# **Robinson+Cole**

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Also admitted in Massachusetts and New York

September 11, 2023

Melanie A. Bachman, Esq. Executive Director/Staff Attorney Connecticut Siting Council 10 Franklin Square New Britain, CT 06051

#### Re: Notice of Exempt Modification – Facility Modification 347 Riverside Drive, Thompson, 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 and Cellco's use of the tower was approved by the Siting Council ("Council") in August of 2008 (Docket No. 358). A copy of the Council's Docket No. 358 Decision and Order is included in <u>Attachment 1</u>.

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

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 Thompson's Chief Elected Official and Land Use Officer.

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

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

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Melanie A. Bachman, Esq. September 11, 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 <u>Attachment 3</u>.

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

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,

mu Cuniel

Kenneth C. Baldwin

Enclosures Copy to:

> Amy St. Onge, First Selectman Tyra Penn-Gesek, Director of Planning and Zoning Mary and Rene Santerre, Trustees, Property Owner Alex Tyurin, Verizon Wireless

# **ATTACHMENT 1**

<b>DOCKET NO. 358</b> – MCF Communications bg, Inc. and Cellco }	Connecticut
Partnership d/b/a Verizon Wireless application for a Certificate of	0:4:
Environmental Compatibility and Public Need for the }	Siting
construction, maintenance and operation of a telecommunications	Council
facility at one of two locations located at 347 Riverside Drive }	Council
(Route 12)- Site A, and 407 Riverside Drive (Route 12)- Site B,	August 7, 2008
Thompson, 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, 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 MCF Communications bg, Inc. and Cellco Partnership d/b/a Verizon Wireless (Cellco), hereinafter referred to as the Certificate Holders, for a telecommunications facility at Site A, located at 347 Riverside Drive, Thompson, Connecticut. The Council denies certification of Site B, located at 407 Riverside Drive, Thompson, 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 Cellco and other entities, both public and private, but such tower shall not exceed a height of 140 feet above ground level. The height at the top of the antennas shall not exceed 140 feet above ground level.
- 2. The Certificate Holders shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Thompson for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
  - a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line, and landscaping; and
  - b) construction plans for site clearing, grading, landscaping, water drainage, and erosion and sedimentation controls consistent with the <u>2002 Connecticut Guidelines for Soil Erosion and Sediment Control</u>, as amended.
- 3. The Certificate Holders shall, prior to the commencement of operation, provide the Council worstcase modeling of the 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 Holders shall ensure a recalculated report of the electromagnetic radio frequency power density be submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

- 4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
- 5. The Certificate Holders shall permit public or private entities to share space on the tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
- 6. The Certificate Holders shall provide reasonable space on the tower for no compensation for any Town of Thompson public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.
- 7. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holders 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. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.
- 8. Any request for extension of the time period referred to in Condition 7 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Thompson. Any proposed modifications to this Decision and Order shall likewise be so served.
- 9. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holders 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.
- 10. The Certificate Holders shall remove any nonfunctioning antenna, and associated antenna equipment, within 60 days of the date the antenna ceased to function.
- 11. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holders shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holders shall provide the Council with written notice of the completion of site construction and the commencement of site operation.

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

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.

Docket No. 358 Decision and Order Page 3

The parties and intervenors to this proceeding are:

#### Applicant

MCF Communications bg, Inc. and Cellco Partnership d/b/a Verizon Wireless

#### Representatives

Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, Connecticut 06103-3597 (860) 275-8200 kbalwin@rc.com

Brad Gannon MCF Communications bg, Inc. 733 Turnpike Street, Suite 105 North Andover, MA 01845

Sandy Carter, Regulatory Manager Verizon Wireless 99 East River Drive East Hartford, CT 06108 alexandria.carter@verizonwireless.com

#### Representative

Richard W. Thunberg Jr. Board President Thompson Hills West Condominium Association Board of Trustee's 13 Westside Drive, Suite 92 North Grosvenordale, CT 06255 (860) 923-1919 WThunberg@aol.com

#### Intervenor

Thompson Hills West Condominium Association

# **ATTACHMENT 2**

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



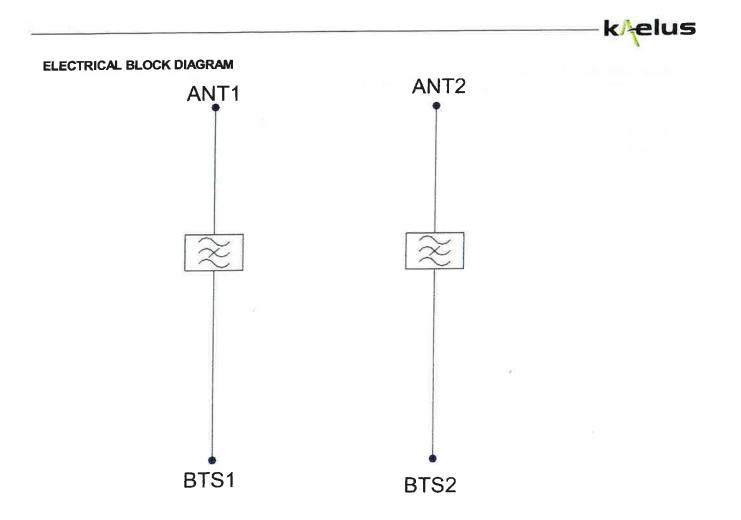
#### TECHNICAL SPECIFICATIONS

BANEMANE	ZUD PATHI BRANPLAK PATH	SED BRANNING AND A VIEW					
Passband	698 - 849MHz	869 - 891,5MHz					
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum					
Return loss	24dB typical,	18dB minimum					
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz					
Rejection	53dB minimum @	894.1 - 896.5MHz					
ELECTRICAL							
Impedance		Dhars					
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm						
DC / AISG							
Passband	0 - 1	3MHz					
Insertion loss	0.3dB n	naximum					
Return loss	15dB n	ท่งทัศนศา					
Input voltage range	± 33V						
DC current rating	2A continuous, 4A peak						
Compliance	3GPP TS 25,461						
ENVIRONMENTAL							
For further details of environmental co							
Temperature range	-20°C to +60°C	-4°F to +140°F					
Ingress protection	iP	67					
Altitude		; 8530ft					
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 - Unit r	must be terminated with some lightning protection circuits.					
MTBF		100 hours					
Compliance	ETSI EN 300 019 class 4,1H,	RoHS, NEBS GR-487-CORE					
MECHANICAL							
Dimensions H x D x W	269 x 277 x 80mm   10.60 x 10.90 x 3.15in (Excluding brackets and connectors)						
Weight	8.0 kg   17.6 lb						
Finish	Powder coated, lig	ht grey (RAL7035)					
Connectors	RF: 4.3-1						
Mounting	Optional pole/wall bracket supplied with two metal clamps 4 inform	45-178mm diameter poles or custom bracket. See orderin ation.					



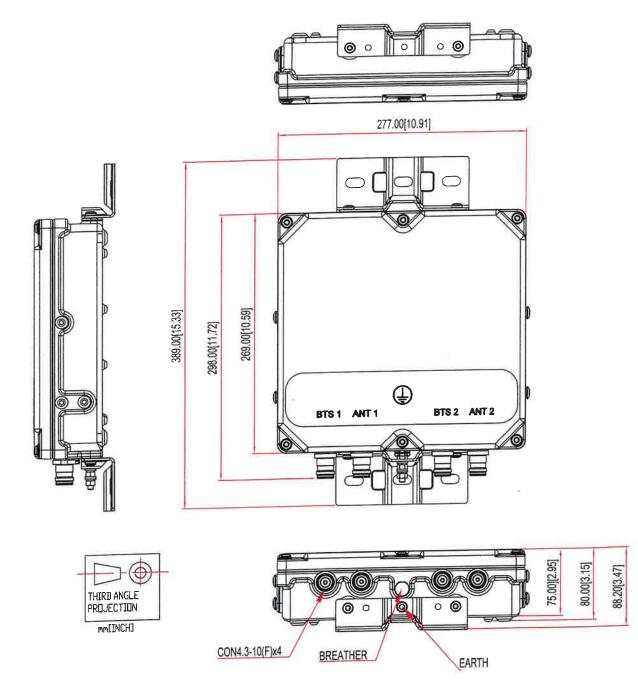
#### ORDERING INFORMATION

	CONFIGURATION	OPTIONAL FEATURES	CONMERTINE
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)





## MECHANICAL BLOCK DIAGRAM



# **ATTACHMENT 3**



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

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# **Structural Analysis Report**

#### **Client: Verizon**

Client Site ID / Name: 5000055445 / Thompson 2 CT Application #: 233788, v1

SBA Site ID / Name: CT28285-A / Thompson 3 CT

139 ft Monopole

347 Riverside Drive North Grosvenordale, Connecticut 06255 Lat: 41.953194, Long: -71.883631

Project number: CT28285-VZW-080423

#### **Analysis Results**

40.8%	Pass
31.0%	Pass
	40.8% 31.0%

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

Prepared by:

Reviewed by:

Liliana Noda Vazquez Structural Engineer I 561-981-9964 LVazquez@sbasite.com Anantha (Shan) Shanubhogue, P.E. Senior Manager, Structural Engineering 561-984-7390 SShanubhogue@sbasite.com

August 9, 2023



Table of Contents	
Introduction	
Analysis Criteria	
Appurtenance Loading	4
Existing Loading:	
Proposed Loading:	
Analysis Results	
Tower	
Foundation	
Conclusions	
Installation Requirements	
Assumptions and Limitations	
Assumptions	
Limitations	7
Appendix	
Tower Geometry	
Coax Layout	
TESPole Report	
Foundation Analysis Report	



# Introduction

The purpose of this report is to summarize the analysis results on the 139 ft Monopole to support the proposed antennas and transmissions lines in addition to those currently installed.

Document Item Davinci Job # 08243-1920, dated 12/30/2008 Tower design/drawings Davinci Job # 08243-1920, dated 12/30/2008 Foundation drawings Subsurface Drilling & Remediation Co. Project name: D&R Masonry. Dated 09/24/2008 **Geotechnical report** (Boring Log) Geotechnical parameters taken from original design calculations. Modification drawings N/A Colliers Engineering & Design CT, PC Project #: 23777167, dated 07/24/2023 **Mount Analysis** PJF Project A42921-0009.002.7805\_Revised Loading, dated 09/10/2021 Latest SA

Table 1 List of Documents Used

## Analysis Criteria

Table 2 Code Related Data	
Jurisdiction (State/County/City)	Connecticut/WINDHAM/North Grosvenordale
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 CSBC
Ultimate Wind Speed (3-Sec gust)	120.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.00"
Risk Category	
Exposure Category	C
Topographic Category	1
Crest Height	Oft
Ground Elevation	332.65 ft.
Seismic Parameter Ss	0.184
Seismic Parameter S <sub>1</sub>	0.055

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



# Appurtenance Loading

### **Existing Loading:**

## Table 3 Existing Appurtenances

ltems	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1		3	Andrew LNX-6514DS-A1M - Panel			
2		3	Samsung MT6407-77A - Panel	LPP w/ handrail, (3) Dual	(6) 1 5/8"	
3	137.0	6	Andrew SBNHH-1D65B - Panel	antennas mount	(2) 1 5/8"	
4	157.0	3	Samsung B2/B66A RRH-BR049	[Commscope BSAMNT-	Hybrid	Verizon
5		3	Samsung B5/B13 RRH-BR04C	SBS-2-2]	(1) 1/2"	
6		2	Raycap RC3DC-3315-PF-48			

## **Proposed Loading:**

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 233788, v1 from Verizon and is listed in Table 4.

ltems	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1		3	Andrew LNX-6514DS-A1M - Panel		_	
2		3	Samsung MT6407-77A - Panel	1	(6) 1 5/8"	
3		6	Andrew SBNHH-1D65B - Panel	LPP w/ handrail, (3) Dual	(2) 1 5/8"	
4	137.0	3	Samsung B2/B66A RRH-BR049	antennas mount	Hybrid	Verizon
5		3	Samsung B5/B13 RRH-BR04C	[Commscope BSAMNT-	(1) 1/2"	
6	II 22 II	2	Raycap RC3DC-3315-PF-48	- SBS-2-2]		
7		2	Kaelus KA-6030 [Filter]			

Table 4 Proposed Appurtenances



# **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.

	Pole shafts	Anchor Bolts	Base Plate	Flange Bolts	
Max. Usage:	31.4%	33.1%	24.4%	40.8%	
Pass/Fail	Pass	Pass	Pass	Pass	

## Foundation

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

Table 6 Foundation Analysis Summary

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



# Conclusions

Based on the analysis results, the existing tower and foundation were found to be <u>sufficient</u> 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

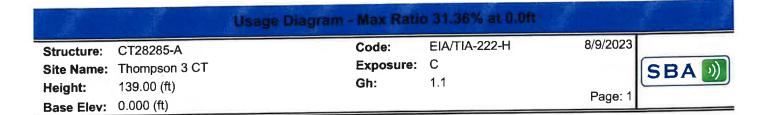
The computer generated analysis performed by the tower software is limited to theoretical capacities of the towers structural members and does not account for any missing or damaged members or connections. The tower and foundation are assumed to have been properly designed, fabricated, installed and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

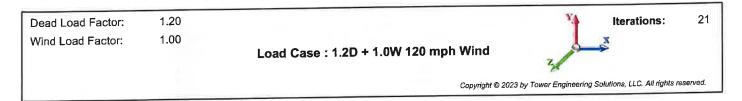
SBA Communications Corporation has used its due diligence to verify the information provided to perform this analysis. It is unreasonable to perform a more detailed inspection of a tower and its components. This report is not a condition assessment of the tower or foundation.

