0	%100
7	M78	X	-1.347	-1.347	0	%100
8	M78	Z	2.334	2.334	0	%100
9	M79	X	-3.7e-5	-3.7e-5	0	%100
10	M79	Z	6.5e-5	6.5e-5	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	-1.841	-1.841	0	%100
14	M92	Z	3.188	3.188	0	%100
15	MP4A	X	-1.636	-1.636	0	%100
16	MP4A	Z	2.833	2.833	0	%100
17	MP3A	X	-1.636	-1.636	0	%100
18	MP3A	Z	2.833	2.833	0	%100
19	MP2A	X	-1.636	-1.636	0	%100
20	MP2A	Z	2.833	2.833	0	%100
21	MP1A	X	-1.636	-1.636	0	%100
22	MP1A	Z	2.833	2.833	0	%100
23	M37	X	-1.201	-1.201	0	%100
24	M37	Z	2.081	2.081	0	%100
25	M37A	X	-1.25	-1.25	0	%100
26	M37A	Z	2.164	2.164	0	%100
27	M38	X	-1.25	-1.25	0	%100
28	M38	Z	2.164	2.164	0	%100
29	M43	X	-.592	-.592	0	%100
30	M43	Z	1.025	1.025	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	-.592	-.592	0	%100
34	M46	Z	1.025	1.025	0	%100
35	M47	X	-1.792	-1.792	0	%100
36	M47	Z	3.103	3.103	0	%100
37	M37B	X	-1.534	-1.534	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
38	M37B	Z	2.657	2.657	0	%100
39	M38A	X	-523	-523	0	%100
40	M38A	Z	906	906	0	%100
41	M39A	X	-1.785	-1.785	0	%100
42	M39A	Z	3.092	3.092	0	%100
43	M40A	X	-3.7e-5	-3.7e-5	0	%100
44	M40A	Z	6.5e-5	6.5e-5	0	%100
45	M41A	X	-1.347	-1.347	0	%100
46	M41A	Z	2.334	2.334	0	%100
47	M44A	X	-1.841	-1.841	0	%100
48	M44A	Z	3.188	3.188	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	-1.636	-1.636	0	%100
52	MP4C	Z	2.833	2.833	0	%100
53	MP3C	X	-1.636	-1.636	0	%100
54	MP3C	Z	2.833	2.833	0	%100
55	MP2C	X	-1.636	-1.636	0	%100
56	MP2C	Z	2.833	2.833	0	%100
57	MP1C	X	-1.636	-1.636	0	%100
58	MP1C	Z	2.833	2.833	0	%100
59	M60	X	-1.201	-1.201	0	%100
60	M60	Z	2.081	2.081	0	%100
61	M61	X	-1.25	-1.25	0	%100
62	M61	Z	2.164	2.164	0	%100
63	M62	X	-1.25	-1.25	0	%100
64	M62	Z	2.164	2.164	0	%100
65	M67	X	-592	-592	0	%100
66	M67	Z	1.025	1.025	0	%100
67	M68	X	-1.792	-1.792	0	%100
68	M68	Z	3.103	3.103	0	%100
69	M70	X	-592	-592	0	%100
70	M70	Z	1.025	1.025	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-2.093	-2.093	0	%100
76	M74	Z	3.625	3.625	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	-1.361	-1.361	0	%100
80	M76	Z	2.358	2.358	0	%100
81	M77	X	-1.362	-1.362	0	%100
82	M77	Z	2.358	2.358	0	%100
83	M80B	X	-1.841	-1.841	0	%100
84	M80B	Z	3.188	3.188	0	%100
85	M82	X	-1.841	-1.841	0	%100
86	M82	Z	3.188	3.188	0	%100
87	MP4B	X	-1.636	-1.636	0	%100
88	MP4B	Z	2.833	2.833	0	%100
89	MP3B	X	-1.636	-1.636	0	%100
90	MP3B	Z	2.833	2.833	0	%100
91	MP2B	X	-1.636	-1.636	0	%100
92	MP2B	Z	2.833	2.833	0	%100
93	MP1B	X	-1.636	-1.636	0	%100
94	MP1B	Z	2.833	2.833	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
95	M96	X	0	0	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	-2.367	-2.367	0	%100
102	M103	Z	4.1	4.1	0	%100
103	M104	X	-1.792	-1.792	0	%100
104	M104	Z	3.103	3.103	0	%100
105	M106	X	-2.367	-2.367	0	%100
106	M106	Z	4.1	4.1	0	%100
107	M107	X	-1.792	-1.792	0	%100
108	M107	Z	3.103	3.103	0	%100
109	OVP1	X	-1.443	-1.443	0	%100
110	OVP1	Z	2.5	2.5	0	%100
111	OVP2	X	-1.443	-1.443	0	%100
112	OVP2	Z	2.5	2.5	0	%100
113	M119	X	-1.046	-1.046	0	%100
114	M119	Z	1.811	1.811	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	-1.046	-1.046	0	%100
118	M121	Z	1.811	1.811	0	%100
119	M122	X	-1.286	-1.286	0	%100
120	M122	Z	2.228	2.228	0	%100
121	M123	X	-1.286	-1.286	0	%100
122	M123	Z	2.228	2.228	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-0.886	-0.886	0	%100
2	LV	Z	0.511	0.511	0	%100
3	M72A	X	-2.719	-2.719	0	%100
4	M72A	Z	1.57	1.57	0	%100
5	M75	X	-1.031	-1.031	0	%100
6	M75	Z	0.595	0.595	0	%100
7	M78	X	-3.128	-3.128	0	%100
8	M78	Z	1.806	1.806	0	%100
9	M79	X	-0.794	-0.794	0	%100
10	M79	Z	0.459	0.459	0	%100
11	M87A	X	-1.063	-1.063	0	%100
12	M87A	Z	0.614	0.614	0	%100
13	M92	X	-4.251	-4.251	0	%100
14	M92	Z	2.454	2.454	0	%100
15	MP4A	X	-2.833	-2.833	0	%100
16	MP4A	Z	1.636	1.636	0	%100
17	MP3A	X	-2.833	-2.833	0	%100
18	MP3A	Z	1.636	1.636	0	%100
19	MP2A	X	-2.833	-2.833	0	%100
20	MP2A	Z	1.636	1.636	0	%100
21	MP1A	X	-2.833	-2.833	0	%100
22	MP1A	Z	1.636	1.636	0	%100
23	M37	X	-0.694	-0.694	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
24	M37	Z	.4	.4	0	%100
25	M37A	X	-.721	-.721	0	%100
26	M37A	Z	.417	.417	0	%100
27	M38	X	-.721	-.721	0	%100
28	M38	Z	.417	.417	0	%100
29	M43	X	-3.075	-3.075	0	%100
30	M43	Z	1.775	1.775	0	%100
31	M44	X	-1.034	-1.034	0	%100
32	M44	Z	.597	.597	0	%100
33	M46	X	-3.075	-3.075	0	%100
34	M46	Z	1.775	1.775	0	%100
35	M47	X	-4.138	-4.138	0	%100
36	M47	Z	2.389	2.389	0	%100
37	M37B	X	-3.543	-3.543	0	%100
38	M37B	Z	2.046	2.046	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	-4.123	-4.123	0	%100
42	M39A	Z	2.381	2.381	0	%100
43	M40A	X	-.77	-.77	0	%100
44	M40A	Z	.444	.444	0	%100
45	M41A	X	-.77	-.77	0	%100
46	M41A	Z	.444	.444	0	%100
47	M44A	X	-1.063	-1.063	0	%100
48	M44A	Z	.614	.614	0	%100
49	M46A	X	-1.063	-1.063	0	%100
50	M46A	Z	.614	.614	0	%100
51	MP4C	X	-2.833	-2.833	0	%100
52	MP4C	Z	1.636	1.636	0	%100
53	MP3C	X	-2.833	-2.833	0	%100
54	MP3C	Z	1.636	1.636	0	%100
55	MP2C	X	-2.833	-2.833	0	%100
56	MP2C	Z	1.636	1.636	0	%100
57	MP1C	X	-2.833	-2.833	0	%100
58	MP1C	Z	1.636	1.636	0	%100
59	M60	X	-2.775	-2.775	0	%100
60	M60	Z	1.602	1.602	0	%100
61	M61	X	-2.886	-2.886	0	%100
62	M61	Z	1.666	1.666	0	%100
63	M62	X	-2.886	-2.886	0	%100
64	M62	Z	1.666	1.666	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	-1.034	-1.034	0	%100
68	M68	Z	.597	.597	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	-1.034	-1.034	0	%100
72	M71	Z	.597	.597	0	%100
73	M73	X	-.886	-.886	0	%100
74	M73	Z	.511	.511	0	%100
75	M74	X	-2.719	-2.719	0	%100
76	M74	Z	1.57	1.57	0	%100
77	M75B	X	-1.031	-1.031	0	%100
78	M75B	Z	.595	.595	0	%100
79	M76	X	-.794	-.794	0	%100
80	M76	Z	.459	.459	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
81	M77	X	-3.128	-3.128	0	%100
82	M77	Z	1.806	1.806	0	%100
83	M80B	X	-4.251	-4.251	0	%100
84	M80B	Z	2.454	2.454	0	%100
85	M82	X	-1.063	-1.063	0	%100
86	M82	Z	.614	.614	0	%100
87	MP4B	X	-2.833	-2.833	0	%100
88	MP4B	Z	1.636	1.636	0	%100
89	MP3B	X	-2.833	-2.833	0	%100
90	MP3B	Z	1.636	1.636	0	%100
91	MP2B	X	-2.833	-2.833	0	%100
92	MP2B	Z	1.636	1.636	0	%100
93	MP1B	X	-2.833	-2.833	0	%100
94	MP1B	Z	1.636	1.636	0	%100
95	M96	X	-.743	-.743	0	%100
96	M96	Z	.429	.429	0	%100
97	M97	X	-.721	-.721	0	%100
98	M97	Z	.417	.417	0	%100
99	M98	X	-.721	-.721	0	%100
100	M98	Z	.417	.417	0	%100
101	M103	X	-3.075	-3.075	0	%100
102	M103	Z	1.775	1.775	0	%100
103	M104	X	-4.138	-4.138	0	%100
104	M104	Z	2.389	2.389	0	%100
105	M106	X	-3.075	-3.075	0	%100
106	M106	Z	1.775	1.775	0	%100
107	M107	X	-1.034	-1.034	0	%100
108	M107	Z	.597	.597	0	%100
109	OVP1	X	-2.5	-2.5	0	%100
110	OVP1	Z	1.443	1.443	0	%100
111	OVP2	X	-2.5	-2.5	0	%100
112	OVP2	Z	1.443	1.443	0	%100
113	M119	X	-2.415	-2.415	0	%100
114	M119	Z	1.394	1.394	0	%100
115	M120	X	-.604	-.604	0	%100
116	M120	Z	.349	.349	0	%100
117	M121	X	-.604	-.604	0	%100
118	M121	Z	.349	.349	0	%100
119	M122	X	-.743	-.743	0	%100
120	M122	Z	.429	.429	0	%100
121	M123	X	-2.971	-2.971	0	%100
122	M123	Z	1.715	1.715	0	%100
123	M124	X	-.694	-.694	0	%100
124	M124	Z	.4	.4	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M72A	X	-4.185	-4.185	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M78	X	-2.723	-2.723	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	-2.723	-2.723	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude/lb/ft...	End Magnitude/lb/ft.F...	Start Locationft.%]	End Locationft.%]
10	M79	Z	0	0	0	%100
11	M87A	X	-3.681	-3.681	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	-3.681	-3.681	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	-3.272	-3.272	0	%100
16	MP4A	Z	0	0	0	%100
17	MP3A	X	-3.272	-3.272	0	%100
18	MP3A	Z	0	0	0	%100
19	MP2A	X	-3.272	-3.272	0	%100
20	MP2A	Z	0	0	0	%100
21	MP1A	X	-3.272	-3.272	0	%100
22	MP1A	Z	0	0	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	0	0	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M43	X	-4.734	-4.734	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	-3.583	-3.583	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	-4.734	-4.734	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	-3.583	-3.583	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	-3.068	-3.068	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	-1.046	-1.046	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	-3.571	-3.571	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	-2.695	-2.695	0	%100
44	M40A	Z	0	0	0	%100
45	M41A	X	-7.5e-5	-7.5e-5	0	%100
46	M41A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M46A	X	-3.681	-3.681	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	-3.272	-3.272	0	%100
52	MP4C	Z	0	0	0	%100
53	MP3C	X	-3.272	-3.272	0	%100
54	MP3C	Z	0	0	0	%100
55	MP2C	X	-3.272	-3.272	0	%100
56	MP2C	Z	0	0	0	%100
57	MP1C	X	-3.272	-3.272	0	%100
58	MP1C	Z	0	0	0	%100
59	M60	X	-2.403	-2.403	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	-2.499	-2.499	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	-2.499	-2.499	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	-1.184	-1.184	0	%100
66	M67	Z	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
67	M68	X	0	0	0	%100
68	M68	Z	0	0	0	%100
69	M70	X	-1.184	-1.184	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	-3.583	-3.583	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	-3.068	-3.068	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-1.046	-1.046	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	-3.571	-3.571	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	-7.5e-5	-7.5e-5	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	-2.695	-2.695	0	%100
82	M77	Z	0	0	0	%100
83	M80B	X	-3.681	-3.681	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	MP4B	X	-3.272	-3.272	0	%100
88	MP4B	Z	0	0	0	%100
89	MP3B	X	-3.272	-3.272	0	%100
90	MP3B	Z	0	0	0	%100
91	MP2B	X	-3.272	-3.272	0	%100
92	MP2B	Z	0	0	0	%100
93	MP1B	X	-3.272	-3.272	0	%100
94	MP1B	Z	0	0	0	%100
95	M96	X	-2.573	-2.573	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	-2.499	-2.499	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	-2.499	-2.499	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	-1.184	-1.184	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	-3.583	-3.583	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	-1.184	-1.184	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	OVP1	X	-2.887	-2.887	0	%100
110	OVP1	Z	0	0	0	%100
111	OVP2	X	-2.887	-2.887	0	%100
112	OVP2	Z	0	0	0	%100
113	M119	X	-2.091	-2.091	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-2.091	-2.091	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	0	0	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	-2.573	-2.573	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-2.403	-2.403	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
124	M124	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
1	LV	X	-886	-886	0	%100
2	LV	Z	-511	-511	0	%100
3	M72A	X	-2.719	-2.719	0	%100
4	M72A	Z	-1.57	-1.57	0	%100
5	M75	X	-1.031	-1.031	0	%100
6	M75	Z	-595	-595	0	%100
7	M78	X	-794	-794	0	%100
8	M78	Z	-459	-459	0	%100
9	M79	X	-3.128	-3.128	0	%100
10	M79	Z	-1.806	-1.806	0	%100
11	M87A	X	-4.251	-4.251	0	%100
12	M87A	Z	-2.454	-2.454	0	%100
13	M92	X	-1.063	-1.063	0	%100
14	M92	Z	-614	-614	0	%100
15	MP4A	X	-2.833	-2.833	0	%100
16	MP4A	Z	-1.636	-1.636	0	%100
17	MP3A	X	-2.833	-2.833	0	%100
18	MP3A	Z	-1.636	-1.636	0	%100
19	MP2A	X	-2.833	-2.833	0	%100
20	MP2A	Z	-1.636	-1.636	0	%100
21	MP1A	X	-2.833	-2.833	0	%100
22	MP1A	Z	-1.636	-1.636	0	%100
23	M37	X	-694	-694	0	%100
24	M37	Z	-4	-4	0	%100
25	M37A	X	-721	-721	0	%100
26	M37A	Z	-417	-417	0	%100
27	M38	X	-721	-721	0	%100
28	M38	Z	-417	-417	0	%100
29	M43	X	-3.075	-3.075	0	%100
30	M43	Z	-1.775	-1.775	0	%100
31	M44	X	-4.138	-4.138	0	%100
32	M44	Z	-2.389	-2.389	0	%100
33	M46	X	-3.075	-3.075	0	%100
34	M46	Z	-1.775	-1.775	0	%100
35	M47	X	-1.034	-1.034	0	%100
36	M47	Z	-597	-597	0	%100
37	M37B	X	-886	-886	0	%100
38	M37B	Z	-511	-511	0	%100
39	M38A	X	-2.719	-2.719	0	%100
40	M38A	Z	-1.57	-1.57	0	%100
41	M39A	X	-1.031	-1.031	0	%100
42	M39A	Z	-595	-595	0	%100
43	M40A	X	-3.128	-3.128	0	%100
44	M40A	Z	-1.806	-1.806	0	%100
45	M41A	X	-794	-794	0	%100
46	M41A	Z	-459	-459	0	%100
47	M44A	X	-1.063	-1.063	0	%100
48	M44A	Z	-614	-614	0	%100
49	M46A	X	-4.251	-4.251	0	%100
50	M46A	Z	-2.454	-2.454	0	%100
51	MP4C	X	-2.833	-2.833	0	%100
52	MP4C	Z	-1.636	-1.636	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
53	MP3C	X	-2.833	-2.833	0	%100
54	MP3C	Z	-1.636	-1.636	0	%100
55	MP2C	X	-2.833	-2.833	0	%100
56	MP2C	Z	-1.636	-1.636	0	%100
57	MP1C	X	-2.833	-2.833	0	%100
58	MP1C	Z	-1.636	-1.636	0	%100
59	M60	X	-.694	-.694	0	%100
60	M60	Z	-.4	-.4	0	%100
61	M61	X	-.721	-.721	0	%100
62	M61	Z	-.417	-.417	0	%100
63	M62	X	-.721	-.721	0	%100
64	M62	Z	-.417	-.417	0	%100
65	M67	X	-3.075	-3.075	0	%100
66	M67	Z	-1.775	-1.775	0	%100
67	M68	X	-1.034	-1.034	0	%100
68	M68	Z	-.597	-.597	0	%100
69	M70	X	-3.075	-3.075	0	%100
70	M70	Z	-1.775	-1.775	0	%100
71	M71	X	-4.138	-4.138	0	%100
72	M71	Z	-2.389	-2.389	0	%100
73	M73	X	-3.543	-3.543	0	%100
74	M73	Z	-2.046	-2.046	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	-4.123	-4.123	0	%100
78	M75B	Z	-2.381	-2.381	0	%100
79	M76	X	-.77	-.77	0	%100
80	M76	Z	-.444	-.444	0	%100
81	M77	X	-.77	-.77	0	%100
82	M77	Z	-.444	-.444	0	%100
83	M80B	X	-1.063	-1.063	0	%100
84	M80B	Z	-.614	-.614	0	%100
85	M82	X	-1.063	-1.063	0	%100
86	M82	Z	-.614	-.614	0	%100
87	MP4B	X	-2.833	-2.833	0	%100
88	MP4B	Z	-1.636	-1.636	0	%100
89	MP3B	X	-2.833	-2.833	0	%100
90	MP3B	Z	-1.636	-1.636	0	%100
91	MP2B	X	-2.833	-2.833	0	%100
92	MP2B	Z	-1.636	-1.636	0	%100
93	MP1B	X	-2.833	-2.833	0	%100
94	MP1B	Z	-1.636	-1.636	0	%100
95	M96	X	-2.971	-2.971	0	%100
96	M96	Z	-1.715	-1.715	0	%100
97	M97	X	-2.886	-2.886	0	%100
98	M97	Z	-1.666	-1.666	0	%100
99	M98	X	-2.886	-2.886	0	%100
100	M98	Z	-1.666	-1.666	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	-1.034	-1.034	0	%100
104	M104	Z	-.597	-.597	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	-1.034	-1.034	0	%100
108	M107	Z	-.597	-.597	0	%100
109	OVP1	X	-2.5	-2.5	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
110	OVP1	Z	-1.443	-1.443	0	%100
111	OVP2	X	-2.5	-2.5	0	%100
112	OVP2	Z	-1.443	-1.443	0	%100
113	M119	X	-604	-604	0	%100
114	M119	Z	-349	-349	0	%100
115	M120	X	-2.415	-2.415	0	%100
116	M120	Z	-1.394	-1.394	0	%100
117	M121	X	-604	-604	0	%100
118	M121	Z	-349	-349	0	%100
119	M122	X	-743	-743	0	%100
120	M122	Z	-429	-429	0	%100
121	M123	X	-743	-743	0	%100
122	M123	Z	-429	-429	0	%100
123	M124	X	-2.775	-2.775	0	%100
124	M124	Z	-1.602	-1.602	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-1.534	-1.534	0	%100
2	LV	Z	-2.657	-2.657	0	%100
3	M72A	X	-523	-523	0	%100
4	M72A	Z	-906	-906	0	%100
5	M75	X	-1.785	-1.785	0	%100
6	M75	Z	-3.092	-3.092	0	%100
7	M78	X	-3.7e-5	-3.7e-5	0	%100
8	M78	Z	-6.5e-5	-6.5e-5	0	%100
9	M79	X	-1.347	-1.347	0	%100
10	M79	Z	-2.334	-2.334	0	%100
11	M87A	X	-1.841	-1.841	0	%100
12	M87A	Z	-3.188	-3.188	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	-1.636	-1.636	0	%100
16	MP4A	Z	-2.833	-2.833	0	%100
17	MP3A	X	-1.636	-1.636	0	%100
18	MP3A	Z	-2.833	-2.833	0	%100
19	MP2A	X	-1.636	-1.636	0	%100
20	MP2A	Z	-2.833	-2.833	0	%100
21	MP1A	X	-1.636	-1.636	0	%100
22	MP1A	Z	-2.833	-2.833	0	%100
23	M37	X	-1.201	-1.201	0	%100
24	M37	Z	-2.081	-2.081	0	%100
25	M37A	X	-1.25	-1.25	0	%100
26	M37A	Z	-2.164	-2.164	0	%100
27	M38	X	-1.25	-1.25	0	%100
28	M38	Z	-2.164	-2.164	0	%100
29	M43	X	-592	-592	0	%100
30	M43	Z	-1.025	-1.025	0	%100
31	M44	X	-1.792	-1.792	0	%100
32	M44	Z	-3.103	-3.103	0	%100
33	M46	X	-592	-592	0	%100
34	M46	Z	-1.025	-1.025	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
39	M38A	X	-2.093	-2.093	0	%100
40	M38A	Z	-3.625	-3.625	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	-1.361	-1.361	0	%100
44	M40A	Z	-2.358	-2.358	0	%100
45	M41A	X	-1.362	-1.362	0	%100
46	M41A	Z	-2.358	-2.358	0	%100
47	M44A	X	-1.841	-1.841	0	%100
48	M44A	Z	-3.188	-3.188	0	%100
49	M46A	X	-1.841	-1.841	0	%100
50	M46A	Z	-3.188	-3.188	0	%100
51	MP4C	X	-1.636	-1.636	0	%100
52	MP4C	Z	-2.833	-2.833	0	%100
53	MP3C	X	-1.636	-1.636	0	%100
54	MP3C	Z	-2.833	-2.833	0	%100
55	MP2C	X	-1.636	-1.636	0	%100
56	MP2C	Z	-2.833	-2.833	0	%100
57	MP1C	X	-1.636	-1.636	0	%100
58	MP1C	Z	-2.833	-2.833	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	-2.367	-2.367	0	%100
66	M67	Z	-4.1	-4.1	0	%100
67	M68	X	-1.792	-1.792	0	%100
68	M68	Z	-3.103	-3.103	0	%100
69	M70	X	-2.367	-2.367	0	%100
70	M70	Z	-4.1	-4.1	0	%100
71	M71	X	-1.792	-1.792	0	%100
72	M71	Z	-3.103	-3.103	0	%100
73	M73	X	-1.534	-1.534	0	%100
74	M73	Z	-2.657	-2.657	0	%100
75	M74	X	-523	-523	0	%100
76	M74	Z	-906	-906	0	%100
77	M75B	X	-1.785	-1.785	0	%100
78	M75B	Z	-3.092	-3.092	0	%100
79	M76	X	-1.347	-1.347	0	%100
80	M76	Z	-2.334	-2.334	0	%100
81	M77	X	-3.7e-5	-3.7e-5	0	%100
82	M77	Z	-6.5e-5	-6.5e-5	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	-1.841	-1.841	0	%100
86	M82	Z	-3.188	-3.188	0	%100
87	MP4B	X	-1.636	-1.636	0	%100
88	MP4B	Z	-2.833	-2.833	0	%100
89	MP3B	X	-1.636	-1.636	0	%100
90	MP3B	Z	-2.833	-2.833	0	%100
91	MP2B	X	-1.636	-1.636	0	%100
92	MP2B	Z	-2.833	-2.833	0	%100
93	MP1B	X	-1.636	-1.636	0	%100
94	MP1B	Z	-2.833	-2.833	0	%100
95	M96	X	-1.286	-1.286	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
96	M96	Z	-2.228	-2.228	0	%100
97	M97	X	-1.25	-1.25	0	%100
98	M97	Z	-2.164	-2.164	0	%100
99	M98	X	-1.25	-1.25	0	%100
100	M98	Z	-2.164	-2.164	0	%100
101	M103	X	-592	-592	0	%100
102	M103	Z	-1.025	-1.025	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	-592	-592	0	%100
106	M106	Z	-1.025	-1.025	0	%100
107	M107	X	-1.792	-1.792	0	%100
108	M107	Z	-3.103	-3.103	0	%100
109	OVP1	X	-1.443	-1.443	0	%100
110	OVP1	Z	-2.5	-2.5	0	%100
111	OVP2	X	-1.443	-1.443	0	%100
112	OVP2	Z	-2.5	-2.5	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-1.046	-1.046	0	%100
116	M120	Z	-1.811	-1.811	0	%100
117	M121	X	-1.046	-1.046	0	%100
118	M121	Z	-1.811	-1.811	0	%100
119	M122	X	-1.286	-1.286	0	%100
120	M122	Z	-2.228	-2.228	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-1.201	-1.201	0	%100
124	M124	Z	-2.081	-2.081	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	-74	-74	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	-1.269	-1.269	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	-174	-174	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	-174	-174	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	-335	-335	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	-335	-335	0	%100
15	MP4A	X	0	0	0	%100
16	MP4A	Z	-502	-502	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	-502	-502	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-502	-502	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	-502	-502	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	-502	-502	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
25	M37A	X	0	0	0	%100
26	M37A	Z	-693	-693	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	-693	-693	0	%100
29	M43	X	0	0	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	-323	-323	0	%100
33	M46	X	0	0	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	-323	-323	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	-185	-185	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	-605	-605	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	-317	-317	0	%100
43	M40A	X	0	0	0	%100
44	M40A	Z	-179	-179	0	%100
45	M41A	X	0	0	0	%100
46	M41A	Z	-705	-705	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	-1.34	-1.34	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-335	-335	0	%100
51	MP4C	X	0	0	0	%100
52	MP4C	Z	-502	-502	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	-502	-502	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	-502	-502	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	-502	-502	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	-126	-126	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	-173	-173	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	-173	-173	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	-958	-958	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	-1.293	-1.293	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	-958	-958	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	-323	-323	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-185	-185	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-605	-605	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	-317	-317	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	-705	-705	0	%100
81	M77	X	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
82	M77	Z	-179	-179	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	-335	-335	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	-1.34	-1.34	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	-502	-502	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	-502	-502	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-502	-502	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-502	-502	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	-126	-126	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	-173	-173	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	-173	-173	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	-958	-958	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-323	-323	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	-958	-958	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-1,293	-1,293	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	-458	-458	0	%100
111	OVP2	X	0	0	0	%100
112	OVP2	Z	-458	-458	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	-142	-142	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	-142	-142	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	-567	-567	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	-502	-502	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	-126	-126	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	-126	-126	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	.278	.278	0	%100
2	LV	Z	-.481	-.481	0	%100
3	M72A	X	.101	.101	0	%100
4	M72A	Z	-.175	-.175	0	%100
5	M75	X	.476	.476	0	%100
6	M75	Z	-.824	-.824	0	%100
7	M78	X	.263	.263	0	%100
8	M78	Z	-.456	-.456	0	%100
9	M79	X	7e-6	7e-6	0	%100
10	M79	Z	-1.3e-5	-1.3e-5	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
11	M87A	X	0	0	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	.502	.502	0	%100
14	M92	Z	-.87	-.87	0	%100
15	MP4A	X	.251	.251	0	%100
16	MP4A	Z	-.435	-.435	0	%100
17	MP3A	X	.251	.251	0	%100
18	MP3A	Z	-.435	-.435	0	%100
19	MP2A	X	.251	.251	0	%100
20	MP2A	Z	-.435	-.435	0	%100
21	MP1A	X	.251	.251	0	%100
22	MP1A	Z	-.435	-.435	0	%100
23	M37	X	.188	.188	0	%100
24	M37	Z	-.326	-.326	0	%100
25	M37A	X	.26	.26	0	%100
26	M37A	Z	-.45	-.45	0	%100
27	M38	X	.26	.26	0	%100
28	M38	Z	-.45	-.45	0	%100
29	M43	X	.16	.16	0	%100
30	M43	Z	-.276	-.276	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	.16	.16	0	%100
34	M46	Z	-.276	-.276	0	%100
35	M47	X	.485	.485	0	%100
36	M47	Z	-.84	-.84	0	%100
37	M37B	X	.278	.278	0	%100
38	M37B	Z	-.481	-.481	0	%100
39	M38A	X	.101	.101	0	%100
40	M38A	Z	-.175	-.175	0	%100