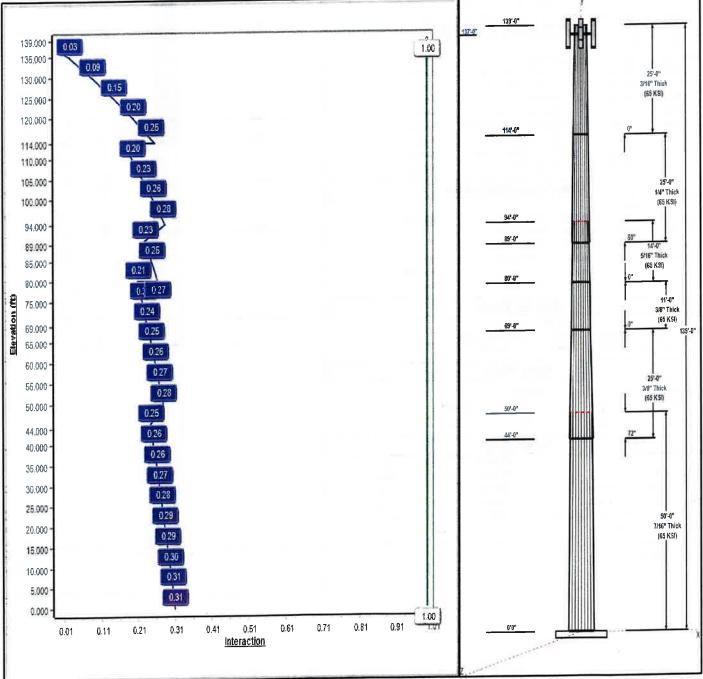


Appendix



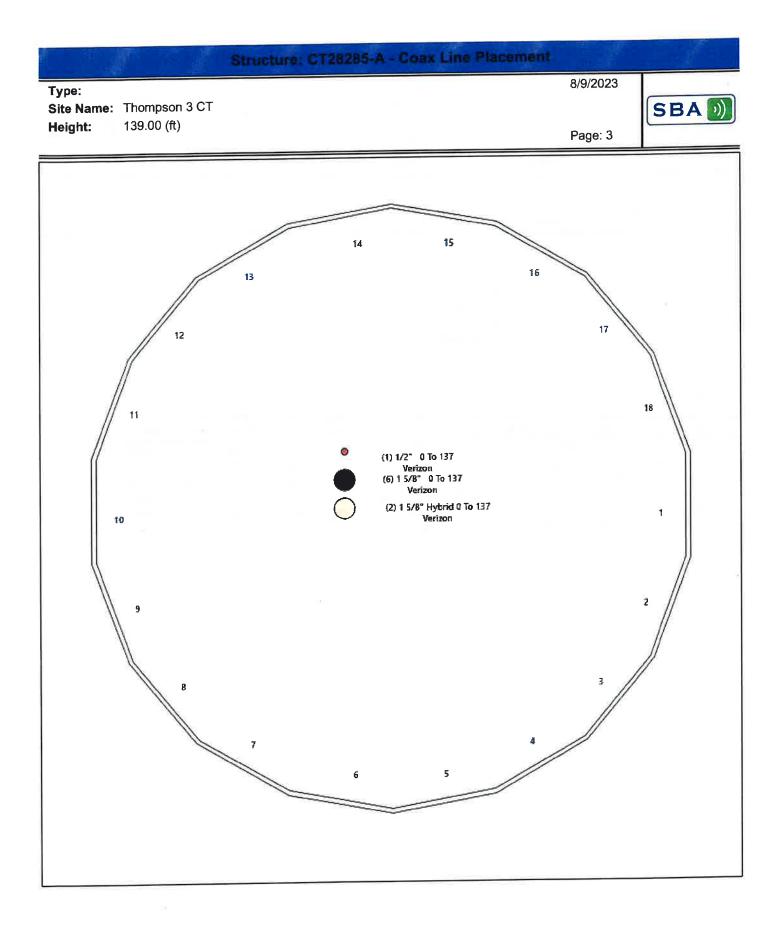






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Base	e Elev:	0.00 (ft)										Page: 2	_	
			Shaft	Proper	ties							у		
	Length	Тор	Bottom	Thick	Joint		_	Grade	1	139'-0"				
Seq	(ft)	(in)	(in)	(in)	Туре	Таре	eΓ	(ksi)	137-0					1 1
1	50.00		55.63	0.438		0.236		65						
2 3	25.00 11.00	40.06 37.46	45.97	0.375	Slip	0.236		65						
4	14.00	34.14	40.06 37.46	0.375 0.313	Butt Butt	0.236 0.236		65 65						25"-0" 3/16" Thick
5	25.00	29.91	35.83	0.250	Slip	0.236		65						(65 KSI)
6	25.00	24.00	29.91	0.188	Butt	0.236		65						-
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137.0 137.0		7.00 3 7.00 3		14DS-A1M		Verizon								1/4" Thick
137.0		.00 3 7.00 6		-1D65B		Verizon Verizon			b	94'-0"				(65 K SI)
137.0		.00 3		A RRH-BR	049	Verizon				04-0	-8		-	
137.0	0 137	.00 3		RRH-BR04		Verizon				89'-0"	-		60"	
137.0		.00 2		-3315-PF-4	18	Verizon								14'-0" 5/16" Thick
137.0	0 137	.00 2	Kaelus	KA-6030		Verizon				80'-0"				(65 KSI)
			пеаг Ар	opurten	ances						-0.		-	<u> </u>
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0.00	139.0		de Ster	bolts (lade	der)									135-0
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			SI	haft Propertie	8		
Structure:	CT28285-A			Code:	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT			Exposure:	С	-, -,	
Height:	139.00 (ft)			Crest Height:	0.00		SBA
Base Elev:	0.000 (ft)			Site Class:	D - Stiff Soil		<b>UDA</b>
Gh:	1.1	Topography:	1	Struct Class:	I	Page: 4	

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (Ib)
1	18	50.000	0.4375	65		0.00	11,642
2	18	25.000	0.3750	65	Slip	72.00	4,317
3	18	11.000	0.3750	65	Flange	0.00	1,710
4	18	14.000	0.3125	65	Flange	0.00	1,677
5	18	25.000	0.2500	65	Slip	60.00	2,202
6	18	25.000	0.1875	65	Flange	0.00	1,355
					Total Sha	ft Weight:	22,903

	Bottom Top													
Sec. No.	Dia (in)	Elev (ft)	Area (sqin)	lx (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	lx (in^4)	W/t Ratio	D/t Ratio	Taper	
1	55.63	0.00	76.64	29495.97	21.01	127.15	43.80	50.00	60.22	14306.8	16.24	100.1	0.236547	
2	45.97	44.00	54.27	14255.51	20.21	122.59	40.06	69.00	47.23	9397.19	17.42	106.8	0.236547	
3	40.06	69.00	47.23	9397.19	17.42	106.82	37.46	80.00	44.13	7667.24	16.20	99.88	0.236547	
4	37.46	80.00	36.84	6421.73	19.72	119.86	34.14	94.00	33.56	4852.68	17.86	109.2	0.236547	
5	35.83	89.00	28.23	4514.45	23.86	143.31	29.91	114.00	23.54	2616.73	19.69	119.6	0.236547	
6	29.91	114.0	17.69	1974.98	26.72	1 <b>59.54</b>	24.00	139.00	14.17	1015.22	21.16	128.0	0.236547	

#### Load Summary

							and the second s
Structure:	CT28285-A			Code:	TIA-222-H	8/9/2023	
•	Thompson 3 CT			Exposure:	С		
Height:	139.00 (ft)			Crest Height:	0.00	-	SBA 题
Base Elev:	0.000 (ft)			Site Class:	D - Stiff Soil		
Gh:	1.1	Topography:	1	Struct Class:	1	Page: 5	

#### **Discrete Appurtenances**

					No Ice			Ice			
No.	Elev (ft) Desc	ription	Qty	Weight (Ib)	CaAa (sf)	CaAa Factor	Weight (Ib)	CaAa (sf)	Ca <b>Aa</b> Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
-	137.00 Low profile platfor	m	1	2224.79	50.20	1.00	3763.87	73.352	1.00	0.00	0.00
1	137.00 LNX-6514DS-A1		3	32.10	9.20	0.83	171.85	10.091	0.85	0.00	0.00
2		VI	3	87.10	4.68	0.70	160.93	5.276	0.71	0.00	0.00
3	137.00 MT6407-77A		6	40.00	8.16	0.83	166.62	8,992	0.84	0.00	0.00
4	137.00 SBNHH-1D65B		3	84.40	1.88	0.83	117.91	2.240	0.85	0.00	0.00
5	137.00 B2/B66A RRH-BF		_	70.30	1.88	0.77	102.11	2.240	0.79	0.00	0.00
6	137.00 B5/B13 RRH-BR0		3			0.83	85.39	3.467	0.84	0.00	0.00
7	137.00 RC3DC-3315-PF	-48	2	32.00	3.01					0.00	0.00
8	137.00 Kaelus KA-6030		2	17.60	0.96	0.83	32.97	1.222	0.84	0.00	0.00
		Totals:	23	3,385.69			6,658.75				

#### Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed	
0.00	139.00	(1) Safety Cable	0.38	Outside	
0.00			0.63	Outside	
0.00			0.00	Inside	
0.00			0.00	Inside	
0.00	137.00		0.00	Inside	

Structure:	CT28285-A			Code:	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT			Exposure:	С		
Height:	139.00 (ft)			Crest Height:	0.00		SBA
Base Elev:	0.000 (ft)			Site Class:	D - Stiff Soil		
Gh:	1.1	Topography:	1	Struct Class:	11	Page: 6	