41	M39A	X	.476	.476	0	%100
42	M39A	Z	-.824	-.824	0	%100
43	M40A	X	7e-6	7e-6	0	%100
44	M40A	Z	-1.3e-5	-1.3e-5	0	%100
45	M41A	X	.263	.263	0	%100
46	M41A	Z	-.456	-.456	0	%100
47	M44A	X	.502	.502	0	%100
48	M44A	Z	-.87	-.87	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	.251	.251	0	%100
52	MP4C	Z	-.435	-.435	0	%100
53	MP3C	X	.251	.251	0	%100
54	MP3C	Z	-.435	-.435	0	%100
55	MP2C	X	.251	.251	0	%100
56	MP2C	Z	-.435	-.435	0	%100
57	MP1C	X	.251	.251	0	%100
58	MP1C	Z	-.435	-.435	0	%100
59	M60	X	.188	.188	0	%100
60	M60	Z	-.326	-.326	0	%100
61	M61	X	.26	.26	0	%100
62	M61	Z	-.45	-.45	0	%100
63	M62	X	.26	.26	0	%100
64	M62	Z	-.45	-.45	0	%100
65	M67	X	.16	.16	0	%100
66	M67	Z	-.276	-.276	0	%100
67	M68	X	.485	.485	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
68	M68	Z	-.84	-.84	0	%100
69	M70	X	.16	.16	0	%100
70	M70	Z	-.276	-.276	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.403	.403	0	%100
76	M74	Z	-.699	-.699	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	.266	.266	0	%100
80	M76	Z	-.46	-.46	0	%100
81	M77	X	.266	.266	0	%100
82	M77	Z	-.46	-.46	0	%100
83	M80B	X	.502	.502	0	%100
84	M80B	Z	-.87	-.87	0	%100
85	M82	X	.502	.502	0	%100
86	M82	Z	-.87	-.87	0	%100
87	MP4B	X	.251	.251	0	%100
88	MP4B	Z	-.435	-.435	0	%100
89	MP3B	X	.251	.251	0	%100
90	MP3B	Z	-.435	-.435	0	%100
91	MP2B	X	.251	.251	0	%100
92	MP2B	Z	-.435	-.435	0	%100
93	MP1B	X	.251	.251	0	%100
94	MP1B	Z	-.435	-.435	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	.639	.639	0	%100
102	M103	Z	-1.106	-1.106	0	%100
103	M104	X	.485	.485	0	%100
104	M104	Z	-.84	-.84	0	%100
105	M106	X	.639	.639	0	%100
106	M106	Z	-1.106	-1.106	0	%100
107	M107	X	.485	.485	0	%100
108	M107	Z	-.84	-.84	0	%100
109	OVP1	X	.229	.229	0	%100
110	OVP1	Z	-.397	-.397	0	%100
111	OVP2	X	.229	.229	0	%100
112	OVP2	Z	-.397	-.397	0	%100
113	M119	X	.213	.213	0	%100
114	M119	Z	-.368	-.368	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	.213	.213	0	%100
118	M121	Z	-.368	-.368	0	%100
119	M122	X	.188	.188	0	%100
120	M122	Z	-.326	-.326	0	%100
121	M123	X	.188	.188	0	%100
122	M123	Z	-.326	-.326	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	.16	.16	0	%100
2	LV	Z	-.093	-.093	0	%100
3	M72A	X	.524	.524	0	%100
4	M72A	Z	-.303	-.303	0	%100
5	M75	X	.275	.275	0	%100
6	M75	Z	-.159	-.159	0	%100
7	M78	X	.611	.611	0	%100
8	M78	Z	-.353	-.353	0	%100
9	M79	X	.155	.155	0	%100
10	M79	Z	-.09	-.09	0	%100
11	M87A	X	.29	.29	0	%100
12	M87A	Z	-.167	-.167	0	%100
13	M92	X	1.16	1.16	0	%100
14	M92	Z	-.67	-.67	0	%100
15	MP4A	X	.435	.435	0	%100
16	MP4A	Z	-.251	-.251	0	%100
17	MP3A	X	.435	.435	0	%100
18	MP3A	Z	-.251	-.251	0	%100
19	MP2A	X	.435	.435	0	%100
20	MP2A	Z	-.251	-.251	0	%100
21	MP1A	X	.435	.435	0	%100
22	MP1A	Z	-.251	-.251	0	%100
23	M37	X	.109	.109	0	%100
24	M37	Z	-.063	-.063	0	%100
25	M37A	X	.15	.15	0	%100
26	M37A	Z	-.087	-.087	0	%100
27	M38	X	.15	.15	0	%100
28	M38	Z	-.087	-.087	0	%100
29	M43	X	.829	.829	0	%100
30	M43	Z	-.479	-.479	0	%100
31	M44	X	.28	.28	0	%100
32	M44	Z	-.162	-.162	0	%100
33	M46	X	.829	.829	0	%100
34	M46	Z	-.479	-.479	0	%100
35	M47	X	1.12	1.12	0	%100
36	M47	Z	-.646	-.646	0	%100
37	M37B	X	.641	.641	0	%100
38	M37B	Z	-.37	-.37	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	1.099	1.099	0	%100
42	M39A	Z	-.635	-.635	0	%100
43	M40A	X	.15	.15	0	%100
44	M40A	Z	-.087	-.087	0	%100
45	M41A	X	.15	.15	0	%100
46	M41A	Z	-.087	-.087	0	%100
47	M44A	X	.29	.29	0	%100
48	M44A	Z	-.167	-.167	0	%100
49	M46A	X	.29	.29	0	%100
50	M46A	Z	-.167	-.167	0	%100
51	MP4C	X	.435	.435	0	%100
52	MP4C	Z	-.251	-.251	0	%100
53	MP3C	X	.435	.435	0	%100
54	MP3C	Z	-.251	-.251	0	%100
55	MP2C	X	.435	.435	0	%100
56	MP2C	Z	-.251	-.251	0	%100
57	MP1C	X	.435	.435	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude lb/ft...	End Magnitude lb/ft.F...	Start Location ft.%	End Location ft.%
58	MP1C	Z	- .251	- .251	0	%100
59	M60	X	.435	.435	0	%100
60	M60	Z	- .251	- .251	0	%100
61	M61	X	.6	.6	0	%100
62	M61	Z	- .347	- .347	0	%100
63	M62	X	.6	.6	0	%100
64	M62	Z	- .347	- .347	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	.28	.28	0	%100
68	M68	Z	- .162	- .162	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	.28	.28	0	%100
72	M71	Z	- .162	- .162	0	%100
73	M73	X	.16	.16	0	%100
74	M73	Z	- .093	- .093	0	%100
75	M74	X	.524	.524	0	%100
76	M74	Z	- .303	- .303	0	%100
77	M75B	X	.275	.275	0	%100
78	M75B	Z	- .159	- .159	0	%100
79	M76	X	.155	.155	0	%100
80	M76	Z	- .09	- .09	0	%100
81	M77	X	.611	.611	0	%100
82	M77	Z	- .353	- .353	0	%100
83	M80B	X	1.16	1.16	0	%100
84	M80B	Z	- .67	- .67	0	%100
85	M82	X	.29	.29	0	%100
86	M82	Z	- .167	- .167	0	%100
87	MP4B	X	.435	.435	0	%100
88	MP4B	Z	- .251	- .251	0	%100
89	MP3B	X	.435	.435	0	%100
90	MP3B	Z	- .251	- .251	0	%100
91	MP2B	X	.435	.435	0	%100
92	MP2B	Z	- .251	- .251	0	%100
93	MP1B	X	.435	.435	0	%100
94	MP1B	Z	- .251	- .251	0	%100
95	M96	X	.109	.109	0	%100
96	M96	Z	- .063	- .063	0	%100
97	M97	X	.15	.15	0	%100
98	M97	Z	- .087	- .087	0	%100
99	M98	X	.15	.15	0	%100
100	M98	Z	- .087	- .087	0	%100
101	M103	X	.829	.829	0	%100
102	M103	Z	- .479	- .479	0	%100
103	M104	X	1.12	1.12	0	%100
104	M104	Z	- .646	- .646	0	%100
105	M106	X	.829	.829	0	%100
106	M106	Z	- .479	- .479	0	%100
107	M107	X	.28	.28	0	%100
108	M107	Z	- .162	- .162	0	%100
109	OVP1	X	.397	.397	0	%100
110	OVP1	Z	- .229	- .229	0	%100
111	OVP2	X	.397	.397	0	%100
112	OVP2	Z	- .229	- .229	0	%100
113	M119	X	.491	.491	0	%100
114	M119	Z	- .283	- .283	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
115	M120	X	.123	.123	0	%100
116	M120	Z	-.071	-.071	0	%100
117	M121	X	.123	.123	0	%100
118	M121	Z	-.071	-.071	0	%100
119	M122	X	.109	.109	0	%100
120	M122	Z	-.063	-.063	0	%100
121	M123	X	.435	.435	0	%100
122	M123	Z	-.251	-.251	0	%100
123	M124	X	.109	.109	0	%100
124	M124	Z	-.063	-.063	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M72A	X	.807	.807	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M78	X	.532	.532	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	.532	.532	0	%100
10	M79	Z	0	0	0	%100
11	M87A	X	1.005	1.005	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	1.005	1.005	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	.502	.502	0	%100
16	MP4A	Z	0	0	0	%100
17	MP3A	X	.502	.502	0	%100
18	MP3A	Z	0	0	0	%100
19	MP2A	X	.502	.502	0	%100
20	MP2A	Z	0	0	0	%100
21	MP1A	X	.502	.502	0	%100
22	MP1A	Z	0	0	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	0	0	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M43	X	1.277	1.277	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	.97	.97	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	1.277	1.277	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	.97	.97	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	.555	.555	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	.202	.202	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	.952	.952	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	.526	.526	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft,F...]	Start Location[ft,%]	End Location[ft,%]
44	M40A	Z	0	0	0	%100
45	M41A	X	1.5e-5	1.5e-5	0	%100
46	M41A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M46A	X	1.005	1.005	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	.502	.502	0	%100
52	MP4C	Z	0	0	0	%100
53	MP3C	X	.502	.502	0	%100
54	MP3C	Z	0	0	0	%100
55	MP2C	X	.502	.502	0	%100
56	MP2C	Z	0	0	0	%100
57	MP1C	X	.502	.502	0	%100
58	MP1C	Z	0	0	0	%100
59	M60	X	.377	.377	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	.52	.52	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	.52	.52	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	.319	.319	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	0	0	0	%100
69	M70	X	.319	.319	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	.97	.97	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	.555	.555	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.202	.202	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	.952	.952	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	1.5e-5	1.5e-5	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	.526	.526	0	%100
82	M77	Z	0	0	0	%100
83	M80B	X	1.005	1.005	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	MP4B	X	.502	.502	0	%100
88	MP4B	Z	0	0	0	%100
89	MP3B	X	.502	.502	0	%100
90	MP3B	Z	0	0	0	%100
91	MP2B	X	.502	.502	0	%100
92	MP2B	Z	0	0	0	%100
93	MP1B	X	.502	.502	0	%100
94	MP1B	Z	0	0	0	%100
95	M96	X	.377	.377	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	.52	.52	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	.52	.52	0	%100
100	M98	Z	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
101	M103	X	.319	.319	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	.97	.97	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	.319	.319	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	OVP1	X	.458	.458	0	%100
110	OVP1	Z	0	0	0	%100
111	OVP2	X	.458	.458	0	%100
112	OVP2	Z	0	0	0	%100
113	M119	X	.425	.425	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	.425	.425	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	0	0	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	.377	.377	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	.377	.377	0	%100
124	M124	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	.16	.16	0	%100
2	LV	Z	.093	.093	0	%100
3	M72A	X	.524	.524	0	%100
4	M72A	Z	.303	.303	0	%100
5	M75	X	.275	.275	0	%100
6	M75	Z	.159	.159	0	%100
7	M78	X	.155	.155	0	%100
8	M78	Z	.09	.09	0	%100
9	M79	X	.611	.611	0	%100
10	M79	Z	.353	.353	0	%100
11	M87A	X	1.16	1.16	0	%100
12	M87A	Z	.67	.67	0	%100
13	M92	X	.29	.29	0	%100
14	M92	Z	.167	.167	0	%100
15	MP4A	X	.435	.435	0	%100
16	MP4A	Z	.251	.251	0	%100
17	MP3A	X	.435	.435	0	%100
18	MP3A	Z	.251	.251	0	%100
19	MP2A	X	.435	.435	0	%100
20	MP2A	Z	.251	.251	0	%100
21	MP1A	X	.435	.435	0	%100
22	MP1A	Z	.251	.251	0	%100
23	M37	X	.109	.109	0	%100
24	M37	Z	.063	.063	0	%100
25	M37A	X	.15	.15	0	%100
26	M37A	Z	.087	.087	0	%100
27	M38	X	.15	.15	0	%100
28	M38	Z	.087	.087	0	%100
29	M43	X	.829	.829	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
30	M43	Z	.479	.479	0	%100
31	M44	X	1.12	1.12	0	%100
32	M44	Z	.646	.646	0	%100
33	M46	X	.829	.829	0	%100
34	M46	Z	.479	.479	0	%100
35	M47	X	.28	.28	0	%100
36	M47	Z	.162	.162	0	%100
37	M37B	X	.16	.16	0	%100
38	M37B	Z	.093	.093	0	%100
39	M38A	X	.524	.524	0	%100
40	M38A	Z	.303	.303	0	%100
41	M39A	X	.275	.275	0	%100
42	M39A	Z	.159	.159	0	%100
43	M40A	X	.611	.611	0	%100
44	M40A	Z	.353	.353	0	%100
45	M41A	X	.155	.155	0	%100
46	M41A	Z	.09	.09	0	%100
47	M44A	X	.29	.29	0	%100
48	M44A	Z	.167	.167	0	%100
49	M46A	X	1.16	1.16	0	%100
50	M46A	Z	.67	.67	0	%100
51	MP4C	X	.435	.435	0	%100
52	MP4C	Z	.251	.251	0	%100
53	MP3C	X	.435	.435	0	%100
54	MP3C	Z	.251	.251	0	%100
55	MP2C	X	.435	.435	0	%100
56	MP2C	Z	.251	.251	0	%100
57	MP1C	X	.435	.435	0	%100
58	MP1C	Z	.251	.251	0	%100
59	M60	X	.109	.109	0	%100
60	M60	Z	.063	.063	0	%100
61	M61	X	.15	.15	0	%100
62	M61	Z	.087	.087	0	%100
63	M62	X	.15	.15	0	%100
64	M62	Z	.087	.087	0	%100
65	M67	X	.829	.829	0	%100
66	M67	Z	.479	.479	0	%100
67	M68	X	.28	.28	0	%100
68	M68	Z	.162	.162	0	%100
69	M70	X	.829	.829	0	%100
70	M70	Z	.479	.479	0	%100
71	M71	X	1.12	1.12	0	%100
72	M71	Z	.646	.646	0	%100
73	M73	X	.641	.641	0	%100
74	M73	Z	.37	.37	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	1.099	1.099	0	%100
78	M75B	Z	.635	.635	0	%100
79	M76	X	.15	.15	0	%100
80	M76	Z	.087	.087	0	%100
81	M77	X	.15	.15	0	%100
82	M77	Z	.087	.087	0	%100
83	M80B	X	.29	.29	0	%100
84	M80B	Z	.167	.167	0	%100
85	M82	X	.29	.29	0	%100
86	M82	Z	.167	.167	0	%100