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	lx (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (Ib)
0.00		0.4375	55.630	76.639	29496.0	21.01	127.15	- <u>}(-</u>	1044.	0.0
5.00		0.4375	54.447	74.997	27640.1	20.53	124.45		999.9	1290.0
10.00		0.4375	53.265	73.354	25863.7	20.06	121,75		956.4	1262.0
15.00		0.4375	52.082	71.712	24165.2	19.58	119.04		913.9	1234.1
20.00		0.4375	50.899	70.070	22542.6	19.10	116.34	78.9		1206.1
25.00		0.4375	49.716	68.427	20994.4	18.63	113.64	79.5	831.7	1178.2
30.00		0.4375	48.534	66.785	19518.7	18.15	110.93		792.1	1150.2
35.00		0.4375	47.351	65.143	18113.9	17.67	108.23		753.5	1122.3
10.00		0.4375	46.168	63.500	16778.1	17.20	105.53		715.8	1094.4
44.00	Bot - Section 2	0.4375	45.222	62.187	15758.1	16.82	103.36		686.3	855.4
15.00		0.4375	44.985	61.858	15509.7	16.72	102.82		679.1	395.2
50.00	Top - Section 1	0.3750	44.553	52.581	12965.3	19.54	118.81	0.0	0.0	1945.1
55.00		0.3750	43.370	51.173	11951.6	18.98	115.65		542.8	882.6
60.00		0.3750	42.187	49.765	10992.2	18.43	112.50		513.2	858.7
5.00		0.3750	41.004	48.357	10085.5	17.87	109.35		484.5	834.7
69.00	Top - Section 2	0.3750	40.058	47.231	9397.2	17.42	106.82		462.0	650.5
69.00	Bot - Section 3	0.3750	40.058	47.231	9397.2	17.42	106.82		462.0	
0.00		0.3750	39.822	46.950	9230.1	17.31	106.19		456.5	160.2
75.00		0.3750	38.639	45.542	8424.5	16.76	103.04		429.4	786.8
30.00	Top - Section 3	0.3750	37.456	44.134	7667.2	16.20	99.88		403.2	762.9
30.00	Bot - Section 4	0.3125	37.456	36.841	6421.7	19.44	119.86		337.7	. 02.0
35.00	e.	0.3125	36.274	35.668	5827.6	19.06	116.08		316.4	616.8
9.00	Bot - Section 5	0.3125	35.327	34.729	5379.6	18.52	113.05		299.9	479.1
00.00		0.3125	35.091	34.494	5271.3	18.39	112.29		295.9	213.5
94.00	Top - Section 4	0.2500	34.645	27.291	4079.0	23.02	138.58	0.0	0.0	839.7
5.00		0.2500	34.408	27.103	3995.4	22.86	137.63		228.7	92.5
00.00		0.2500	33.225	26.165	3594.6	22.02	132.90		213.1	453.2
)5.00		0.2500	32.043	25.227	3221.5	21.19	128.17		198.0	437.2
0.00		0.2500	30.860	24.288	2875.2	20.36	123.44		183.5	421.2
4.00	Top - Section 5	0.2500	29.914	23.537	2616.7	19.69	119.65		172.3	325.5
4.00	Bot - Section 6	0.1875	29.914	17.690	1975.0	26.25	159.54		130.0	
5.00		0.1875	29.677	17.549	1928.2	26.50	158.28		128.0	60.0
0.00		0.1875	28.494	16.846	1705.4	25.39	151.97		117.9	292.6
5.00		0.1875	27.312	16.142	1500.4	24.27	145.66		108.2	280.6
0.00		0.1875	26.129	15.438	1312.6	23.16	139.35	74.2	98.9	268.6
5.00		0.1875	24.946	14.734	1141.1	22.05	133.05	75.5	90.1	256.7
7.00		0.1875	24.473	14.452	1076.9	21.60	130.52	76.0	86.7	99.3
9.00		0.1875	24.000	14.171	1015.2	21.16	128.00	76.5	83.3	97.4
										22903.3

	0700005 4			Code:	TIA-222-H	8/9/2023	
structure:	CT28285-A					0.0.2020	
Site Name:	Thompson 3 CT			Exposure:	С	C	
leight:	139.00 (ft)			Crest Height:	0.00		SBA 🕖
	0.000 (ft)			Site Class:	D - Stiff Soil		
ih:	1.1	Topography:	1	Struct Class:		Page: 7	
Lood Case	: 1.2D + 1.0W 12	) mph Wind				iter:	ations 2
LUdu Gase						A A	
	ad Load Factor	1.20				and the second s	

Elev (ft) De	escription	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Aa (sf)	CTAa (sf)	(Ib)	(Ib)	(lb)
0.00		1.00	0.85	29.411	32.35	517.67	0.730	0.000	0.00	0.000	0.00	0.0		0.0
5.00		1.00		29.411	32.35	506.66	0.730	0.000		23.287	17.00	550.0		1547.9
10.00		1.00	0.85	29.411	32.35	495.66	0.730	0.000		22.786	16.63	538.1	0.0	1514.4
15.00		1.00		29.411	32.35	484.65	0.730	0.000		22.286	16.27	526.3		1480.9
20.00		1.00		31.207	34.33	487.89	0.730	0.000		21.785	15.90	545.9		1447.4
25.00		1.00		32.708	35.98	487.88	0.730	0.000		21.285	15.54	559.0		1413.8
30.00		1.00		33.988	37.39	485.50	0.730	0.000		20.784	15.17	567.3		1380.3
35.00		1.00		35.109	38.62	481.42	0.730	0.000		20.284	14.81	571.9		1346.8
40.00		1.00		36.110	39.72	476.04	0.730	0.000		19.784	14.44	573.6		1313.2
44.00 Bot - Se	ection 2	1.00		36.841	40.53	470.98	0.730	0.000		15.467	11.29	457.6		1026.4
45.00		1.00		37.016	40.72	469.63	0.730	0.000	1.00	3.880	2.83	115.3		474.3
50.00 Top - Se	ection 1	1.00		37.846	41.63	462.38	0.730	0.000		19.100	13.94	580.5		2334.1
55.00	oodon i	1.00		38.614	42.47	462.43	0.730	0.000		18.600	13.58	576.7		1059.1
60.00		1.00		39.327	43.26	453.96	0.730	0.000		18.099	13.21	571.6		1030.4
65.00		1.00		39.996	44.00	444.96	0.730	0.000		17.599	12.85	565.2		1001.7
69.00 Top - Se	ection 2	1.00		40.502	44.55	437.44	0.730	0.000		13.719	10.01	446.2		780.6
70.00		1.00	1.17	40.625	44.69	435.51	0.730	0.000	1.00		2.47	110.3		192.3
75.00		1.00		41.219	45.34	425.66	0.730	0.000		16.598	12.12	549.4		944.2
80.00 Top - Se	ection 3	1.00	1.21	41.783	45.96	415.44	0.730	0.000		16.098	11.75	540.1		915.4
85.00		1.00	1.22	42.320	46.55	404.90	0.730	0.000		15.597	11.39	530.0		740.2
89.00 Bot - Se	ection 5	1.00	1.23	42.731	47.00	396.25	0.730	0.000	4.00		8.85	415.8		574.9
90.00		1.00	1.24	42.832	47.12	394.06	0.730	0.000	1.00	3.022	2.21	103.9		256.2
94.00 Top - Se	ection 4	1.00	1.25	43.226	47.55	385.19	0.730	0.000	4.00		8.68	412.6		1007.6
95.00		1.00	1.25	43.322	47.65	388.60	0.730	0.000	1.00	2.922	2.13	101.6		111.1
100.00		1.00	1.27	43.793	48.17	377.27	0.730	0.000		14.308	10.44	503.1		543.8
105.00		1.00	1.28	44.245	48.67	365.72	0.730	0.000		13.807	10.08	490.5		524.6
110.00		1.00	1.29	44.680	49.15	353.95	0.730	0.000		13.307	9.71	477.4		505.5
114.00 Top - Se	ection 5	1.00	1.30	45.017	49.52	344.39	0.730	0.000		10.285	7.51	371.8		390.6
115.00		1.00	1.30	45.100	49.61	341.98	0.730	0.000	1.00		1.84	91.3		71.9
120.00		1.00	1.32	45.506	50.06	329.82	0.730	0.000		12.306	8.98	449.7		351.1
125.00		1.00	1.33	45.899	50.49	317.49	0.730	0.000		11.806	8.62	435.1		336.7
130.00		1.00	1.34	46.279	50.91	305.00	0.730	0.000		11.305	8.25	420.1		322.4
135.00		1.00	1.35	46.649	51.31	292.35	0.730	0.000		10.805	7.89	404.7		308.0
137.00 Appurte	enance(s)	1.00	1.35	46.793	51.47		0.730	0.000	2.00		3.05	157.1		119.2
139.00		1.00	1.36	46.936	51.63	282.13	0.730	0.000	2.00	4.102	2.99	154.6		116.9
								Totals:	139.00			14,464.9	5	27,484.0

				D	iscret	e App	urten	ance	Forces					
St	ructure:	CT28285-A				Co	ode:	-	ГIA-222-ŀ	1	8/9	/2023		
Si	te Name:	Thompson 3 CT				Ex	posure	): (	0					
He	eight:	139.00 (ft)					est Hei		- ).00			10		
	ase Elev:	0.000 (ft)						-					SBA	A []]
						SI	te Class	5: L	D - Stiff S	lio				
GI	n:	1.1	Торо	graphy	: 1	St	ruct Cla	ass: I	1		Pa	age: 8		
L	Dea	: 1.2D + 1.0W 120 Ind Load Factor Ind Load Factor	0 mph 1.20 1.00	Wind							×1	lter	ations	21
No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (Ib)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
	137.00 1.0	u profile alattaras												_
1		w profile platform	1	46.793	51.473	1.00	1.00	50.20	2669.75	0.000	0.000	2583.92	0.00	0.00
2	137.00 LN	X-6514DS-A1M	3	46.793	51.473	1.00 0.62	1.00 0.75	50.20 17.18	2669.75 115.56	0.000 0.000	0.000 0.000	2583.92 884.35	0.00 0.00	0.00
2 3	137.00 LN 137.00 MT	X-6514DS-A1M 6407-77A	3 3	46.793 46.793	51.473 51.473	0.62 0.52	0.75 0.75							
2 3 4	137.00 LN 137.00 MT 137.00 SB	X-6514DS-A1M 6407-77A NHH-1D65B	3 3 6	46.793 46.793 46.793	51.473 51.473 51.473	0.62 0.52 0.62	0.75 0.75 0.75	17.18 7.37 30.48	115.56	0.000	0.000	884.35	0.00	0.0 0.0
2 3 4 5	137.00 LN 137.00 MT 137.00 SB 137.00 B2	X-6514DS-A1M 6407-77A NHH-1D65B /B66A RRH-BR049	3 3 6 3	46.793 46.793 46.793 46.793	51.473 51.473 51.473 51.473	0.62 0.52 0.62 0.62	0.75 0.75 0.75 0.75	17.18 7.37 30.48 3.51	115.56 313.56 288.00 303.84	0.000 0.000 0.000 0.000	0.000 0.000	884.35 379.40	0.00 0.00	0.0 0.0 0.0
2 3 4 5 6	137.00 LN 137.00 MT 137.00 SB 137.00 B2 137.00 B5	X-6514DS-A1M 6407-77A NHH-1D65B /B66A RRH-BR049 /B13 RRH-BR04C	3 3 6 3 3	46.793 46.793 46.793 46.793 46.793	51.473 51.473 51.473 51.473 51.473 51.473	0.62 0.52 0.62 0.62 0.58	0.75 0.75 0.75 0.75 0.75	17.18 7.37 30.48 3.51 3.26	115.56 313.56 288.00 303.84 253.08	0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000	884.35 379.40 1568.76	0.00 0.00 0.00	0.0 0.0 0.0
2	137.00 LN 137.00 MT 137.00 SB 137.00 B2 137.00 B5 137.00 RC	X-6514DS-A1M 6407-77A NHH-1D65B /B66A RRH-BR049	3 3 6 3	46.793 46.793 46.793 46.793	51.473 51.473 51.473 51.473 51.473 51.473 51.473	0.62 0.52 0.62 0.62	0.75 0.75 0.75 0.75	17.18 7.37 30.48 3.51	115.56 313.56 288.00 303.84	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	884.35 379.40 1568.76 180.71	0.00 0.00 0.00 0.00	0.0

			MILLER P	lied Force Su		1972	Contraction of the local distance of the loc
Structure:	CT28285-A			Code:	TIA-222-H	8/9/2023	
	Thompson 3 CT			Exposure:	С		
Height:	139.00 (ft)			Crest Height:	0.00		SBA 🕖
Base Elev:	( )			Site Class:	D - Stiff Soil		
Gh:	1.1	Topography:	1	Struct Class:	11	Page: 9	

2

Dead Load Factor1.20Wind Load Factor1.00

Elev (ft)	Description	Lateral FX (-) (Ib)	Axial FY (-) (lb)	Torsion MY (Ib-ft)	Moment MZ (Ib-ft)		
0.00		0.00	0.00	0.00	0.00		
5.00		549.97	1607.42	0.00	0.00		
10.00		538.15	1573.89	0.00	0.00	7.	
15.00		526.33	1540.36	0.00	0.00		
20.00		545.92	1506.83	0.00	0.00		
25.00		559.03	1473.30	0.00	0.00		
30.00		567.25	1439.77	0.00	0.00		
35.00		571.85	1406.24	0.00	0.00		
40.00		573.65	1372.71	0.00	0.00		
44.00		457.56	1074.03	0.00	0.00		
45.00		115.33	486.18	0.00	0.00		
50.00		580.47	2393.54	0.00	0.00		
55.00		576.72	1118.63	0.00	0.00		
60.00		571.58	1089.89	0.00	0.00		
65.00		565.22	1061.15	0.00	0.00		
69.00		446.18	828.22	0.00	0.00		
70.00		110.25	204.18	0.00	0.00		
75.00		549.38	1003.67	0.00	0.00		
80.00		540.10	974.93	0.00	0.00		
85.00		530.04	799.67	0.00	0.00		
89.00		415.79	622.49	0.00	0.00		
90.00		103.93	268.11	0.00	0.00		
94.00		412.58	1055.21	0.00	0.00		
95.00		101.63	122.95	0.00	0.00		
00.00		503.13	603.26	0.00	0.00		
05.00		490.55	584.10	0.00	0.00		
10.00		477.42	564.94	0.00	0.00		
14.00		371.80	438.16	0.00	0.00		
115.00		91.31	83.84	0.00	0.00		
20.00		449.68	410.59	0.00	0.00		
25.00		435.12	396.22	0.00	0.00		
30.00		420.13	381.85	0.00	0.00		
35.00		404.73	367.48	0.00	0.00		
37.00	(23) attachments	6176.34	4205.80	0.00	0.00		
139.00	(20) attacimento	154.59	120.03	0.00	0.00		
100.00	Totals:	20,483.72	33,179.65	0.00	0.00		

		inear Appurt	enanc	e Segment F	orces (Fact	ored)	
Structure:	CT28285-A			Code:	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT			Exposure:	С		
Height:	139.00 (ft)			<b>Crest Height:</b>	0.00		SBA
Base Elev:	0.000 (ft)			Site Class:	D - Stiff Soil		
Gh:	1.1	Topography:	1	Struct Class:	11	Page: 10	
Load Case:	1.2D + 1.0W 120	0 mph Wind				¥4	terations 21
Dea	d Load Factor	1.20				X	
Win	d Load Factor	1.00				24	
Tan							