Company  
Designer  
Job Number  
Model Name

July 20, 2023  
12:28 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
87	MP4B	X	.435	.435	0	%100
88	MP4B	Z	.251	.251	0	%100
89	MP3B	X	.435	.435	0	%100
90	MP3B	Z	.251	.251	0	%100
91	MP2B	X	.435	.435	0	%100
92	MP2B	Z	.251	.251	0	%100
93	MP1B	X	.435	.435	0	%100
94	MP1B	Z	.251	.251	0	%100
95	M96	X	.435	.435	0	%100
96	M96	Z	.251	.251	0	%100
97	M97	X	.6	.6	0	%100
98	M97	Z	.347	.347	0	%100
99	M98	X	.6	.6	0	%100
100	M98	Z	.347	.347	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	.28	.28	0	%100
104	M104	Z	.162	.162	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	.28	.28	0	%100
108	M107	Z	.162	.162	0	%100
109	OVP1	X	.397	.397	0	%100
110	OVP1	Z	.229	.229	0	%100
111	OVP2	X	.397	.397	0	%100
112	OVP2	Z	.229	.229	0	%100
113	M119	X	.123	.123	0	%100
114	M119	Z	.071	.071	0	%100
115	M120	X	.491	.491	0	%100
116	M120	Z	.283	.283	0	%100
117	M121	X	.123	.123	0	%100
118	M121	Z	.071	.071	0	%100
119	M122	X	.109	.109	0	%100
120	M122	Z	.063	.063	0	%100
121	M123	X	.109	.109	0	%100
122	M123	Z	.063	.063	0	%100
123	M124	X	.435	.435	0	%100
124	M124	Z	.251	.251	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	.278	.278	0	%100
2	LV	Z	.481	.481	0	%100
3	M72A	X	.101	.101	0	%100
4	M72A	Z	.175	.175	0	%100
5	M75	X	.476	.476	0	%100
6	M75	Z	.824	.824	0	%100
7	M78	X	7e-6	7e-6	0	%100
8	M78	Z	1.3e-5	1.3e-5	0	%100
9	M79	X	.263	.263	0	%100
10	M79	Z	.456	.456	0	%100
11	M87A	X	.502	.502	0	%100
12	M87A	Z	.87	.87	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	.251	.251	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft,%]	End Location[ft,%]
16	MP4A	Z	.435	.435	0	%100
17	MP3A	X	.251	.251	0	%100
18	MP3A	Z	.435	.435	0	%100
19	MP2A	X	.251	.251	0	%100
20	MP2A	Z	.435	.435	0	%100
21	MP1A	X	.251	.251	0	%100
22	MP1A	Z	.435	.435	0	%100
23	M37	X	.188	.188	0	%100
24	M37	Z	.326	.326	0	%100
25	M37A	X	.26	.26	0	%100
26	M37A	Z	.45	.45	0	%100
27	M38	X	.26	.26	0	%100
28	M38	Z	.45	.45	0	%100
29	M43	X	.16	.16	0	%100
30	M43	Z	.276	.276	0	%100
31	M44	X	.485	.485	0	%100
32	M44	Z	.84	.84	0	%100
33	M46	X	.16	.16	0	%100
34	M46	Z	.276	.276	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	.403	.403	0	%100
40	M38A	Z	.699	.699	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	.266	.266	0	%100
44	M40A	Z	.46	.46	0	%100
45	M41A	X	.266	.266	0	%100
46	M41A	Z	.46	.46	0	%100
47	M44A	X	.502	.502	0	%100
48	M44A	Z	.87	.87	0	%100
49	M46A	X	.502	.502	0	%100
50	M46A	Z	.87	.87	0	%100
51	MP4C	X	.251	.251	0	%100
52	MP4C	Z	.435	.435	0	%100
53	MP3C	X	.251	.251	0	%100
54	MP3C	Z	.435	.435	0	%100
55	MP2C	X	.251	.251	0	%100
56	MP2C	Z	.435	.435	0	%100
57	MP1C	X	.251	.251	0	%100
58	MP1C	Z	.435	.435	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	.639	.639	0	%100
66	M67	Z	1.106	1.106	0	%100
67	M68	X	.485	.485	0	%100
68	M68	Z	.84	.84	0	%100
69	M70	X	.639	.639	0	%100
70	M70	Z	1.106	1.106	0	%100
71	M71	X	.485	.485	0	%100
72	M71	Z	.84	.84	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
73	M73	X	.278	.278	0	%100
74	M73	Z	.481	.481	0	%100
75	M74	X	.101	.101	0	%100
76	M74	Z	.175	.175	0	%100
77	M75B	X	.476	.476	0	%100
78	M75B	Z	.824	.824	0	%100
79	M76	X	.263	.263	0	%100
80	M76	Z	.456	.456	0	%100
81	M77	X	7e-6	7e-6	0	%100
82	M77	Z	1.3e-5	1.3e-5	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	.502	.502	0	%100
86	M82	Z	.87	.87	0	%100
87	MP4B	X	.251	.251	0	%100
88	MP4B	Z	.435	.435	0	%100
89	MP3B	X	.251	.251	0	%100
90	MP3B	Z	.435	.435	0	%100
91	MP2B	X	.251	.251	0	%100
92	MP2B	Z	.435	.435	0	%100
93	MP1B	X	.251	.251	0	%100
94	MP1B	Z	.435	.435	0	%100
95	M96	X	.188	.188	0	%100
96	M96	Z	.326	.326	0	%100
97	M97	X	.26	.26	0	%100
98	M97	Z	.45	.45	0	%100
99	M98	X	.26	.26	0	%100
100	M98	Z	.45	.45	0	%100
101	M103	X	.16	.16	0	%100
102	M103	Z	.276	.276	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	.16	.16	0	%100
106	M106	Z	.276	.276	0	%100
107	M107	X	.485	.485	0	%100
108	M107	Z	.84	.84	0	%100
109	OVP1	X	.229	.229	0	%100
110	OVP1	Z	.397	.397	0	%100
111	OVP2	X	.229	.229	0	%100
112	OVP2	Z	.397	.397	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	.213	.213	0	%100
116	M120	Z	.368	.368	0	%100
117	M121	X	.213	.213	0	%100
118	M121	Z	.368	.368	0	%100
119	M122	X	.188	.188	0	%100
120	M122	Z	.326	.326	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	.188	.188	0	%100
124	M124	Z	.326	.326	0	%100

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

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



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
2	LV	Z	.74	.74	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	1.269	1.269	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	.174	.174	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	.174	.174	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	.335	.335	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	.335	.335	0	%100
15	MP4A	X	0	0	0	%100
16	MP4A	Z	.502	.502	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	.502	.502	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	.502	.502	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	.502	.502	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	.502	.502	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	.693	.693	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	.693	.693	0	%100
29	M43	X	0	0	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	.323	.323	0	%100
33	M46	X	0	0	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	.323	.323	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	.185	.185	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	.605	.605	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	.317	.317	0	%100
43	M40A	X	0	0	0	%100
44	M40A	Z	.179	.179	0	%100
45	M41A	X	0	0	0	%100
46	M41A	Z	.705	.705	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	1.34	1.34	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	.335	.335	0	%100
51	MP4C	X	0	0	0	%100
52	MP4C	Z	.502	.502	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	.502	.502	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	.502	.502	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	.502	.502	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
59	M60	X	0	0	0	%100
60	M60	Z	.126	.126	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	.173	.173	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	.173	.173	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	.958	.958	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	1.293	1.293	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	.958	.958	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	.323	.323	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	.185	.185	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.605	.605	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	.317	.317	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	.705	.705	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	.179	.179	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	.335	.335	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	1.34	1.34	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	.502	.502	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	.502	.502	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	.502	.502	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	.502	.502	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	.126	.126	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	.173	.173	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	.173	.173	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	.958	.958	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	.323	.323	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	.958	.958	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	1.293	1.293	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	.458	.458	0	%100
111	OVP2	X	0	0	0	%100
112	OVP2	Z	.458	.458	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	.142	.142	0	%100
115	M120	X	0	0	0	%100