5.00Safety CableYes $5.00$ Step bolts (ladder)Yes $10.00$ Safety CableYes $10.00$ Step bolts (ladder)Yes $15.00$ Safety CableYes $15.00$ Step bolts (ladder)Yes $20.00$ Safety CableYes $20.00$ Step bolts (ladder)Yes $20.00$ Step bolts (ladder)Yes $20.00$ Step bolts (ladder)Yes $20.00$ Step bolts (ladder)Yes $25.00$ Safety CableYes $25.00$ Safety CableYes $30.00$ Step bolts (ladder)Yes $30.00$ Step bolts (ladder)Yes $30.00$ Step bolts (ladder)Yes $30.00$ Step bolts (ladder)Yes $40.00$ Safety CableYes $40.00$ Step bolts (ladder)Yes $40.00$ Step bolts (ladder)Yes $44.00$ Step bolts (ladder)Yes $44.00$ Step bolts (ladder)Yes $50.00$ Safety CableYes $50.00$ Safety CableYes $50.00$ Safety CableYes $60.00$ Step bolts (ladder)Yes $60.00$ Step	Fop Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	FX (Ib)	Dead Load (lb)
10.00         Safety Cable         Yes           10.00         Step bolts (ladder)         Yes           15.00         Safety Cable         Yes           15.00         Safety Cable         Yes           20.00         Safety Cable         Yes           20.00         Safety Cable         Yes           20.00         Step bolts (ladder)         Yes           20.00         Step bolts (ladder)         Yes           25.00         Safety Cable         Yes           30.00         Safety Cable         Yes           30.00         Step bolts (ladder)         Yes           30.00         Step bolts (ladder)         Yes           35.00         Safety Cable         Yes           40.00         Safety Cable         Yes           40.00         Safety Cable         Yes           44.00         Step bolts (ladder)         Yes           45.00         Safety Cable         Yes           50.00         Safety Cable         Yes           50.00         Safety Cable         Yes           60.00         Step bolts (ladder)         Yes           65.00         Safety Cable         Yes           65.00 <t< td=""><td>5.00</td><td>Safety Cable</td><td>Yes</td><td>5.00</td><td>0.000</td><td>0.38</td><td>0.16</td><td>0.00</td><td>0.018</td><td>0.000</td><td>29.411</td><td>0.00</td><td>1.64</td></t<>	5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	29.411	0.00	1.64
10.00Step bolts (ladder)Yes15.00Safety CableYes15.00Step bolts (ladder)Yes20.00Step bolts (ladder)Yes20.00Step bolts (ladder)Yes25.00Safety CableYes25.00Safety CableYes30.00Safety CableYes30.00Safety CableYes30.00Safety CableYes30.00Step bolts (ladder)Yes30.00Step bolts (ladder)Yes35.00Safety CableYes35.00Step bolts (ladder)Yes40.00Safety CableYes40.00Safety CableYes44.00Safety CableYes44.00Step bolts (ladder)Yes45.00Safety CableYes45.00Safety CableYes55.00Safety CableYes55.00Safety CableYes60.00Safety CableYes60.00	5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	29.411	0.00	6.24
15.00Safety CableYes15.00Step bolts (ladder)Yes20.00Safety CableYes20.00Step bolts (ladder)Yes25.00Safety CableYes25.00Step bolts (ladder)Yes30.00Safety CableYes30.00Safety CableYes30.00Step bolts (ladder)Yes30.00Step bolts (ladder)Yes35.00Safety CableYes35.00Step bolts (ladder)Yes40.00Safety CableYes40.00Safety CableYes44.00Safety CableYes44.00Safety CableYes45.00Safety CableYes45.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Safety CableYes60.00Safety CableYes65.00Safety CableYes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes80.00Safety CableYes80.00Safety CableYes80.00Safety CableYes80.00Safety Cable </td <td></td> <td></td> <td>Yes</td> <td>5.00</td> <td>0.000</td> <td>0.38</td> <td>0.16</td> <td>0.00</td> <td>0.018</td> <td>0.000</td> <td>29.411</td> <td>0.00</td> <td>1.64</td>			Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	29.411	0.00	1.64
15.00Step bolts (ladder)Yes20.00Safety CableYes20.00Step bolts (ladder)Yes25.00Safety CableYes25.00Step bolts (ladder)Yes30.00Safety CableYes30.00Safety CableYes30.00Step bolts (ladder)Yes35.00Safety CableYes35.00Safety CableYes40.00Safety CableYes40.00Safety CableYes40.00Step bolts (ladder)Yes44.00Safety CableYes44.00Safety CableYes45.00Safety CableYes45.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Safety CableYes60.00Step bolts (ladder)Yes60.00Safety CableYes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes80.00Safety CableYes80.00Safety CableYes80.00Safety CableYes80.00Safety Cable </td <td>10.00</td> <td>Step bolts (ladder)</td> <td>Yes</td> <td>5.00</td> <td>0.000</td> <td>0.63</td> <td>0.26</td> <td>0.00</td> <td>0.018</td> <td>0.000</td> <td>29.411</td> <td>0.00</td> <td>6.24</td>	10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	29.411	0.00	6.24
20.00         Safety Cable         Yes           20.00         Step bolts (ladder)         Yes           25.00         Safety Cable         Yes           25.00         Step bolts (ladder)         Yes           30.00         Safety Cable         Yes           30.00         Safety Cable         Yes           30.00         Step bolts (ladder)         Yes           35.00         Safety Cable         Yes           35.00         Step bolts (ladder)         Yes           40.00         Safety Cable         Yes           40.00         Safety Cable         Yes           44.00         Safety Cable         Yes           44.00         Safety Cable         Yes           45.00         Safety Cable         Yes           45.00         Safety Cable         Yes           50.00         Safety Cable         Yes           50.00         Safety Cable         Yes           55.00         Safety Cable         Yes           60.00         Safety Cable         Yes           65.00         Safety Cable         Yes           65.00         Safety Cable         Yes           65.00         Safety Cable	15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	29.411	0.00	1.64
20.00         Step bolts (ladder)         Yes           25.00         Safety Cable         Yes           30.00         Step bolts (ladder)         Yes           35.00         Safety Cable         Yes           35.00         Step bolts (ladder)         Yes           40.00         Safety Cable         Yes           40.00         Step bolts (ladder)         Yes           44.00         Safety Cable         Yes           44.00         Step bolts (ladder)         Yes           45.00         Safety Cable         Yes           50.00         Safety Cable         Yes           50.00         Safety Cable         Yes           55.00         Safety Cable         Yes           60.00         Step bolts (ladder)         Yes           60.00         Safety Cable         Yes           65.00         Safety Cable         Yes           65.00         Safety Cable         Yes           69.00         Safety Cable         Yes           70.00 </td <td>15.00</td> <td>Step bolts (ladder)</td> <td>Yes</td> <td>5.00</td> <td>0.000</td> <td>0.63</td> <td>0.26</td> <td>0.00</td> <td>0.019</td> <td>0.000</td> <td>29.411</td> <td>0.00</td> <td>6.24</td>	15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	29.411	0.00	6.24
25.00         Safety Cable         Yes           25.00         Step bolts (ladder)         Yes           30.00         Safety Cable         Yes           30.00         Step bolts (ladder)         Yes           30.00         Step bolts (ladder)         Yes           35.00         Safety Cable         Yes           35.00         Step bolts (ladder)         Yes           40.00         Safety Cable         Yes           40.00         Safety Cable         Yes           44.00         Safety Cable         Yes           44.00         Safety Cable         Yes           44.00         Safety Cable         Yes           44.00         Step bolts (ladder)         Yes           50.00         Safety Cable         Yes           50.00         Safety Cable         Yes           50.00         Safety Cable         Yes           60.00         Safety Cable         Yes           60.00         Step bolts (ladder)         Yes           65.00         Safety Cable         Yes           65.00         Safety Cable         Yes           69.00         Safety Cable         Yes           70.00         Safet	20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	31.207	0.00	1.64
25.00         Step bolts (ladder)         Yes           30.00         Safety Cable         Yes           30.00         Step bolts (ladder)         Yes           35.00         Safety Cable         Yes           35.00         Safety Cable         Yes           40.00         Safety Cable         Yes           40.00         Safety Cable         Yes           40.00         Safety Cable         Yes           44.00         Safety Cable         Yes           44.00         Safety Cable         Yes           44.00         Step bolts (ladder)         Yes           44.00         Step bolts (ladder)         Yes           45.00         Safety Cable         Yes           50.00         Safety Cable         Yes           50.00         Safety Cable         Yes           55.00         Safety Cable         Yes           60.00         Step bolts (ladder)         Yes           60.00         Safety Cable         Yes           65.00         Safety Cable         Yes           69.00         Safety Cable         Yes           70.00         Safety Cable         Yes           70.00         Safety Cable	20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	31.207	0.00	6.24
30.00Safety CableYes30.00Step bolts (ladder)Yes35.00Safety CableYes35.00Step bolts (ladder)Yes40.00Safety CableYes40.00Safety CableYes40.00Step bolts (ladder)Yes44.00Safety CableYes44.00Safety CableYes44.00Step bolts (ladder)Yes44.00Step bolts (ladder)Yes45.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Safety CableYes60.00Safety CableYes60.00Safety CableYes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety Cable		•	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	32.708	0.00	1.64
30.00Step bolts (ladder)Yes35.00Safety CableYes35.00Step bolts (ladder)Yes40.00Safety CableYes40.00Safety CableYes40.00Step bolts (ladder)Yes44.00Safety CableYes44.00Safety CableYes44.00Step bolts (ladder)Yes44.00Step bolts (ladder)Yes45.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Safety CableYes55.00Safety CableYes60.00Step bolts (ladder)Yes60.00Safety CableYes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes80.00Safety CableYes80.00Safety CableYes80.00Safety CableYes89.00Safety CableYes89.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety Cable </td <td>25.00</td> <td>Step bolts (ladder)</td> <td>Yes</td> <td>5.00</td> <td>0.000</td> <td>0.63</td> <td>0.26</td> <td>0.00</td> <td>0.020</td> <td>0.000</td> <td>32.708</td> <td>0.00</td> <td>6.24</td>	25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	32.708	0.00	6.24
35.00Safety CableYes35.00Step bolts (ladder)Yes40.00Safety CableYes40.00Step bolts (ladder)Yes44.00Safety CableYes44.00Safety CableYes44.00Step bolts (ladder)Yes44.00Step bolts (ladder)Yes45.00Safety CableYes45.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Step bolts (ladder)Yes55.00Safety CableYes60.00Step bolts (ladder)Yes60.00Step bolts (ladder)Yes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes89.00Safety CableYes89.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety	80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	33.988	0.00	1.64
35.00Step bolts (ladder)Yes40.00Safety CableYes40.00Step bolts (ladder)Yes44.00Safety CableYes44.00Step bolts (ladder)Yes44.00Step bolts (ladder)Yes44.00Step bolts (ladder)Yes45.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Step bolts (ladder)Yes55.00Safety CableYes55.00Safety CableYes60.00Step bolts (ladder)Yes60.00Safety CableYes65.00Safety CableYes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety	0.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	33.988	0.00	6.24
40.00Safety CableYes40.00Step bolts (ladder)Yes44.00Safety CableYes44.00Step bolts (ladder)Yes44.00Step bolts (ladder)Yes45.00Safety CableYes45.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Safety CableYes55.00Safety CableYes60.00Step bolts (ladder)Yes60.00Step bolts (ladder)Yes65.00Safety CableYes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes95.00Safety CableYes95.00Safety Cable	5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	35.109	0.00	1.64
40.00Step bolts (ladder)Yes44.00Safety CableYes44.00Step bolts (ladder)Yes45.00Safety CableYes45.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Step bolts (ladder)Yes55.00Safety CableYes60.00Step bolts (ladder)Yes60.00Step bolts (ladder)Yes65.00Safety CableYes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Safety CableYes95.00Safety CableYes95.00Safety CableYes95.00Safety Cable		Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	35.109	0.00	6.24
44.00Safety CableYes44.00Step bolts (ladder)Yes45.00Safety CableYes45.00Safety CableYes50.00Safety CableYes50.00Safety CableYes50.00Safety CableYes55.00Safety CableYes55.00Safety CableYes60.00Safety CableYes60.00Safety CableYes60.00Safety CableYes65.00Safety CableYes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Safety CableYes95.00Safety CableYes95.00Safety CableYes95.00Safety CableYes95.00Safety CableYes <td></td> <td>Safety Cable</td> <td>Yes</td> <td>5.00</td> <td>0.000</td> <td>0.38</td> <td>0.16</td> <td>0.00</td> <td>0.021</td> <td>0.000</td> <td>36.110</td> <td>0.00</td> <td>1.64</td>		Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	36.110	0.00	1.64
44.00Step bolts (ladder)Yes45.00Safety CableYes45.00Step bolts (ladder)Yes50.00Safety CableYes50.00Step bolts (ladder)Yes55.00Safety CableYes55.00Safety CableYes55.00Safety CableYes60.00Safety CableYes60.00Safety CableYes60.00Step bolts (ladder)Yes65.00Safety CableYes65.00Safety CableYes69.00Step bolts (ladder)Yes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Safety CableYes95.00Safety CableYes95.00Safety CableYes95.00Safety CableYes			Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	36.110	0.00	6.24
45.00Safety CableYes45.00Step bolts (ladder)Yes50.00Safety CableYes50.00Step bolts (ladder)Yes55.00Safety CableYes55.00Safety CableYes55.00Step bolts (ladder)Yes60.00Safety CableYes60.00Step bolts (ladder)Yes60.00Step bolts (ladder)Yes65.00Safety CableYes65.00Safety CableYes69.00Step bolts (ladder)Yes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Safety CableYes95.00Safety CableYes95.00Safety CableYes95.00Safety CableYes		•	Yes	4.00	0.000	0.38	0.13	0.00	0.022	0.000	36.841	0.00	1.31
45.00Step bolts (ladder)Yes50.00Safety CableYes50.00Step bolts (ladder)Yes55.00Safety CableYes55.00Safety CableYes60.00Safety CableYes60.00Safety CableYes60.00Safety CableYes65.00Safety CableYes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Safety CableYes95.00Safety CableYes95.00Safety CableYes95.00Safety CableYes	4.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.022	0.000	36.841	0.00	4.99
50.00Safety CableYes50.00Step bolts (ladder)Yes55.00Safety CableYes55.00Safety CableYes60.00Safety CableYes60.00Safety CableYes60.00Step bolts (ladder)Yes65.00Safety CableYes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes95.00Safety CableYes		Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.022	0.000	37.016	0.00	0.33
50.00Step bolts (ladder)Yes55.00Safety CableYes55.00Step bolts (ladder)Yes60.00Safety CableYes60.00Step bolts (ladder)Yes65.00Safety CableYes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Safety CableYes94.00Safety CableYes95.00Safety CableYes95.00Safety CableYes			Yes	1.00	0.000	0.63	0.05	0.00	0.022	0.000	37.016	0.00	1.25
55.00Safety CableYes55.00Step bolts (ladder)Yes60.00Safety CableYes60.00Step bolts (ladder)Yes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes69.00Safety CableYes69.00Step bolts (ladder)Yes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes95.00Safety CableYes			Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	37.846	0.00	1.64
55.00Step bolts (ladder)Yes60.00Safety CableYes60.00Step bolts (ladder)Yes65.00Safety CableYes65.00Safety CableYes65.00Step bolts (ladder)Yes69.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes95.00Safety CableYes			Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	37.846	0.00	6.24
60.00Safety CableYes60.00Step bolts (ladder)Yes65.00Safety CableYes65.00Safety CableYes69.00Safety CableYes69.00Safety CableYes69.00Safety CableYes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Safety CableYes95.00Safety CableYes95.00Safety CableYes		•	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	38.614	0.00	1.64
60.00Step bolts (ladder)Yes65.00Safety CableYes65.00Step bolts (ladder)Yes69.00Safety CableYes69.00Safety CableYes69.00Step bolts (ladder)Yes70.00Safety CableYes70.00Safety CableYes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes95.00Safety CableYes			Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	38.614	0.00	6.24
65.00Safety CableYes65.00Step bolts (ladder)Yes69.00Safety CableYes69.00Step bolts (ladder)Yes70.00Safety CableYes70.00Safety CableYes70.00Step bolts (ladder)Yes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes95.00Safety CableYes		•	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	39.327	0.00	1.64
65.00Step bolts (ladder)Yes69.00Safety CableYes69.00Step bolts (ladder)Yes70.00Safety CableYes70.00Safety CableYes70.00Step bolts (ladder)Yes75.00Safety CableYes75.00Safety CableYes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes95.00Safety CableYes			Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	39.327	0.00	6.24
69.00Safety CableYes69.00Step bolts (ladder)Yes70.00Safety CableYes70.00Step bolts (ladder)Yes75.00Safety CableYes75.00Safety CableYes75.00Step bolts (ladder)Yes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes95.00Safety CableYes		•	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	39.996	0.00	1.64
69.00Step bolts (ladder)Yes70.00Safety CableYes70.00Step bolts (ladder)Yes75.00Safety CableYes75.00Safety CableYes75.00Step bolts (ladder)Yes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes				5.00	0.000	0.63	0.26	0.00	0.024	0.000	39.996	0.00	6.24
70.00Safety CableYes70.00Step bolts (ladder)Yes75.00Safety CableYes75.00Step bolts (ladder)Yes80.00Safety CableYes80.00Safety CableYes85.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes			Yes	4.00	0.000	0.38	0.13	0.00	0.025	0.000	40.502	0.00	1.31
70.00Step bolts (ladder)Yes75.00Safety CableYes75.00Step bolts (ladder)Yes80.00Safety CableYes80.00Step bolts (ladder)Yes85.00Safety CableYes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes			Yes	4.00	0.000	0.63	0.21	0.00	0.025	0.000	40.502	0.00	4.99
75.00Safety CableYes75.00Step bolts (ladder)Yes80.00Safety CableYes80.00Step bolts (ladder)Yes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes		•	Yes	1.00	0.000	0.38	0.03	0.00	0.025	0.000	40.625	0.00	0.33
75.00Step bolts (ladder)Yes80.00Safety CableYes80.00Step bolts (ladder)Yes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes			Yes	1.00	0.000	0.63	0.05	0.00	0.025	0.000	40.625	0.00	1.25
80.00Safety CableYes80.00Step bolts (ladder)Yes85.00Safety CableYes85.00Safety CableYes89.00Safety CableYes89.00Safety CableYes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes				5.00	0.000	0.38	0.16	0.00	0.025	0.000	41.219	0.00	1.64
80.00Step bolts (ladder)Yes85.00Safety CableYes85.00Step bolts (ladder)Yes89.00Safety CableYes89.00Step bolts (ladder)Yes90.00Safety CableYes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes				5.00	0.000	0.63	0.26	0.00	0.025	0.000	41.219	0.00	6.24
85.00Safety CableYes85.00Step bolts (ladder)Yes89.00Safety CableYes89.00Step bolts (ladder)Yes90.00Safety CableYes90.00Safety CableYes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes95.00Safety CableYes				5.00	0.000	0.38	0.16	0.00	0.026	0.000	41.783	0.00	1.64
85.00Step bolts (ladder)Yes89.00Safety CableYes89.00Step bolts (ladder)Yes90.00Safety CableYes90.00Step bolts (ladder)Yes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes				5.00	0.000	0.63	0.26	0.00	0.026	0.000	41.783	0.00	6.24
89.00Safety CableYes89.00Step bolts (ladder)Yes90.00Safety CableYes90.00Step bolts (ladder)Yes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes			Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	42.320	0.00	1.64
89.00Step bolts (ladder)Yes90.00Safety CableYes90.00Step bolts (ladder)Yes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes		,		5.00	0.000	0.63	0.26	0.00	0.027	0.000	42.320	0.00	6.24
90.00Safety CableYes90.00Step bolts (ladder)Yes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes		•		4.00	0.000	0.38	0.13	0.00	0.028	0.000	42.731	0.00	1.31
90.00Step bolts (ladder)Yes94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes				4.00	0.000	0.63	0.21	0.00	0.028	0.000	42.731	0.00	4.99
94.00Safety CableYes94.00Step bolts (ladder)Yes95.00Safety CableYes		•		1.00	0.000	0.38	0.03	0.00	0.028	0.000	42.832	0.00	0.33
94.00Step bolts (ladder)Yes95.00Safety CableYes				1.00	0.000	0.63	0.05	0.00	0.028	0.000	42.832	0.00	1.25
95.00 Safety Cable Yes		-		4.00	0.000	0.38	0.13	0.00	0.029	0.000	43.226	0.00	1.31
				4.00	0.000	0.63	0.21	0.00	0.029	0.000	43.226	0.00	4.99
				1.00	0.000	0.38	0.03	0.00	0.029	0.000	43.322	0.00	0.33
95.00 Step bolts (ladder) Yes				1.00	0.000	0.63	0.05	0.00	0.029	0.000	43.322	0.00	1.25
100.00 Safety Cable Yes	J.00 S	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	43.793	0.00	1.64

Structure: Site Name: Height:	139.00 (ft)				Code: Expos Crest Site C	sure: Height:	TIA-222-H C 0.00 D - Stiff Soil		8/9/2023	SB	A )))
Base Elev: Gh:	0.000 (ft) 1.1	Тор	ography:	1		t Class:			Page: 1	1	Ť
	: 1.2D + 1.0W 12	0 mp 1.2							X	Iteration	<b>s</b> 2
	nd Load Factor	1.0	0					Z			
Wi				_							
Top Elev	w	ind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft) Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (Ib)

(ft)	Description	Exposed	(11)	Ga	(11)	(0414)	(-4.9					
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	43.793	0.00	6.24
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	44.245	0.00	1.64
	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	44.245	0.00	6.24
105.00		Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	44.680	0.00	1.64
110.00	*	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	44.680	0.00	6.24
110.00		Yes	4.00	0.000	0.38	0.13	0.00	0.033	0.000	45.017	0.00	1.31
114.00			4.00	0.000	0.63	0.21	0.00	0.033	0.000	45.017	0.00	4.99
114.00	• • •	Yes	1.00	0.000	0.38	0.03	0.00	0.033	0.000	45.100	0.00	0.33
115.00		Yes	1.00	0.000	0.63	0.05	0.00	0.033	0.000	45.100	0.00	1.25
115.00		Yes		0.000	0.38	0.16	0.00	0.034	0.000	45.506	0.00	1.64
20.00		Yes	5.00		0.63	0.26	0.00	0.034	0.000	45.506	0.00	6.24
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.03	0.26	0.00	0.036	0.000	45.899	0.00	1.64
25.00	Safety Cable	Yes	5.00	0.000		0.10	0.00	0.036	0.000	45.899	0.00	6.24
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.20	0.00	0.037	0.000	46.279	0.00	1.64
30.00	Safety Cable	Yes	5.00	0.000	0.38		0.00	0.037	0.000	46.279	0.00	6.24
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26		0.039	0.000	46.649	0.00	1.64
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.039	0.000	46.649	0.00	6.24
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00		0.000	46.793	0.00	0.66
37.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.040		46,793	0.00	2.50
37.00		Yes	2.00	0.000	0.63	0.10	0.00	0.040	0.000		0.00	0.66
139.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.041	0.000	46.936		2.50
139.00		Yes	2.00	0.000	0.63	0.10	0.00	0.041	0.000	46.936 _	0.00	
100.00									То	tals:	0.0	219.0

						Calc	ulated F	orces	1		2			4
Heigt Base	Name:	Thom 139.0 0.000	• •				Code: Exposure Crest Heig Site Class	: C ght: 0.0 ;: D-	A-222-H 10 • Stiff Soi	I	8/	9/2023	SBA	
Gh:		1.1		То	pography	: 1	Struct Cla	iss: II			Pa	ige: 12		
	Dea Win	d Load d Load	+ 1.0W d Facto d Facto		0					2	ř)	ite S	erations	21
Seg Elev	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	Mu MX	Resultant	phi	phi	phi	phi	Total		Rotation	
(ft)	(kips)	(kips)	(ft-kips)			Moment (ft-kips)	Pn (kips)	Vn (kips)	Tn /ft king)	Mn (ff kine)	Deflect	Sway	Twist	Stress
0.00	-33.16	-20.51	0.00	-1844.6	0.00	1844.63	5289.63	1345.01	(ft-kips) 6159.16	(ft-kips) 6006.61	(in) 0.00	(deg)	(deg)	Ratio
5.00	-31.53	-20.01	0.00	-1742.0	0.00	1742.08	5214.12	1316.19	5898.01	5792.99	0.00	0.000	0.000	0.314
10.00	-29.92	-19.51	0.00	-1642.0	0.00	1642.06	5136.95	1287.37	5642.52	5581.27	0.05	-0.066	0.000	0.307
15.00	-28.36	-19.02	0.00	-1544.5	0.00	1544.51	5058.12	1258.55	5392.69	5371.57	0.18	-0.174	0.000	0.300
20.00	-26.82	-18.51	0.00	-1449.4	0.00	1449.41	4977.64	1229.72	5148.52	5164.03	0.41	-0.261	0.000 0.000	0.293
25.00	-25.33	-17.98	0.00	-1356.8	0.00	1356.87	4895.50	1200.90	4910.00	4958.75	1.15	-0.438	0.000	0.286 0.279
30.00	-23.86	-17.44	0.00	-1266.9	0.00	1266.98	4811.70	1172.08	4677.14	4755.86	1.66	-0.527	0.000	0.279
35.00	-22.44	-16.89	0.00	-1179.8	0.00	1179.80	4726.25	1143.25	4449.94	4555.49	2.26	-0.616	0.000	0.272
40.00	-21.05	-16.33	0.00	-1095.3	0.00	1095.37	4639.13	1114.43	4228.39	4357.75	2.95	-0.705	0.000	0.256
44.00	-19.97	-15.87	0.00	-1030.0	0.00	1030.07	4568.25	1091.37	4055.23	4201.54	3.57	-0.777	0.000	0.250
45.00	-19.47	-15.77	0.00	-1014.2	0.00	1014.20	4550.36	1085.61	4012.50	4162.77	3.74	-0.796	0.000	0.248
50.00	-17.06	-15.18	0.00	-935.37	0.00	935.37	3711.04	922.79	3382.36	3371.17	4.62	-0.885	0.000	0.240
55.00	-15.93	-14.61	0.00	-859.49	0.00	859.49	3641.81	898.08	3203.68	3218.96	5.59	-0.974	0.000	0.272
60.00		-14.04	0.00	-786.45	0.00	786.45	3570.92	873.38	3029.84	3068.73	6.67	-1.072	0.000	0.261
65.00		-13.48	0.00	-716.23	0.00	716.23	3498.38	848.67	2860.86	2920.59	7.84	-1.170	0.000	0.249
69.00		-13.03	0.00	-662.32	0.00	662.32	3439.15	828.91	2729.16	2803.67	8.86	-1.247	0.000	0.240
69.00	-12.92	-13.03	0.00	-662.32	0.00	662.32	3439.15	828.91	2729.16	2803.67	8.86	-1.247	0.000	0.240
70.00	-12.71	-12.92	0.00	-649.30	0.00	649.30	3424.18	823.97	2696.72	2774.67	9.12	-1.267	0.000	0.238
75.00		-12.37	0.00	-584.68	0.00	584.68	3348.32	799.26	2537.43	2631.09	10.50	-1.362	0.000	0.226
80.00	-10.72	-11.82	0.00	-522.83	0.00	522.83	3270.81	774.56	2383.00	2489.96	11.98	-1.456	0.000	0.213
80.00	-10.72	-11.82	0.00	-522.83	0.00	522.83	2592.90	646.55	1992.53	1980.55	11.98	-1.456	0.000	0.268
85.00	-9.92	-11.29	0.00	-463.71	0.00	463.71	2535.53	625.97	1867.66	1874.55	13.55	-1.547	0.000	0.252
89.00 90.00	-9.29	-10.86	0.00	-418.56	0.00	418.56	2488.45	609.50	1770.67	1790.92	14.88	-1.633	0.000	0.238
90.00 94.00		-10.76	0.00	-407.70	0.00	407.70	2476.51	605.38	1746.83	1770.18	15.23	-1.655	0.000	0.234
94.00 95.00	-7.97 -7.84	-10.32	0.00	-364.65	0.00	364.65	1825.44		1366.80		16,65	-1.739	0.000	0.287
95.00 100.00	-7.04 -7.23	-10.23	0.00 0.00	-354.33 -303.19	0.00	354.33	1817.68	475.67		1278.19	17.02	-1.760	0.000	0.282
105.00	-6.64	-9.22	0.00	-254.58	0.00	303.19	1777.84	459.20	1256.32	1206.58	18.93	-1.877	0.000	0.256
110.00	-6.04	-9.22 -8.74		-254.58 -208.46	0.00 0.00	254.58	1736.35	442.73	1167.82	1135.84	20.95	-1.987	0.000	0.228
114.00	-5.65	-8.35		-208.46	0.00	208.46	1693.20	426.26	1082.54	1066.08	23.09	-2.089	0.000	0.200
114.00	-5.65	-8.35		-173.52	0.00	173.52	1657.49	413.08	1016.65	1011.08	24.87	-2.165	0.000	0.175
115.00	-5.56	-8.26		-165.17	0.00	173.52 165.17	1114.05	310.46	765.71	682.44	24.87	-2.165	0.000	0.260
120.00	-5.16	-7.81		-123.85	0.00	123.85	1109.31 1084.65	307.99	753.57	674.10	25.33	-2.183	0.000	0.251
125.00	-4.77	-7.36	0.00	-84.81	0.00	84.81	1058.34	295.64 283.29	694.33	632.51	27.67	-2.290	0.000	0.201
130.00	-4.40	-6.93	0.00	-48.00	0.00	48.00	1030.34	263.29 270.93	637,52 583.14	591.21	30.12	-2.377	0.000	0.149
135.00	-4.05	-6.51	0.00	-13.34	0.00	13.34	1030.37	270.93 258.58		550.32	32.65	-2.440	0.000	0.092
		-0.16							531.18	509.95	35.23	-2.473	0.000	0.031
137.00	-0.11	-0.10	0.00	-0.32	0.00	0.32	988.42	253.64	511.07	493.97	36.26	-2.477	0.000	0.001

													- 10	
					W	ind Loa	ding	- Sha	a i					
Structure	: CT2828	5-A				Co	de:	Т	IA-222-H			8/9/202	23	
Site Nam						Ex	osure	e: C	;					
							est Hei		.00				G	ВА 厕
Height:	139.00 (							•						
Base Elev	<b>v:</b> 0.000 (fl	t)				Site	e Class	s: L	) - Stiff So	11				
Gh:	1.1		Торо	graphy	: 1	Str	uct Cla	ass: II				Page: '	3	
		4 0101 400		A/ind							¥,	•	Iteratio	ons 21
	se: 0.9D +			vinu								x		
	ead Load F		0.90								-			
v	Vind Load I	actor	1.00								4			
Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	lce Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (Ib)	Dead Load Ice (Ib)	Tot Dead Load (Ib)
(,	Decemption	1.00	0.95	29.411	32.35	517.67	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
0.00		1.00		29.411	32.35	506.66	0.730	0.000	5.00	23.287	17.00	550.0	0.0	1161.0
5.00		1.00		29.411	32.35	495.66	0.730	0.000	5.00	22.786	16.63	538.1	0.0	1135.8
10.00		1.00		29.411	32.35	484.65	0.730	0.000		22.286	16.27	526.3	0.0	1110.7
15.00		1.00		31.207	34.33	487.89	0.730	0.000	5.00	21.785	15.90	545.9	0.0	1085.5
20.00		1.00		32.708	35.98	487.88	0.730	0.000	5.00	21.285	15.54	559.0	0.0	1060.4
25.00 30.00		1.00		33.988	37.39	485.50	0.730	0.000	5.00	20.784	15.17	567.3	0.0	1035.2
35.00		1.00		35.109	38.62	481.42	0.730	0.000		20.284	14.81	571.9	0.0	1010.1
40.00		1.00		36.110	39.72	476.04	0.730	0.000	5.00	19.784	14.44	573.6	0.0	984.9
40.00 Bot -	Section 2	1.00		36.841	40.53	470.98	0.730	0.000	4.00	15.467	11.29	457.6	0.0	769.8
45.00	00010112	1.00		37.016	40.72	469.63	0.730	0.000	1.00	3.880	2.83	115.3	0.0	355.7
50.00 Top -	Section 1	1.00	1.09	37.846	41.63	462.38	0.730	0.000		19.100	13.94	580.5	0.0	1750.5
55.00		1.00	1.12	38.614	42.47	462.43	0.730	0.000		18.600	13.58	576.7	0.0	794.4
60.00		1.00	1.14	39.327	43.26	453.96	0.730	0.000		18.099	13.21	571.6	0.0	772.8 751.3
65.00		1.00	1.16	39.996	44.00	444.96	0.730	0.000		17.599	12.85	565.2	0.0	751.3 585.5
69.00 Top -	Section 2	1.00		40.502	44.55	437.44	0.730	0.000		13.719	10.01	446.2	0.0	144.2
70.00		1.00		40.625	44.69	435.51	0.730	0.000	1.00	3.380	2.47	110.3	0.0	708.1
75.00		1.00		41.219	45.34	425.66	0.730	0.000		16.598	12.12	549.4	0.0 0.0	686.6
80.00 Top -	Section 3	1.00		41.783	45.96	415.44	0.730	0.000		16.098	11.75	540.1 530.0	0.0	555.1
85.00		1.00		42.320	46.55	404.90	0.730	0.000		15.597	11.39 8.85	415.8	0.0	431.2
89.00 Bot -	Section 5	1.00		42.731	47.00	396.25	0.730	0.000		12.118 3.022	2.21	103.9	0.0	192.2
90.00		1.00		42.832	47.12	394.06	0.730	0.000	1.00	11.886	8.68	412.6	0.0	755.7
94.00 Top -	Section 4	1.00		43.226	47.55	385.19	0.730	0.000		2.922	2.13	101.6	0.0	83.3
95.00		1.00		43.322	47.65	388.60 377.27	0.730	0.000 0.000		14.308	10.44	503.1	0.0	407.8
100.00		1.00		43.793	48.17	365.72	0.730	0.000		13.807	10.08	490.5	0.0	393.5
105.00		1.00		44.245	48.67	353.95	0.730	0.000		13.307	9.71	477.4	0.0	379.1
110.00		1.00		44.680	49.15	353.95 344.39	0.730	0.000		10.285	7.51	371.8	0.0	292.9
114.00 Top -	Section 5	1.00		45.017 45.100	49.52 49.61	344.39 341.98	0.730	0.000	1.00	2.521	1.84	91.3	0.0	54.0
115.00		1.00		45.100	49.01 50.06	329.82	0.730	0.000		12.306	8.98	449.7	0.0	263.3
120.00		1.00		45.506 45.899	50.00	317.49	0.730	0.000		11.806	8.62	435.1	0.0	252.6
125.00		1.00		45.899 46.279	50.49	305.00		0.000		11.305	8.25	420.1	0.0	241.8
130.00		1.00		46.649	51.31		0.730	0.000		10.805	7.89	404.7	0.0	231.0
135.00	1	1.00 1.00		46.793	51.31	287.25	0.730	0.000	2.00	4.182	3.05	157.1	0.0	89.4
407.00 *		1 1 1 1	1.00	70.100	01.7/									
137.00 Appu 139.00	internance(s)	1.00		46.936	51.63	282.13	0.730	0.000	2.00	4.102	2.99	154.6	0.0	87.7