Company Designer  
Job Number  
Model Name

July 20, 2023  
12:28 PM  
Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
116	M120	Z	.142	.142	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	.567	.567	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	.502	.502	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	.126	.126	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	.126	.126	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-.278	-.278	0	%100
2	LV	Z	.481	.481	0	%100
3	M72A	X	-.101	-.101	0	%100
4	M72A	Z	.175	.175	0	%100
5	M75	X	-.476	-.476	0	%100
6	M75	Z	.824	.824	0	%100
7	M78	X	-.263	-.263	0	%100
8	M78	Z	.456	.456	0	%100
9	M79	X	-7e-6	-7e-6	0	%100
10	M79	Z	1.3e-5	1.3e-5	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	-.502	-.502	0	%100
14	M92	Z	.87	.87	0	%100
15	MP4A	X	-.251	-.251	0	%100
16	MP4A	Z	.435	.435	0	%100
17	MP3A	X	-.251	-.251	0	%100
18	MP3A	Z	.435	.435	0	%100
19	MP2A	X	-.251	-.251	0	%100
20	MP2A	Z	.435	.435	0	%100
21	MP1A	X	-.251	-.251	0	%100
22	MP1A	Z	.435	.435	0	%100
23	M37	X	-.188	-.188	0	%100
24	M37	Z	.326	.326	0	%100
25	M37A	X	-.26	-.26	0	%100
26	M37A	Z	.45	.45	0	%100
27	M38	X	-.26	-.26	0	%100
28	M38	Z	.45	.45	0	%100
29	M43	X	-.16	-.16	0	%100
30	M43	Z	.276	.276	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	-.16	-.16	0	%100
34	M46	Z	.276	.276	0	%100
35	M47	X	-.485	-.485	0	%100
36	M47	Z	.84	.84	0	%100
37	M37B	X	-.278	-.278	0	%100
38	M37B	Z	.481	.481	0	%100
39	M38A	X	-.101	-.101	0	%100
40	M38A	Z	.175	.175	0	%100
41	M39A	X	-.476	-.476	0	%100
42	M39A	Z	.824	.824	0	%100
43	M40A	X	-7e-6	-7e-6	0	%100
44	M40A	Z	1.3e-5	1.3e-5	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
45	M41A	X	-.263	-.263	0	%100
46	M41A	Z	.456	.456	0	%100
47	M44A	X	-.502	-.502	0	%100
48	M44A	Z	.87	.87	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	-.251	-.251	0	%100
52	MP4C	Z	.435	.435	0	%100
53	MP3C	X	-.251	-.251	0	%100
54	MP3C	Z	.435	.435	0	%100
55	MP2C	X	-.251	-.251	0	%100
56	MP2C	Z	.435	.435	0	%100
57	MP1C	X	-.251	-.251	0	%100
58	MP1C	Z	.435	.435	0	%100
59	M60	X	-.188	-.188	0	%100
60	M60	Z	.326	.326	0	%100
61	M61	X	-.26	-.26	0	%100
62	M61	Z	.45	.45	0	%100
63	M62	X	-.26	-.26	0	%100
64	M62	Z	.45	.45	0	%100
65	M67	X	-.16	-.16	0	%100
66	M67	Z	.276	.276	0	%100
67	M68	X	-.485	-.485	0	%100
68	M68	Z	.84	.84	0	%100
69	M70	X	-.16	-.16	0	%100
70	M70	Z	.276	.276	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-.403	-.403	0	%100
76	M74	Z	.699	.699	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	-.266	-.266	0	%100
80	M76	Z	.46	.46	0	%100
81	M77	X	-.266	-.266	0	%100
82	M77	Z	.46	.46	0	%100
83	M80B	X	-.502	-.502	0	%100
84	M80B	Z	.87	.87	0	%100
85	M82	X	-.502	-.502	0	%100
86	M82	Z	.87	.87	0	%100
87	MP4B	X	-.251	-.251	0	%100
88	MP4B	Z	.435	.435	0	%100
89	MP3B	X	-.251	-.251	0	%100
90	MP3B	Z	.435	.435	0	%100
91	MP2B	X	-.251	-.251	0	%100
92	MP2B	Z	.435	.435	0	%100
93	MP1B	X	-.251	-.251	0	%100
94	MP1B	Z	.435	.435	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	-.639	-.639	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
102	M103	Z	1.106	1.106	0	%100
103	M104	X	-.485	-.485	0	%100
104	M104	Z	.84	.84	0	%100
105	M106	X	-.639	-.639	0	%100
106	M106	Z	1.106	1.106	0	%100
107	M107	X	-.485	-.485	0	%100
108	M107	Z	.84	.84	0	%100
109	OVP1	X	-.229	-.229	0	%100
110	OVP1	Z	.397	.397	0	%100
111	OVP2	X	-.229	-.229	0	%100
112	OVP2	Z	.397	.397	0	%100
113	M119	X	-.213	-.213	0	%100
114	M119	Z	.368	.368	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	-.213	-.213	0	%100
118	M121	Z	.368	.368	0	%100
119	M122	X	-.188	-.188	0	%100
120	M122	Z	.326	.326	0	%100
121	M123	X	-.188	-.188	0	%100
122	M123	Z	.326	.326	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-.16	-.16	0	%100
2	LV	Z	.093	.093	0	%100
3	M72A	X	-.524	-.524	0	%100
4	M72A	Z	.303	.303	0	%100
5	M75	X	-.275	-.275	0	%100
6	M75	Z	.159	.159	0	%100
7	M78	X	-.611	-.611	0	%100
8	M78	Z	.353	.353	0	%100
9	M79	X	-.155	-.155	0	%100
10	M79	Z	.09	.09	0	%100
11	M87A	X	-.29	-.29	0	%100
12	M87A	Z	.167	.167	0	%100
13	M92	X	-1.16	-1.16	0	%100
14	M92	Z	.67	.67	0	%100
15	MP4A	X	-.435	-.435	0	%100
16	MP4A	Z	.251	.251	0	%100
17	MP3A	X	-.435	-.435	0	%100
18	MP3A	Z	.251	.251	0	%100
19	MP2A	X	-.435	-.435	0	%100
20	MP2A	Z	.251	.251	0	%100
21	MP1A	X	-.435	-.435	0	%100
22	MP1A	Z	.251	.251	0	%100
23	M37	X	-.109	-.109	0	%100
24	M37	Z	.063	.063	0	%100
25	M37A	X	-.15	-.15	0	%100
26	M37A	Z	.087	.087	0	%100
27	M38	X	-.15	-.15	0	%100
28	M38	Z	.087	.087	0	%100
29	M43	X	-.829	-.829	0	%100
30	M43	Z	.479	.479	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
31	M44	X	-.28	-.28	0	%100
32	M44	Z	.162	.162	0	%100
33	M46	X	-.829	-.829	0	%100
34	M46	Z	.479	.479	0	%100
35	M47	X	-1.12	-1.12	0	%100
36	M47	Z	.646	.646	0	%100
37	M37B	X	-.641	-.641	0	%100
38	M37B	Z	.37	.37	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	-1.099	-1.099	0	%100
42	M39A	Z	.635	.635	0	%100
43	M40A	X	-.15	-.15	0	%100
44	M40A	Z	.087	.087	0	%100
45	M41A	X	-.15	-.15	0	%100
46	M41A	Z	.087	.087	0	%100
47	M44A	X	-.29	-.29	0	%100
48	M44A	Z	.167	.167	0	%100
49	M46A	X	-.29	-.29	0	%100
50	M46A	Z	.167	.167	0	%100
51	MP4C	X	-.435	-.435	0	%100
52	MP4C	Z	.251	.251	0	%100
53	MP3C	X	-.435	-.435	0	%100
54	MP3C	Z	.251	.251	0	%100
55	MP2C	X	-.435	-.435	0	%100
56	MP2C	Z	.251	.251	0	%100
57	MP1C	X	-.435	-.435	0	%100
58	MP1C	Z	.251	.251	0	%100
59	M60	X	-.435	-.435	0	%100
60	M60	Z	.251	.251	0	%100
61	M61	X	-.6	-.6	0	%100
62	M61	Z	.347	.347	0	%100
63	M62	X	-.6	-.6	0	%100
64	M62	Z	.347	.347	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	-.28	-.28	0	%100
68	M68	Z	.162	.162	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	-.28	-.28	0	%100
72	M71	Z	.162	.162	0	%100
73	M73	X	-.16	-.16	0	%100
74	M73	Z	.093	.093	0	%100
75	M74	X	-.524	-.524	0	%100
76	M74	Z	.303	.303	0	%100
77	M75B	X	-.275	-.275	0	%100
78	M75B	Z	.159	.159	0	%100
79	M76	X	-.155	-.155	0	%100
80	M76	Z	.09	.09	0	%100
81	M77	X	-.611	-.611	0	%100
82	M77	Z	.353	.353	0	%100
83	M80B	X	-1.16	-1.16	0	%100
84	M80B	Z	.67	.67	0	%100
85	M82	X	-.29	-.29	0	%100
86	M82	Z	.167	.167	0	%100
87	MP4B	X	-.435	-.435	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
88	MP4B	Z	.251	.251	0	%100
89	MP3B	X	-.435	-.435	0	%100
90	MP3B	Z	.251	.251	0	%100
91	MP2B	X	-.435	-.435	0	%100
92	MP2B	Z	.251	.251	0	%100
93	MP1B	X	-.435	-.435	0	%100
94	MP1B	Z	.251	.251	0	%100
95	M96	X	-.109	-.109	0	%100
96	M96	Z	.063	.063	0	%100
97	M97	X	-.15	-.15	0	%100
98	M97	Z	.087	.087	0	%100
99	M98	X	-.15	-.15	0	%100
100	M98	Z	.087	.087	0	%100
101	M103	X	-.829	-.829	0	%100
102	M103	Z	.479	.479	0	%100
103	M104	X	-1.12	-1.12	0	%100
104	M104	Z	.646	.646	0	%100
105	M106	X	-.829	-.829	0	%100
106	M106	Z	.479	.479	0	%100
107	M107	X	-.28	-.28	0	%100
108	M107	Z	.162	.162	0	%100
109	OVP1	X	-.397	-.397	0	%100
110	OVP1	Z	.229	.229	0	%100
111	OVP2	X	-.397	-.397	0	%100
112	OVP2	Z	.229	.229	0	%100
113	M119	X	-.491	-.491	0	%100
114	M119	Z	.283	.283	0	%100
115	M120	X	-.123	-.123	0	%100
116	M120	Z	.071	.071	0	%100
117	M121	X	-.123	-.123	0	%100
118	M121	Z	.071	.071	0	%100
119	M122	X	-.109	-.109	0	%100
120	M122	Z	.063	.063	0	%100
121	M123	X	-.435	-.435	0	%100
122	M123	Z	.251	.251	0	%100
123	M124	X	-.109	-.109	0	%100
124	M124	Z	.063	.063	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M72A	X	-.807	-.807	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M78	X	-.532	-.532	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	-.532	-.532	0	%100
10	M79	Z	0	0	0	%100
11	M87A	X	-1.005	-1.005	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	-1.005	-1.005	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	-.502	-.502	0	%100
16	MP4A	Z	0	0	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
17	MP3A	X	-502	-502	0	%100
18	MP3A	Z	0	0	0	%100
19	MP2A	X	-502	-502	0	%100
20	MP2A	Z	0	0	0	%100
21	MP1A	X	-502	-502	0	%100
22	MP1A	Z	0	0	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	0	0	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M43	X	-1.277	-1.277	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	-.97	-.97	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	-1.277	-1.277	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	-.97	-.97	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	-555	-555	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	-.202	-.202	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	-.952	-.952	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	-.526	-.526	0	%100
44	M40A	Z	0	0	0	%100
45	M41A	X	-1.5e-5	-1.5e-5	0	%100
46	M41A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M46A	X	-1.005	-1.005	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	-502	-502	0	%100
52	MP4C	Z	0	0	0	%100
53	MP3C	X	-502	-502	0	%100
54	MP3C	Z	0	0	0	%100
55	MP2C	X	-502	-502	0	%100
56	MP2C	Z	0	0	0	%100
57	MP1C	X	-502	-502	0	%100
58	MP1C	Z	0	0	0	%100
59	M60	X	-.377	-.377	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	-.52	-.52	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	-.52	-.52	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	-.319	-.319	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	0	0	0	%100
69	M70	X	-.319	-.319	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	-.97	-.97	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	-.555	-.555	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
74	M73	Z	0	0	0	%100
75	M74	X	- .202	- .202	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	- .952	- .952	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	-1.5e-5	-1.5e-5	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	- .526	- .526	0	%100
82	M77	Z	0	0	0	%100
83	M80B	X	-1.005	-1.005	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	MP4B	X	- .502	- .502	0	%100
88	MP4B	Z	0	0	0	%100
89	MP3B	X	- .502	- .502	0	%100
90	MP3B	Z	0	0	0	%100
91	MP2B	X	- .502	- .502	0	%100
92	MP2B	Z	0	0	0	%100
93	MP1B	X	- .502	- .502	0	%100
94	MP1B	Z	0	0	0	%100
95	M96	X	- .377	- .377	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	- .52	- .52	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	- .52	- .52	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	- .319	- .319	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	- .97	- .97	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	- .319	- .319	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	OVP1	X	- .458	- .458	0	%100
110	OVP1	Z	0	0	0	%100
111	OVP2	X	- .458	- .458	0	%100
112	OVP2	Z	0	0	0	%100
113	M119	X	- .425	- .425	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	- .425	- .425	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	0	0	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	- .377	- .377	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	- .377	- .377	0	%100
124	M124	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	- .16	- .16	0	%100
2	LV	Z	- .093	- .093	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
3	M72A	X	-524	-524	0	%100
4	M72A	Z	-303	-303	0	%100
5	M75	X	-275	-275	0	%100
6	M75	Z	-159	-159	0	%100
7	M78	X	-155	-155	0	%100
8	M78	Z	-.09	-.09	0	%100
9	M79	X	-611	-611	0	%100
10	M79	Z	-353	-353	0	%100
11	M87A	X	-1.16	-1.16	0	%100
12	M87A	Z	-.67	-.67	0	%100
13	M92	X	-.29	-.29	0	%100
14	M92	Z	-.167	-.167	0	%100
15	MP4A	X	-.435	-.435	0	%100
16	MP4A	Z	-.251	-.251	0	%100
17	MP3A	X	-.435	-.435	0	%100
18	MP3A	Z	-.251	-.251	0	%100
19	MP2A	X	-.435	-.435	0	%100
20	MP2A	Z	-.251	-.251	0	%100
21	MP1A	X	-.435	-.435	0	%100
22	MP1A	Z	-.251	-.251	0	%100
23	M37	X	-.109	-.109	0	%100
24	M37	Z	-.063	-.063	0	%100
25	M37A	X	-.15	-.15	0	%100
26	M37A	Z	-.087	-.087	0	%100
27	M38	X	-.15	-.15	0	%100
28	M38	Z	-.087	-.087	0	%100
29	M43	X	-.829	-.829	0	%100
30	M43	Z	-.479	-.479	0	%100
31	M44	X	-1.12	-1.12	0	%100
32	M44	Z	-.646	-.646	0	%100
33	M46	X	-.829	-.829	0	%100
34	M46	Z	-.479	-.479	0	%100
35	M47	X	-.28	-.28	0	%100
36	M47	Z	-.162	-.162	0	%100
37	M37B	X	-.16	-.16	0	%100
38	M37B	Z	-.093	-.093	0	%100
39	M38A	X	-.524	-.524	0	%100
40	M38A	Z	-.303	-.303	0	%100
41	M39A	X	-.275	-.275	0	%100
42	M39A	Z	-.159	-.159	0	%100
43	M40A	X	-611	-611	0	%100
44	M40A	Z	-353	-353	0	%100
45	M41A	X	-155	-155	0	%100
46	M41A	Z	-.09	-.09	0	%100
47	M44A	X	-.29	-.29	0	%100
48	M44A	Z	-.167	-.167	0	%100
49	M46A	X	-1.16	-1.16	0	%100
50	M46A	Z	-.67	-.67	0	%100
51	MP4C	X	-.435	-.435	0	%100
52	MP4C	Z	-.251	-.251	0	%100
53	MP3C	X	-.435	-.435	0	%100
54	MP3C	Z	-.251	-.251	0	%100
55	MP2C	X	-.435	-.435	0	%100
56	MP2C	Z	-.251	-.251	0	%100
57	MP1C	X	-.435	-.435	0	%100
58	MP1C	Z	-.251	-.251	0	%100
59	M60	X	-.109	-.109	0	%100