_	ructure:	CT28285-A					de:		FIA-222-H	1	8/9	/2023		
	te Name:	Thompson 3 CT				Ex	posure	: (	0				-	
He	eight:	139.00 (ft)				Cr	est Hei	ght: (	0.00				SB/	
Ba	ase Elev:	0.000 (ft)				Sit	e Class	s: [	D - Stiff S	oil				
GI	Gh: 1.1 Topography: 1 Struct Class: II Page: 14								ge: 14					
	Dea	ad Load Factor	0.90								5	X	ations	2
		nd Load Factor	1.00			Orient		Total	Dead	Horiz	Vert	Wind	Mom	Mom
0.	Wir Elev (ft)	nd Load Factor	1.00 Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (Ib)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (Ib)	Mom Y (Ib-ft)	Mom Z (lb-ft)
1	Elev (ft) 137.00 Lo	Description w profile platform				Factor		CaAa	Load	Ecc	Ecc	FX	Y	Z
1	Elev (ft) 137.00 Lo 137.00 LN	Description w profile platform IX-6514DS-A1M	<b>Qty</b> 1 3	(psf) 46.793 46.793	(psf) 51.473 51.473	Factor x Ka	Ka	CaAa (sf)	Load (Ib)	Ecc (ft)	Ecc (ft)	FX (lb)	Y (lb-ft)	Z (Ib-ft)
t 2 3	Elev (ft) 137.00 Lo 137.00 LN 137.00 M1	Description w profile platform IX-6514DS-A1M I6407-77A	<b>Qty</b> 1 3 3	(psf) 46.793 46.793 46.793	(psf) 51.473 51.473 51.473	Factor x Ka 1.00 0.62 0.52	Ka 1.00 0.75 0.75	CaAa (sf) 50.20	Load (lb) 2002.31	Ecc (ft) 0.000	Ecc (ft) 0.000	FX (lb) 2583.92	Y (lb-ft) 0.00	Z (Ib-ft) 0.(
2	Elev (ft) 137.00 Lo 137.00 LN 137.00 M1 137.00 SE	Description w profile platform IX-6514DS-A1M F6407-77A BNHH-1D65B	<b>Qty</b> 1 3 3 6	(psf) 46.793 46.793 46.793 46.793	(psf) 51.473 51.473 51.473 51.473	Factor x Ka 1.00 0.62 0.52 0.62	Ka 1.00 0.75 0.75 0.75	CaAa (sf) 50.20 17.18 7.37 30.48	Load (lb) 2002.31 86.67 235.17 216.00	Ecc (ft) 0.000 0.000 0.000 0.000	Ecc (ft) 0.000 0.000	FX (lb) 2583.92 884.35	Y (lb-ft) 0.00 0.00	Z (Ib-ft) 0.0
	Elev (ft) 137.00 Lo 137.00 LN 137.00 MT 137.00 SE 137.00 B2	Description w profile platform IX-6514DS-A1M F6407-77A BNHH-1D65B /B66A RRH-BR049	Qty 1 3 6 3	(psf) 46.793 46.793 46.793 46.793 46.793	(psf) 51.473 51.473 51.473 51.473 51.473 51.473	Factor x Ka 1.00 0.62 0.52 0.62 0.62	Ka 1.00 0.75 0.75 0.75 0.75	CaAa (sf) 50.20 17.18 7.37 30.48 3.51	Load (lb) 2002.31 86.67 235.17 216.00 227.88	Ecc (ft) 0.000 0.000 0.000 0.000 0.000	Ecc (ft) 0.000 0.000 0.000 0.000 0.000	FX (lb) 2583.92 884.35 379.40 1568.76 180.71	Y (lb-ft) 0.00 0.00 0.00	Z (Ib-ft) 0.0 0.0 0.0
t 2 3 4 5	Elev (ft) 137.00 Lo 137.00 LN 137.00 MT 137.00 SE 137.00 B2 137.00 B5	Description w profile platform IX-6514DS-A1M F6407-77A BNHH-1D65B /B66A RRH-BR049 /B13 RRH-BR04C	<b>Qty</b> 1 3 3 6 3 3 3	(psf) 46.793 46.793 46.793 46.793 46.793 46.793	(psf) 51.473 51.473 51.473 51.473 51.473 51.473 51.473	Factor x Ka 1.00 0.62 0.52 0.62 0.62 0.62 0.58	Ka 1.00 0.75 0.75 0.75 0.75 0.75	CaAa (sf) 50.20 17.18 7.37 30.48 3.51 3.26	Load (Ib) 2002.31 86.67 235.17 216.00 227.88 189.81	Ecc (ft) 0.000 0.000 0.000 0.000 0.000 0.000	Ecc (ft) 0.000 0.000 0.000 0.000 0.000 0.000	<b>FX</b> ( <b>ib</b> ) 2583.92 884.35 379.40 1568.76 180.71 167.65	<b>Y</b> (lb-ft) 0.00 0.00 0.00 0.00	Z (Ib-ft) 0.0 0.0
-	Elev (ft) 137.00 Lo 137.00 LN 137.00 MT 137.00 B2 137.00 B5 137.00 RC	Description w profile platform IX-6514DS-A1M F6407-77A BNHH-1D65B /B66A RRH-BR049	Qty 1 3 6 3	(psf) 46.793 46.793 46.793 46.793 46.793	(psf) 51.473 51.473 51.473 51.473 51.473 51.473 51.473 51.473	Factor x Ka 1.00 0.62 0.52 0.62 0.62	Ka 1.00 0.75 0.75 0.75 0.75	CaAa (sf) 50.20 17.18 7.37 30.48 3.51	Load (lb) 2002.31 86.67 235.17 216.00 227.88	Ecc (ft) 0.000 0.000 0.000 0.000 0.000	Ecc (ft) 0.000 0.000 0.000 0.000 0.000	FX (lb) 2583.92 884.35 379.40 1568.76 180.71	Y (lb-ft) 0.00 0.00 0.00 0.00 0.00	<b>Z</b> (Ib-ft 0. 0. 0. 0.

Structure:	CT28285-A			Code:	TIA-222-H	8/9/2023		
	Thompson 3 CT			Exposure:	С			
Height:	139.00 (ft)			Crest Height:	0.00		SBA	))
Base Elev:	0.000 (ft)			Site Class:	D - Stiff Soil			
Gh:	1.1	Topography:	1	Struct Class:	11	Page: 15		_
	: 0.9D + 1.0W 12	0 mph Wind				14	terations	2

**Dead Load Factor** 3 Wind Load Factor 1.00 Moment Torsion Axial Lateral ΜZ FY (-) MY FX (-) Elev (lb-ft) (lb-ft) (lb) Description (Ib) (ft) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1205.57 549.97 5.00 0.00 0.00 1180.42 538.15 10.00 0.00 0.00 1155.27 15.00 526.33 0.00 0.00 1130.12 20.00 545.92 0.00 1104.98 0.00 559.03 25.00 0.00 0.00 567.25 1079.83 30.00 0.00 0.00 571.85 1054.68 35.00 0.00 0.00 1029.53 573.65 40.00 0.00 0.00 805.52 457.56 44.00 0.00 0.00 364.64 115.33 45.00 0.00 0.00 1795.15 50.00 580.47 0.00 838.97 0.00 576.72 55.00 0.00 0.00 817.42 571.58 60.00 0.00 0.00 795.86 565.22 65.00 0.00 0.00 446.18 621.17 69.00 0.00 0.00 110.25 153.14 70.00 0.00 0.00 549.38 752.75 75.00 0.00 0.00 731.19 540.10 80.00 0.00 0.00 599.75 85.00 530.04 0.00 466.87 0.00 415.79 89.00 0.00 201.09 0.00 103.93 90.00 0.00 0.00 791.41 412.58 94.00 0.00 0.00 92.21 101.63 95.00 0.00 0.00 503.13 452.44 100.00 0.00 0.00 438.07 490.55 105.00 0.00 0.00 423.70 477.42 110.00 328.62 0.00 0.00 371.80 114.00 0.00 0.00 62.88 91.31 115.00 307.94 0.00 0.00 449.68 120.00 0.00 297.17 0.00 435.12 125.00 0.00 0.00 420.13 286.39 130.00 0.00 0.00 404.73 275.61 135.00 0.00 0.00 3154.35 6176.34 (23) attachments 137.00 0.00 0.00 90.02 154.59 139.00 0.00 0.00 24,884.74 Totals: 20,483.72

		Line	ar Appu	rtena	nce Seg	ment F	orces	(Fact	ored)		E.	
Stru	cture: CT28285	-A			Code	1	TIA-22	2-H		8/9/202	3	
Site	Name: Thompso	n 3 CT			Expo	SUIPA	C			0,0,202		
Heig	P				•							
		.)				Height:	0.00					A D
	e Elev: 0.000 (ft)				Site (	Class:	D - Stif	f Soil				
Gh:	1.1	То	pography:	1	Struc	t Class:	П			Page: 1	6	
Loa	d Case: 0.9D + 1	.0W 120 mp	h Wind						X	4	Iteration	<b>is</b> 21
	Dead Load Fa										iteration	1 <b>3</b> 21
1			-							s s		
	Wind Load Fa	ictor 1.0	0						3			
Тор						A						
Elev		Wind	Length		Exposed Width	Area	CaAa		Cf Adjust	<b></b>	<b>F V</b>	Dead
(ft)	Description	Exposed	(ft)	Ca	(in)	(sqft)	(sqft)	Ra	Factor	qz (psf)	F X (lb)	Load (Ib)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	29.411	0.00	1.23
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	29.411	0.00	4.68
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	29.411	0.00	1.23
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	29.411	0.00	4.68
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	29.411	0.00	1.23
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	29.411	0.00	4.68
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	31.207	0.00	1.23
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	31.207	0.00	4.68
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	32.708	0.00	1.23
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	32.708	0.00	4.68
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	33.988	0.00	1.23
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	33.988	0.00	4.68
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	35.109	0.00	1.23
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	35.109	0.00	4.68
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	36.110	0.00	1.23
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	36.110	0.00	4.68
44.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.022	0.000	36.841	0.00	0.98
44.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.022	0.000	36 841	0.00	3.74

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Safety Cable

95.00 Step bolts (ladder)

100.00 Safety Cable

Step bolts (ladder)

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			inea	r Appur	tena	nce Seg	ment F	orces	(Fact	ored)			
Struc	ture: CT28	285-A				Code:		TIA-22	2-H		8/9/2023		
		pson 3 CT				Expos	sure:	С				<u> </u>	
Heigh	nt: 139.0	0 (ft)				Crest	Height:	0.00				SB	A 🕖
Base	Elev: 0.000	(ft)				Site C	lass:	D - Stif	f Soil				
Gh:	1.1		Торо	ography:	1	Struc	t Class:				Page: 17		
Load	I Case: 0.9D Dead Loa Wind Loa	d Factor	0 mph 0.90 1.00							2	×	Iteration	I <b>s</b> 21
Top Elev (ft)	Descriptic		ind osed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	FX (lb)	Dead Load (Ib)
100.00	Step bolts (ladd			5.00	0.000	0.63	0.26	0.00	0.029	0.000	43.793 44.245	0.00 0.00	4.68 1.23

100.00	Stop some (iddaes)								To	tals:	0.0	164.3	
139.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.041	0.000	46.936	0.00	1.87	
139.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.041	0.000	46.936	0.00	0.49	
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.040	0.000	46.793	0.00	1.87	
137.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.040	0.000	46.793	0.00	0.49	
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.039	0.000	46.649	0.00	4.68	
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.039	0.000	46.649	0.00	1.23	
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.037	0.000	46.279	0.00	4.68	
130.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.037	0.000	46.279	0.00	1.23	
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	45.899	0.00	4.68	
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	45.899	0.00	1.23	
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.034	0.000	45.506	0.00	4.68	
120.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.034	0.000	45.506	0.00	1.23	
115.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.033	0.000	45.100	0.00	0.94	
115.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.033	0.000	45.100	0.00	0.25	
114.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.033	0.000	45.017	0.00	3.74	
114.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.033	0.000	45.017	0.00	0.98	
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	44.680	0.00	4.68	
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	44.680	0.00	1.23	
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	44.245	0.00	4.68	
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	44.245	0.00	1.23	