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
60	M60	Z	-063	-063	0	%100
61	M61	X	-15	-15	0	%100
62	M61	Z	-087	-087	0	%100
63	M62	X	-15	-15	0	%100
64	M62	Z	-087	-087	0	%100
65	M67	X	-829	-829	0	%100
66	M67	Z	-479	-479	0	%100
67	M68	X	-28	-28	0	%100
68	M68	Z	-162	-162	0	%100
69	M70	X	-829	-829	0	%100
70	M70	Z	-479	-479	0	%100
71	M71	X	-1.12	-1.12	0	%100
72	M71	Z	-646	-646	0	%100
73	M73	X	-641	-641	0	%100
74	M73	Z	-37	-37	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	-1.099	-1.099	0	%100
78	M75B	Z	-635	-635	0	%100
79	M76	X	-15	-15	0	%100
80	M76	Z	-087	-087	0	%100
81	M77	X	-15	-15	0	%100
82	M77	Z	-087	-087	0	%100
83	M80B	X	-29	-29	0	%100
84	M80B	Z	-167	-167	0	%100
85	M82	X	-29	-29	0	%100
86	M82	Z	-167	-167	0	%100
87	MP4B	X	-435	-435	0	%100
88	MP4B	Z	-251	-251	0	%100
89	MP3B	X	-435	-435	0	%100
90	MP3B	Z	-251	-251	0	%100
91	MP2B	X	-435	-435	0	%100
92	MP2B	Z	-251	-251	0	%100
93	MP1B	X	-435	-435	0	%100
94	MP1B	Z	-251	-251	0	%100
95	M96	X	-435	-435	0	%100
96	M96	Z	-251	-251	0	%100
97	M97	X	-6	-6	0	%100
98	M97	Z	-347	-347	0	%100
99	M98	X	-6	-6	0	%100
100	M98	Z	-347	-347	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	-28	-28	0	%100
104	M104	Z	-162	-162	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	-28	-28	0	%100
108	M107	Z	-162	-162	0	%100
109	OVP1	X	-397	-397	0	%100
110	OVP1	Z	-229	-229	0	%100
111	OVP2	X	-397	-397	0	%100
112	OVP2	Z	-229	-229	0	%100
113	M119	X	-123	-123	0	%100
114	M119	Z	-071	-071	0	%100
115	M120	X	-491	-491	0	%100
116	M120	Z	-283	-283	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
117	M121	X	-.123	-.123	0	%100
118	M121	Z	-.071	-.071	0	%100
119	M122	X	-.109	-.109	0	%100
120	M122	Z	-.063	-.063	0	%100
121	M123	X	-.109	-.109	0	%100
122	M123	Z	-.063	-.063	0	%100
123	M124	X	-.435	-.435	0	%100
124	M124	Z	-.251	-.251	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	LV	X	-.278	-.278	0	%100
2	LV	Z	-.481	-.481	0	%100
3	M72A	X	-.101	-.101	0	%100
4	M72A	Z	-.175	-.175	0	%100
5	M75	X	-.476	-.476	0	%100
6	M75	Z	-.824	-.824	0	%100
7	M78	X	-7e-6	-7e-6	0	%100
8	M78	Z	-1.3e-5	-1.3e-5	0	%100
9	M79	X	-.263	-.263	0	%100
10	M79	Z	-.456	-.456	0	%100
11	M87A	X	-.502	-.502	0	%100
12	M87A	Z	-.87	-.87	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	-.251	-.251	0	%100
16	MP4A	Z	-.435	-.435	0	%100
17	MP3A	X	-.251	-.251	0	%100
18	MP3A	Z	-.435	-.435	0	%100
19	MP2A	X	-.251	-.251	0	%100
20	MP2A	Z	-.435	-.435	0	%100
21	MP1A	X	-.251	-.251	0	%100
22	MP1A	Z	-.435	-.435	0	%100
23	M37	X	-.188	-.188	0	%100
24	M37	Z	-.326	-.326	0	%100
25	M37A	X	-.26	-.26	0	%100
26	M37A	Z	-.45	-.45	0	%100
27	M38	X	-.26	-.26	0	%100
28	M38	Z	-.45	-.45	0	%100
29	M43	X	-.16	-.16	0	%100
30	M43	Z	-.276	-.276	0	%100
31	M44	X	-.485	-.485	0	%100
32	M44	Z	-.84	-.84	0	%100
33	M46	X	-.16	-.16	0	%100
34	M46	Z	-.276	-.276	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	-.403	-.403	0	%100
40	M38A	Z	-.699	-.699	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	-.266	-.266	0	%100
44	M40A	Z	-.46	-.46	0	%100
45	M41A	X	-.266	-.266	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
46	M41A	Z	-46	-46	0	%100
47	M44A	X	-502	-502	0	%100
48	M44A	Z	-87	-87	0	%100
49	M46A	X	-502	-502	0	%100
50	M46A	Z	-87	-87	0	%100
51	MP4C	X	-251	-251	0	%100
52	MP4C	Z	-435	-435	0	%100
53	MP3C	X	-251	-251	0	%100
54	MP3C	Z	-435	-435	0	%100
55	MP2C	X	-251	-251	0	%100
56	MP2C	Z	-435	-435	0	%100
57	MP1C	X	-251	-251	0	%100
58	MP1C	Z	-435	-435	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	-639	-639	0	%100
66	M67	Z	-1.106	-1.106	0	%100
67	M68	X	-485	-485	0	%100
68	M68	Z	-84	-84	0	%100
69	M70	X	-639	-639	0	%100
70	M70	Z	-1.106	-1.106	0	%100
71	M71	X	-485	-485	0	%100
72	M71	Z	-84	-84	0	%100
73	M73	X	-278	-278	0	%100
74	M73	Z	-481	-481	0	%100
75	M74	X	-101	-101	0	%100
76	M74	Z	-175	-175	0	%100
77	M75B	X	-476	-476	0	%100
78	M75B	Z	-824	-824	0	%100
79	M76	X	-263	-263	0	%100
80	M76	Z	-456	-456	0	%100
81	M77	X	-7e-6	-7e-6	0	%100
82	M77	Z	-1.3e-5	-1.3e-5	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	-502	-502	0	%100
86	M82	Z	-87	-87	0	%100
87	MP4B	X	-251	-251	0	%100
88	MP4B	Z	-435	-435	0	%100
89	MP3B	X	-251	-251	0	%100
90	MP3B	Z	-435	-435	0	%100
91	MP2B	X	-251	-251	0	%100
92	MP2B	Z	-435	-435	0	%100
93	MP1B	X	-251	-251	0	%100
94	MP1B	Z	-435	-435	0	%100
95	M96	X	-188	-188	0	%100
96	M96	Z	-326	-326	0	%100
97	M97	X	-26	-26	0	%100
98	M97	Z	-45	-45	0	%100
99	M98	X	-26	-26	0	%100
100	M98	Z	-45	-45	0	%100
101	M103	X	-16	-16	0	%100
102	M103	Z	-276	-276	0	%100



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	-.16	-.16	0	%100
106	M106	Z	-.276	-.276	0	%100
107	M107	X	-.485	-.485	0	%100
108	M107	Z	-.84	-.84	0	%100
109	OVP1	X	-.229	-.229	0	%100
110	OVP1	Z	-.397	-.397	0	%100
111	OVP2	X	-.229	-.229	0	%100
112	OVP2	Z	-.397	-.397	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-.213	-.213	0	%100
116	M120	Z	-.368	-.368	0	%100
117	M121	X	-.213	-.213	0	%100
118	M121	Z	-.368	-.368	0	%100
119	M122	X	-.188	-.188	0	%100
120	M122	Z	-.326	-.326	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-.188	-.188	0	%100
124	M124	Z	-.326	-.326	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M40A	Y	-2.024	-5.015	0	.858
2	M40A	Y	-5.015	-8.089	.858	1.716
3	M40A	Y	-8.089	-9.012	1.716	2.575
4	M40A	Y	-9.012	-6.744	2.575	3.433
5	M40A	Y	-6.744	-3.518	3.433	4.291
6	M41A	Y	-3.406	-6.817	0	.858
7	M41A	Y	-6.817	-9.864	.858	1.717
8	M41A	Y	-9.864	-7.519	1.717	2.575
9	M41A	Y	-7.519	-3.456	2.575	3.434
10	M41A	Y	-3.456	-2.705	3.434	4.292
11	M76	Y	-2.024	-5.015	0	.858
12	M76	Y	-5.015	-8.089	.858	1.716
13	M76	Y	-8.089	-9.012	1.716	2.575
14	M76	Y	-9.012	-6.744	2.575	3.433
15	M76	Y	-6.744	-3.518	3.433	4.291
16	M77	Y	-3.406	-6.817	0	.858
17	M77	Y	-6.817	-9.864	.858	1.717
18	M77	Y	-9.864	-7.519	1.717	2.575
19	M77	Y	-7.519	-3.456	2.575	3.434
20	M77	Y	-3.456	-2.705	3.434	4.292
21	M78	Y	-2.024	-5.015	0	.858
22	M78	Y	-5.015	-8.089	.858	1.716
23	M78	Y	-8.089	-9.012	1.716	2.575
24	M78	Y	-9.012	-6.744	2.575	3.433
25	M78	Y	-6.744	-3.518	3.433	4.291
26	M79	Y	-3.406	-6.817	0	.858
27	M79	Y	-6.817	-9.864	.858	1.717
28	M79	Y	-9.864	-7.519	1.717	2.575
29	M79	Y	-7.519	-3.456	2.575	3.434
30	M79	Y	-3.456	-2.705	3.434	4.292



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M78	Y	-6.229	-15.432	0	.858
2	M78	Y	-15.432	-24.89	.858	1.716
3	M78	Y	-24.89	-27.729	1.716	2.575
4	M78	Y	-27.729	-20.749	2.575	3.433
5	M78	Y	-20.749	-10.825	3.433	4.291
6	M79	Y	-10.48	-20.975	0	.858
7	M79	Y	-20.975	-30.351	.858	1.717
8	M79	Y	-30.351	-23.136	1.717	2.575
9	M79	Y	-23.136	-10.635	2.575	3.434
10	M79	Y	-10.635	-8.324	3.434	4.292
11	M40A	Y	-6.229	-15.432	0	.858
12	M40A	Y	-15.432	-24.89	.858	1.716
13	M40A	Y	-24.89	-27.729	1.716	2.575
14	M40A	Y	-27.729	-20.749	2.575	3.433
15	M40A	Y	-20.749	-10.825	3.433	4.291
16	M41A	Y	-10.48	-20.975	0	.858
17	M41A	Y	-20.975	-30.351	.858	1.717
18	M41A	Y	-30.351	-23.136	1.717	2.575
19	M41A	Y	-23.136	-10.635	2.575	3.434
20	M41A	Y	-10.635	-8.324	3.434	4.292
21	M76	Y	-6.229	-15.432	0	.858
22	M76	Y	-15.432	-24.89	.858	1.716
23	M76	Y	-24.89	-27.729	1.716	2.575
24	M76	Y	-27.729	-20.749	2.575	3.433
25	M76	Y	-20.749	-10.825	3.433	4.291
26	M77	Y	-10.48	-20.975	0	.858
27	M77	Y	-20.975	-30.351	.858	1.717
28	M77	Y	-30.351	-23.136	1.717	2.575
29	M77	Y	-23.136	-10.635	2.575	3.434
30	M77	Y	-10.635	-8.324	3.434	4.292

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M40A	Y	-.043	-.106	0	.858
2	M40A	Y	-.106	-.171	.858	1.716
3	M40A	Y	-.171	-.191	1.716	2.575
4	M40A	Y	-.191	-.143	2.575	3.433
5	M40A	Y	-.143	-.074	3.433	4.291
6	M41A	Y	-.072	-.144	0	.858
7	M41A	Y	-.144	-.209	.858	1.717
8	M41A	Y	-.209	-.159	1.717	2.575
9	M41A	Y	-.159	-.073	2.575	3.434
10	M41A	Y	-.073	-.057	3.434	4.292
11	M76	Y	-.043	-.106	0	.858
12	M76	Y	-.106	-.171	.858	1.716
13	M76	Y	-.171	-.191	1.716	2.575
14	M76	Y	-.191	-.143	2.575	3.433
15	M76	Y	-.143	-.074	3.433	4.291
16	M77	Y	-.072	-.144	0	.858
17	M77	Y	-.144	-.209	.858	1.717
18	M77	Y	-.209	-.159	1.717	2.575
19	M77	Y	-.159	-.073	2.575	3.434
20	M77	Y	-.073	-.057	3.434	4.292
21	M78	Y	-.043	-.106	0	.858
22	M78	Y	-.106	-.171	.858	1.716
23	M78	Y	-.171	-.191	1.716	2.575



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
24	M78	Y	-191	-143	2.575	3.433
25	M78	Y	-143	-074	3.433	4.291
26	M79	Y	-072	-144	0	858
27	M79	Y	-144	-209	858	1.717
28	M79	Y	-209	-159	1.717	2.575
29	M79	Y	-159	-073	2.575	3.434
30	M79	Y	-073	-057	3.434	4.292

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M40A	Z	-107	-266	0	858
2	M40A	Z	-266	-429	858	1.716
3	M40A	Z	-429	-478	1.716	2.575
4	M40A	Z	-478	-358	2.575	3.433
5	M40A	Z	-358	-187	3.433	4.291
6	M41A	Z	-181	-362	0	858
7	M41A	Z	-362	-524	858	1.717
8	M41A	Z	-524	-399	1.717	2.575
9	M41A	Z	-399	-183	2.575	3.434
10	M41A	Z	-183	-144	3.434	4.292
11	M76	Z	-107	-266	0	858
12	M76	Z	-266	-429	858	1.716
13	M76	Z	-429	-478	1.716	2.575
14	M76	Z	-478	-358	2.575	3.433
15	M76	Z	-358	-187	3.433	4.291
16	M77	Z	-181	-362	0	858
17	M77	Z	-362	-524	858	1.717
18	M77	Z	-524	-399	1.717	2.575
19	M77	Z	-399	-183	2.575	3.434
20	M77	Z	-183	-144	3.434	4.292
21	M78	Z	-107	-266	0	858
22	M78	Z	-266	-429	858	1.716
23	M78	Z	-429	-478	1.716	2.575
24	M78	Z	-478	-358	2.575	3.433
25	M78	Z	-358	-187	3.433	4.291
26	M79	Z	-181	-362	0	858
27	M79	Z	-362	-524	858	1.717
28	M79	Z	-524	-399	1.717	2.575
29	M79	Z	-399	-183	2.575	3.434
30	M79	Z	-183	-144	3.434	4.292

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M40A	X	107	266	0	858
2	M40A	X	266	429	858	1.716
3	M40A	X	429	478	1.716	2.575
4	M40A	X	478	358	2.575	3.433
5	M40A	X	358	187	3.433	4.291
6	M41A	X	181	362	0	858
7	M41A	X	362	524	858	1.717
8	M41A	X	524	399	1.717	2.575
9	M41A	X	399	183	2.575	3.434
10	M41A	X	183	144	3.434	4.292
11	M76	X	107	266	0	858
12	M76	X	266	429	858	1.716
13	M76	X	429	478	1.716	2.575

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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
14	M76	X	.478	.358	2.575	3.433
15	M76	X	.358	.187	3.433	4.291
16	M77	X	.181	.362	0	.858
17	M77	X	.362	.524	.858	1.717
18	M77	X	.524	.399	1.717	2.575
19	M77	X	.399	.183	2.575	3.434
20	M77	X	.183	.144	3.434	4.292
21	M78	X	.107	.266	0	.858
22	M78	X	.266	.429	.858	1.716
23	M78	X	.429	.478	1.716	2.575
24	M78	X	.478	.358	2.575	3.433
25	M78	X	.358	.187	3.433	4.291
26	M79	X	.181	.362	0	.858
27	M79	X	.362	.524	.858	1.717
28	M79	X	.524	.399	1.717	2.575
29	M79	X	.399	.183	2.575	3.434
30	M79	X	.183	.144	3.434	4.292

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N62A	N61A	N99	N100	Y	Two Way	-.005
2	N155	N156	N118A	N117	Y	Two Way	-.005
3	N59	N122	N121	N58A	Y	Two Way	-.005

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N59	N122	N121	N58A	Y	Two Way	-.016
2	N99	N100	N62A	N61A	Y	Two Way	-.016
3	N155	N156	N118A	N117	Y	Two Way	-.016

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N62A	N61A	N99	N100	Y	Two Way	-.00011
2	N155	N156	N118A	N117	Y	Two Way	-.00011
3	N59	N122	N121	N58A	Y	Two Way	-.00011

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N62A	N61A	N99	N100	Z	Two Way	-.000276
2	N155	N156	N118A	N117	Z	Two Way	-.000276
3	N59	N122	N121	N58A	Z	Two Way	-.000276

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N62A	N61A	N99	N100	X	Two Way	.000276
2	N155	N156	N118A	N117	X	Two Way	.000276
3	N59	N122	N121	N58A	X	Two Way	.000276



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 PM  
 Checked By: \_\_\_\_\_

**Envelope Joint Reactions**

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N112A	max	764.153	10	3015.462	13	1638.69	1	9.378	13	1.798	4	.154	3
2		min	-767.452	4	440.394	7	-1707.534	7	.275	7	-1.791	10	-.224	9
3	N59A	max	1514.127	9	3185.722	21	973.268	1	-.279	3	1.708	12	-.056	3
4		min	-1575.358	3	510.905	3	-940.171	7	-4.575	21	-1.709	6	-7.854	21
5	N115	max	1658.323	11	3271.179	17	1101.99	1	-.31	11	1.836	8	8.389	17
6		min	-1593.64	5	504.587	11	-1066.255	7	-5.115	17	-1.842	2	.388	11
7	Totals:	max	3732.141	10	8937.998	24	3713.948	1						
8		min	-3732.134	4	2272.293	69	-3713.96	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 v...	phi*Mn z...	Cb	Eqn
1	LV	PIPE 3.0	.290	4.687	18	.095	10.469	19	19871.935	65205	5.749	5.749	2...	H1-1b
2	M72A	HSS4X4X4	.745	0	13	.111	0	v 23	94992.829	109188	12.663	12.663	3...	H1-1b
3	M75	PL1/2X6	.265	.547	8	.193	.239	v 20	62895.024	97200	1.012	12.15	1...	H1-1b
4	M78	L2x2x3	.149	4.291	2	.019	4.291	v 15	9300.124	23392.8	.558	1.075	1...	H2-1
5	M79	L2x2x3	.148	0	12	.024	0	v 22	9294.632	23392.8	.558	1.08	1...	H2-1
6	M87A	PL1/2X6	.059	.125	1	.102	.125	v 9	96648.928	97200	1.012	12.15	1...	H1-1b
7	M92	PL1/2X6	.063	.125	1	.061	0	v 11	96648.928	97200	1.012	12.15	1...	H1-1b
8	MP4A	PIPE 2.0	.351	4.063	17	.162	.5	6	20866.733	32130	1.872	1.872	2...	H1-1b
9	MP3A	PIPE 2.0	.363	4.063	17	.119	2.938	7	20866.733	32130	1.872	1.872	2...	H1-1b
10	MP2A	PIPE 2.0	.394	4.063	10	.072	4.063	9	20866.733	32130	1.872	1.872	2...	H1-1b
11	MP1A	PIPE 2.0	.600	4.063	21	.163	.5	8	20866.733	32130	1.872	1.872	2...	H1-1b
12	M37	PIPE 2.0	.311	1.484	21	.066	5.479	12	22417.462	32130	1.872	1.872	1...	H1-1b
13	M37A	HSS4X4X3	.345	2.406	14	.081	2.406	v 13	82081.458	83592	9.909	9.909	1...	H1-1b
14	M38	HSS4X4X3	.385	0	24	.099	0	v 23	82081.458	83592	9.909	9.909	1...	H1-1b
15	M43	PL3/8x6	.163	0	12	.523	0	v 24	71260.778	72900	.57	9.113	1...	H1-1b
16	M44	PL3/8x6	.207	.167	12	.563	0	v 23	71601.728	72900	.57	9.113	1...	H1-1b
17	M46	PL3/8x6	.185	0	2	.537	0	v 13	71260.778	72900	.57	9.113	1...	H1-1b
18	M47	PL3/8x6	.202	.167	8	.489	0	v 13	71601.728	72900	.57	9.113	1...	H1-1b
19	M37B	PIPE 3.0	.286	4.687	14	.073	10.469	16	19871.935	65205	5.749	5.749	2...	H1-1b
20	M38A	HSS4X4X4	.722	0	21	.118	0	v 18	94992.829	109188	12.663	12.663	3...	H1-1b
21	M39A	PL1/2X6	.275	.547	4	.196	.239	v 16	62895.024	97200	1.012	12.15	1...	H1-1b
22	M40A	L2x2x3	.155	4.291	10	.019	4.291	v 23	9300.124	23392.8	.558	1.075	1...	H2-1
23	M41A	L2x2x3	.143	0	8	.024	4.292	v 17	9294.632	23392.8	.558	1.08	1...	H2-1
24	M44A	PL1/2X6	.059	.125	9	.109	.125	v 17	96648.928	97200	1.012	12.15	1...	H1-1b
25	M46A	PL1/2X6	.062	.125	9	.054	0	v 7	96648.928	97200	1.012	12.15	1...	H1-1b
26	MP4C	PIPE 2.0	.279	.5	9	.064	.5	6	20866.733	32130	1.872	1.872	2...	H1-1b
27	MP3C	PIPE 2.0	.558	4.063	24	.145	3.063	15	20866.733	32130	1.872	1.872	2...	H1-1b
28	MP2C	PIPE 2.0	.444	4.063	6	.077	4.063	5	20866.733	32130	1.872	1.872	2...	H1-1b
29	MP1C	PIPE 2.0	.560	4.063	17	.178	.5	4	20866.733	32130	1.872	1.872	2...	H1-1b
30	M60	PIPE 2.0	.295	1.484	17	.064	1.484	2	22417.462	32130	1.872	1.872	1...	H1-1b
31	M61	HSS4X4X3	.345	2.406	22	.079	2.406	v 21	82081.458	83592	9.909	9.909	1...	H1-1b
32	M62	HSS4X4X3	.385	0	20	.097	0	v 19	82081.458	83592	9.909	9.909	1...	H1-1b
33	M67	PL3/8x6	.162	0	8	.556	0	v 20	71260.778	72900	.57	9.113	1...	H1-1b
34	M68	PL3/8x6	.203	.167	2	.567	0	v 19	71601.728	72900	.57	9.113	1...	H1-1b
35	M70	PL3/8x6	.197	0	10	.548	0	v 21	71260.778	72900	.57	9.113	1...	H1-1b
36	M71	PL3/8x6	.212	.167	10	.490	0	v 21	71601.728	72900	.57	9.113	1...	H1-1b
37	M73	PIPE 3.0	.286	4.687	22	.092	10.469	23	19871.935	65205	5.749	5.749	2...	H1-1b
38	M74	HSS4X4X4	.780	0	17	.133	0	v 18	94992.829	109188	12.663	12.663	2...	H1-1b
39	M75B	PL1/2X6	.297	.547	12	.138	1.094	v 7	62895.024	97200	1.012	12.15	1...	H1-1b
40	M76	L2x2x3	.161	4.291	6	.018	4.291	v 18	9300.124	23392.8	.558	1.075	1...	H2-1
41	M77	L2x2x3	.151	0	4	.022	0	v 16	9294.632	23392.8	.558	1.08	1...	H2-1
42	M80B	PL1/2X6	.061	.125	5	.087	.125	v 13	96648.928	97200	1.012	12.15	1...	H1-1b
43	M82	PL1/2X6	.061	.125	5	.131	0	v 26	96648.928	97200	1.012	12.15	1...	H1-1b
44	MP4B	PIPE 2.0	.347	4.063	21	.157	.5	10	20866.733	32130	1.872	1.872	2...	H1-1b





Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 12:28 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	
45	MP3B	PIPE 2.0	.357	4.063	21	.113	2.938	11	20866.733	32130	1.872	1.872	2...	H1-1b	
46	MP2B	PIPE 2.0	.399	4.063	2	.069	4.063	3	20866.733	32130	1.872	1.872	2...	H1-1b	
47	MP1B	PIPE 2.0	.584	4.063	13	.175	.5	12	20866.733	32130	1.872	1.872	2...	H1-1b	
48	M96	PIPE 2.0	.324	7.969	13	.079	7.969	4	8957.595	32130	1.872	1.872	1...	H1-1b	
49	M97	HSS4X4X3	.357	2.406	18	.089	2.406	y	17	82081.458	83592	9.909	9.909	1...	H1-1b
50	M98	HSS4X4X3	.379	0	16	.086	0	y	18	82081.458	83592	9.909	9.909	1...	H1-1b
51	M103	PL3/8x6	.190	0	5	.633	0	y	14	71260.778	72900	.57	9.113	1...	H1-1b
52	M104	PL3/8x6	.220	.167	10	.528	0	y	17	71601.728	72900	.57	9.113	1...	H1-1b
53	M106	PL3/8x6	.199	0	6	.511	0	y	17	71260.778	72900	.57	9.113	1...	H1-1b
54	M107	PL3/8x6	.224	.167	12	.506	0	y	17	71601.728	72900	.57	9.113	1...	H1-1b
55	OVP1	PIPE 2.0	.133	3	6	.013	3	6	26521.424	32130	1.872	1.872	1...	H1-1b	
56	OVP2	PIPE 2.0	.133	3	6	.013	3	6	26521.424	32130	1.872	1.872	1...	H1-1b	
57	M119	L2.5x2.5x4	.323	.926	11	.145	0	y	12	37491.322	38556	1.114	2.537	1...	H2-1
58	M120	L2.5x2.5x4	.340	.926	7	.151	0	z	11	37491.322	38556	1.114	2.537	1...	H2-1
59	M121	L2.5x2.5x4	.336	0	3	.150	0	z	4	37491.322	38556	1.114	2.537	1...	H2-1
60	M122	PIPE 2.0	.330	2.511	21	.109	6.986	7	8957.608	32130	1.872	1.872	3...	H1-1b	
61	M123	PIPE 2.0	.333	6.986	13	.334	6.986	9	8957.608	32130	1.872	1.872	1...	H1-1b	
62	M124	PIPE 2.0	.268	3.995	21	.105	1.941	11	22417.485	32130	1.872	1.872	3...	H1-1b	

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

Custom Orientation Required

No

Tower Connection Bolt Checks

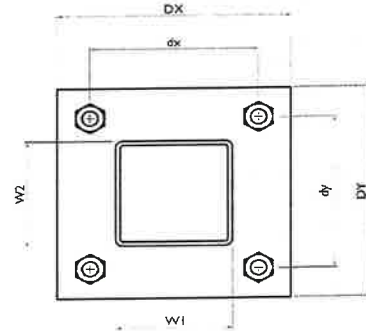
Yes

Bolt Orientation

Parallel

Bolt Quantity per Reaction:  
 $d_x$  (in) (Delta X of typ. bolt config. sketch):  
 $d_y$  (in) (Delta Y of typ. bolt config. sketch):  
 Bolt Type:  
 Bolt Diameter (in):  
 Required Tensile Strength / bolt (kips):  
 Required Shear Strength / bolt (kips):  
 Tensile Capacity / bolt (kips):  
 Shear Capacity / bolt (kips):  
 Bolt Overall Utilization:

4
8
8
A325N
0.625
7.5
1.2
20.7
12.4
36.2%

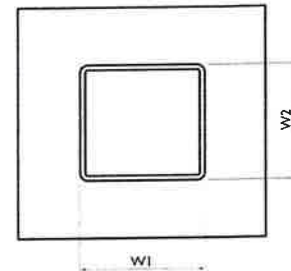


Tower Connection Baseplate Checks

Yes

Connecting Standoff Member Shape:  
 Weld Stiffener Configuration:  
 Plate Width,  $D_x$  (in):  
 Plate Height,  $D_y$  (in):  
 $W1$  (in):  
 $W2$  (in):  
 Member Thickness (in):  
 Stiffener location  $a_1$  (in):  
 Stiffener location  $b_1$  (in):  
 Stiffener location  $a_2$  (in):  
 Stiffener location  $b_2$  (in):  
 $F_y$  (ksi, plate):  
 Plate Thickness (in):  
 Length of Yield Line,  $L_y$  (in):  
 Bolt Eccentricity,  $e$  (in):  
 $M_u$  (kip-in):  
 $\Phi * M_n$  (kip-in):  
 Plate Bending Utilization:

Rect Tube
No Stiffeners
10
10
4
4
0.25
36
0.625
7.85
3.06
22.93
24.84
92.3%



**VzW**  
**SMART Tool®**  
**Vendor**

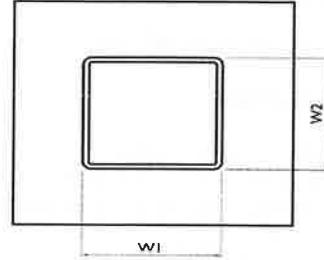
Client: Verizon Wireless Date: 7/20/2023  
 Site Name: SIMSBURY CT  
 MDG #: 5000384597  
 Fuze ID #: 17123879 Page: 2

Version 1.01

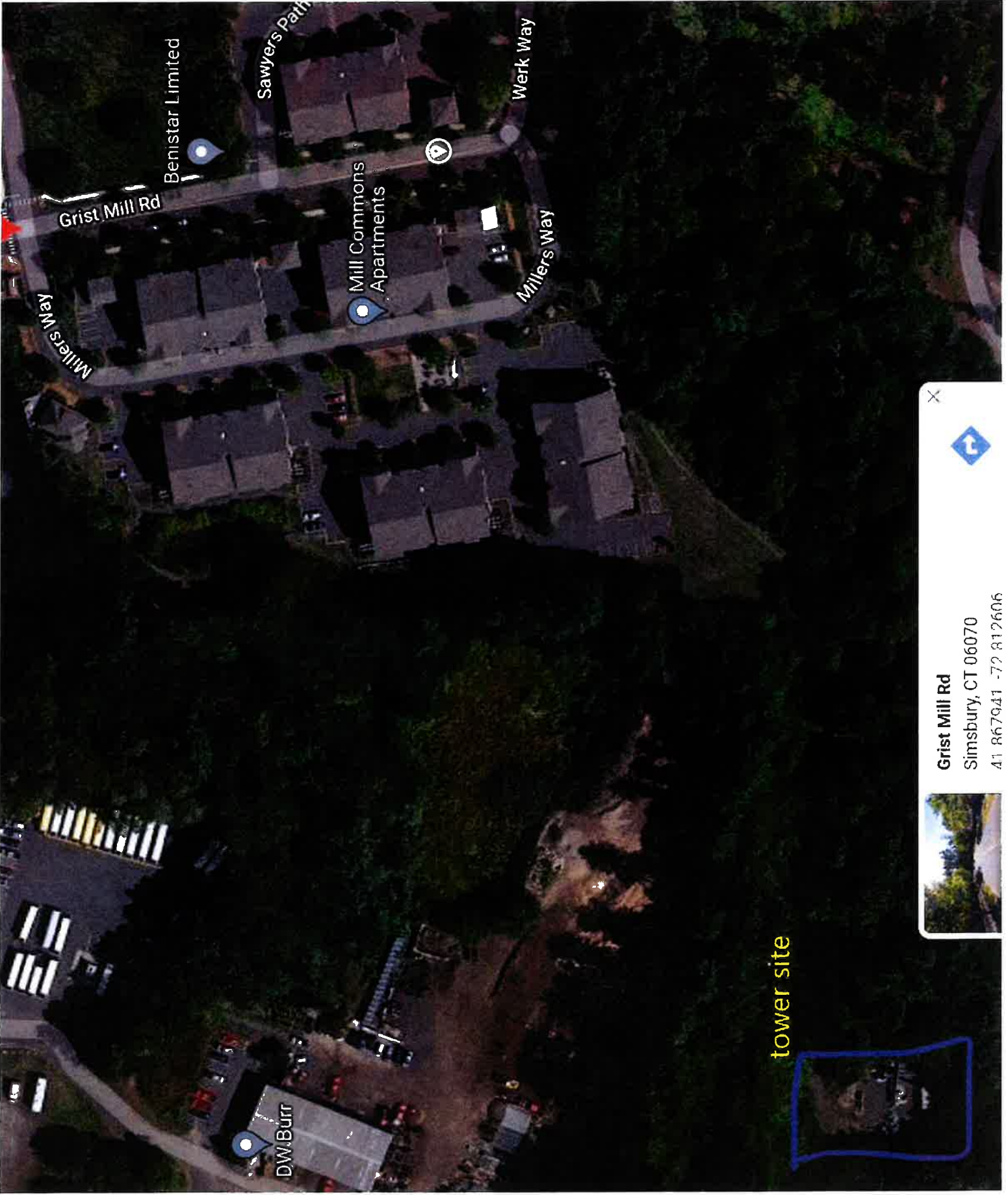
Tower Connection Weld Checks

Weld Shape:  
 Weld Stiffener Configuration:  
 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
6
4
4
16.00
21.33
21.33
85.33
2.25
2.25
3.73
8.35
44.7%



# **ATTACHMENT 4**



tower site

Grist Mill Rd  
Simsbury, CT 06070  
41 867941 -72 812606





# Town of Simsbury, CT

## Property Listing Report

Map Block Lot

F11 103 005

Building #

Unique Identifier

30569027

### Property Information

Property Location	225 GRIST MILL ROAD
Mailing Address	999 17TH STREET SUITE 901 DENVER CO 80202
Land Use	Commercial Vacant Land
Zoning Code	I-2
Neighborhood	0239

Owner	ENSIGN-BICKFORD REALTY CORPORATION
Co-Owner	
Book / Page	0294/0600
Land Class	Commercial
Census Tract	
Acreage	0.23

### Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	0	0
Outbuildings	120000	84000
Land	537600	376320
<b>Total</b>	<b>657600</b>	<b>460320</b>

### Utility Information

Electric	No
Gas	No
Sewer	No
Public Water	No
Well	No



No Photo Available



No Photo Available

### Primary Construction Details

Year Built	
Building Desc.	
Building Style	
Stories	
Exterior Walls	
Exterior Walls 2	
Interior Walls	
Interior Walls 2	
Interior Floors 1	
Interior Floors 2	

Heating Fuel	
Heating Type	
AC Type	
Bedrooms	
Full Bathrooms	
Half Bathrooms	
Extra Fixtures	
Total Rooms	
Bath Style	
Kitchen Style	
Occupancy	

Livable Area (ft)	
Building Use	
Building Condition	
Frame Type	
Building Grade	
Fireplaces	
Wood Stoves	
Attic Access	
Roof Style	
Roof Cover	

Bsmt Area	
Fin Bsmt Area	
Fin Bsmt Quality	
Bsmt Access	
Bsmt Gar	
Bsmt Sump Pump	



**Town of Simsbury, CT**

Property Listing Report

Map Block Lot

**F11 103 005**

Building #

Unique Identifier

**30569027**

**Detached Outbuildings**

Type	Description	Area (sq ft)	Condition	Year Built
Tower	Cell Tower	1	Average	0

**Attached Extra Features**

Type	Description	Area (sq ft)	Condition	Year Built



**Sales History**

Owner of Record	Book/ Page	Sale Date	Sale Price
ENSIGN-BICKFORD REALTY CORPORATION	0294_0600	11/25/1985	0

# **ATTACHMENT 5**





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>			
	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.	Wendy Mackstutis, First Selectman Town of Simsbury 933 Hopmeadow Street Simsbury, CT 06070				
2.	George McGregor, Director of Community Planning and Development Town of Simsbury 933 Hopmeadow Street Simsbury, CT 06070				
3.	Ensign Bickford Realty Corporation. 999 17 <sup>th</sup> Street, Suite 901 Denver, CO 80202				
4.					
5.					
6.					