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						Calc	ulated F	orces		1				
Struc	cture:	CT28	285-A				Code:	TIA	-222-H		8/	9/2023		
Site I	Name:	Thom	pson 3	СТ			Exposure	: C						
Heigl	ht:	139.0	0 (ft)				Crest Heig		n				CDA	
-	Elev:	0.000	• •				Site Class	-					SBA	<b>)</b>
	LICA'		(14)	_					Stiff Soi	1				1
Gh:		1.1	_	То	pography	: 1	Struct Cla	ss: li		-	Pa	age: 18		
Load	l Case:	0.9D -	+ 1.0W	120 mpl	n Wind						YA	ite	rations	21
			d Facto									X		
	Win	d Load	d Facto							2		~		
Seg Elev	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	Mu MX	Resultant Moment	phi	phi	phi	phi	Total		Rotation	
(ft)	(kips)			(ft-kips)	(ft-kips)	(ft-kips)	Pn (kips)	Vn (kips)	Tn (ft-kips)	Mn (ft-kips)	Deflect (in)	Sway (deg)	Twist (deg)	Stress Ratio
0.00	-24.87	-20.50	0.00	-1836.5	0.00	1836.53	5289.63	1345.01	6159.16	6006.61	0.00	0.000	0.000	0.311
5.00	-23.63	-19.99	0.00	-1734.0	0.00	1734.02	5214.12	1316.19	5898.01	5792.99	0.05	-0.086	0.000	0.304
10.00	-22.42	-19.48	0.00	-1634.0	0.00	1634.08	5136.95	1287.37	5642.52	5581.27	0.18	-0.173	0.000	0.297
15.00	-21.24	-18.98	0.00	-1536.6	0.00	1536.68	5058.12	1258.55	5392.69	5371.57	0.41	-0.260	0.000	0.291
20.00	-20.09	-18.46	0.00	-1441.7	0.00	1441.77	4977.64	1229.72	5148.52	5164.03	0,73	-0.348	0.000	0.283
25.00	-18.96	-17.92	0.00	-1349.4	0.00	1349.47	4895.50	1200.90	4910.00	4958.75	1.14	-0.436	0.000	0.276
30.00 35.00	-17.86 -16.78	-17.38 -16.82	0.00	-1259.8	0.00	1259.85	4811.70	1172.08	4677.14	4755.86	1.65	-0.524	0.000	0.269
40.00	-15.74	-16.82	0.00	-1172.9	0.00	1172.97	4726.25	1143.25	4449.94	4555.49	2.24	-0.613	0.000	0.261
44.00	-14.92	-15.80	0.00 0.00	-1088.8 -1023.8	0.00	1088.88	4639.13	1114.43	4228.39	4357.75	2.93	-0.702	0.000	0.253
45.00	-14.55	-15.69	0.00	-1023.8	0.00 0.00	1023.86	4568.25	1091.37	4055.23	4201.54	3.55	-0.773	0.000	0.247
50.00	-12.74	-15.11	0.00	-929.60	0.00	1008.06 929.60	4550.36 3711.04	1085.61 922.79	4012.50	4162.77	3.72	-0.792	0.000	0.246
55.00	-11.88	-14.53	0.00	-854.07	0.00	854.07	3641.81	922.79 898.08	3382.36 3203.68	3371.17 3218.96	4.59 5.56	-0.880 -0.969	0.000	0.279
60.00	-11.05	-13.97	0.00	-781.40	0.00	781.40	3570.92	873.38	3029.84	3068.73	6.63	-0.969	0.000 0.000	0.269 0.258
65.00	-10.25	-13.40	0.00	-711.56	0.00	711.56	3498.38	848.67	2860.86	2920.59	7.80	-1.163	0.000	0.256
69.00	-9.63	-12.95	0.00	-657.95	0.00	657.95	3439.15	828.91	2729.16	2803.67	8.81	-1.240	0.000	0.247
69.00	-9.63	-12.95	0.00	-657.95	0.00	657.95	3439.15	828.91	2729.16	2803.67	8.81	-1.240	0.000	0.238
70.00	-9.46	-12.85	0.00	-645.00	0.00	645.00	3424.18	823.97	2696.72	2774.67	9.07	-1.260	0.000	0.235
75.00	-8.70	-12.30	0.00	-580.76	0.00	580.76	3348.32	799.26	2537.43	2631.09	10.44	-1.354	0.000	0.224
80.00	-7.96	-11.75	0.00	-519.29	0.00	519.29	3270.81	774.56	2383.00	2489.96	11.91	-1.447	0.000	0.211
80.00	-7.96	-11.75	0.00	-519.29	0.00	519.29	2592.90	646.55	1992.53	1980.55	11.91	-1.447	0.000	0.266
85.00	-7.36	-11.22	0.00	-460.54	0.00	460.54	2535.53	625.97	1867.66	1874.55	13.48	-1.538	0.000	0.249
89.00	-6.90	-10.79	0.00	-415.67	0.00	415.67	2488.45	609.50	1770.67	1790.92	14.80	-1.624	0.000	0.235
90.00	-6.69	-10.69	0.00	-404.88	0.00	404.88	2476.51	605.38	1746.83	1770.18	15.14	-1,645	0.000	0.232
94.00		-10.26	0.00	-362.12	0.00	362.12	1825.44		1366.80		16.56	-1.728	0.000	0.284
95.00 00.00	-5.80 -5.34	-10.16 -9.66		-351.86	0.00	351.86	1817.68	475.67		1278.19	16.92	-1.749	0.000	0.279
05.00	-5.34 -4.91	-9.66 -9.16	0.00	-301.04	0.00	301.04	1777.84	459.20	1256.32	1206.58	18.82	-1.865	0.000	0.253
10.00	-4.91	-9.16 -8.68	0.00 0.00	-252.76 -206.96	0.00	252.76	1736.35	442.73		1135.84	20.83	-1.975	0.000	0.226
14.00	-4.16	-8.29		-206.96	0.00 0.00	206.96	1693.20	426.26	1082.54	1066.08	22.96	-2.077	0.000	0.197
14.00	-4.16	-8.29		-172.26	0.00	172.26 172.26	1657.49 1114.05	413.08 310.46	1016.65	1011.08	24.73	-2.152	0.000	0.173
15.00	-4.10	-8.21		-163.97	0.00	163.97	1109.31	310.46	765.71 753.57	682.44 674.10	24.73	-2.152	0.000	0.257
20.00	-3.79	-7.75		-122.94	0.00	122.94	109.51	307.99 295.64	753.57 694.33	674.10 632.51	25.18 27.51	-2.170 -2.276	0.000	0.248
25.00	-3.50	-7.31	0.00	-84.19	0.00	84.19	1058.34	293.04	637.52	591.21	29.95	-2.276	0.000 0.000	0.199 0.146
30.00	-3.23	-6.88	0.00	-47.64	0.00	47.64	1030.37	270.93	583.14	550.32	29.95 32.46	-2.362 -2.425	0.000	0.146
35.00	-2.97	-6.46	0.00	-13.25	0.00	13.25	1000.74	258.58	531.18	509.95	35.02	-2.425	0.000	0.030
37.00	-0.08	-0.16	0.00	-0.32	0.00	0.32	988.42	253.64	511.07	493.97	36.05	-2.461	0.000	0.000
07.00					0.00	0.02	200.4Z	203.04	011.07	493.97	30.00	-2.401	0.000	0.001

	1 3	Win	d Loading - Sl	haft		
Structure: Site Name: Height:	CT28285-A Thompson 3 CT 139.00 (ft)		Code: Exposure: Crest Height:	TIA-222-H C 0.00	8/9/202	3 SBA D
Base Elev: Gh:		Topography: 1	Site Class: Struct Class:	D - Stiff Soil	Page: 1	
	: 1.2D + 1.0Di + 1	.0Wi 50 mph Wind 1.20			Y	Iterations 20
	nd Load Factor	1.00	lce		Wind	Tot Dead Dead

								lce				Wind	Dead	Dead
Elev (ft) De	escription	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Force X (Ib)	Load Ice (Ib)	Load (Ib)
0.00		1,00	0.85	5.106	5.62	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.106	5.62	0.00	1.200	0.828	5.00	23.977	28.77	161.6	286.8	1834.7
10.00		1.00	0.85	5,106	5.62	0.00	1.200	0.887	5.00	23.526	28.23	158.6	301.1	1815.5
15.00		1.00	0.85	5.106	5.62	0.00	1.200	0.924	5.00	23.056	27.67	155.4	306.9	1787.8
20.00		1.00	0.90	5.418	5.96	0.00	1.200	0.951	5.00	22.578	27.09	161.5	309.0	1756.3
25.00		1.00	0.95	5.678	6.25	0.00	1.200	0.973	5.00	22.095	26.51	165.6	308.9	1722.7
30.00		1.00	0.98	5.901	6.49	0.00	1.200	0.991	5.00	21.610	25.93	168.3	307.3	1687.6
35.00		1.00	1.01	6.095	6.70	0.00	1.200	1.006	5.00	21.122	25.35	169.9	304.7	1651.5
40.00		1.00	1.04	6.269	6.90	0.00	1.200	1.019	5.00	20.633	24.76	170.7	301.4	1614.6
40.00 44.00 Bot - Se	ction 2	1.00	1.06	6.396	7.04	0.00	1.200	1.029	4.00	16.153	19.38	136.4	238.6	1265.0
45.00		1.00	1.07	6.426	7.07	0.00	1.200	1.032	1.00	4.052	4.86	34.4	60.4	534.7
45.00 50.00 Top - Se	oction 1	1.00	1.09	6.571	7.23	0.00	1.200	1.042	5.00	19.969	23.96	173.2	297.7	2631.8
55.00		1.00	1.12	6.704	7.37	0.00	1.200	1.052	5.00	19.477	23.37	172.3	292.9	1352.0
60.00		1.00	1.14	6.828	7.51	0.00	1.200	1.062	5.00	18.984	22.78	171.1	287.6	1318.0
65.00		1.00	1.16	6.944	7.64	0.00	1.200	1.070	5.00	18.491	22.19	169.5	282.1	1283.7
69.00 Top - Se	oction 2	1.00	1.17	7.032	7.73	0.00	1.200	1.077	4.00	14.437	17.32	134.0	221.9	1002.6
70.00	5010112	1.00	1.17	7.053	7.76	0.00	1.200	1.078	1.00	3.559	4.27	33.1	55.2	247.5
75.00		1.00	1.19	7.156	7.87	0.00	1.200	1.086	5.00	17.503	21.00	165.3	270.1	1214.3
80.00 Top - Se	action 3	1.00	1.21	7.254	7.98	0.00	1.200	1.093	5.00	17.008	20.41	162.9	263.8	1179.3
85.00 TOP - 36	section o	1.00	1.22	7.347	8.08	0.00	1.200	1.099	5.00	16.513	19.82	160.2	257.3	997.5
89.00 Bot - Se	ction 5	1.00	1.23	7.419	8.16	0.00	1.200	1.104	4.00	12.854	15.42	125.9	201.6	776.5
90.00 90.00		1.00	1,24	7.436	8.18	0.00	1.200	1.106	1.00	3.206	3.85	31.5	50.8	307.0
90.00 94.00 Top - Se	action 4	1.00	1.25	7.504	8.25	0.00	1.200	1.110	4.00	12.627	15.15	125.1	198.9	1206.6
94.00 TOP - 00 95.00	501011 4	1.00	1.25	7.521	8.27	0.00	1.200	1.112	1.00	3.107	3.73	30.8	49.5	160.5
90.00 100.00		1.00	1.27	7.603	8.36	0.00	1.200	1.117		15.239	18.29	152.9	240.3	784.1
105.00		1.00	1.28	7.681	8.45	0.00	1.200	1.123	5.00	14.743	17.69	149.5	233.2	757.8
110.00		1.00	1.29	7.757	8.53	0.00	1.200	1.128	5.00	14.247	17.10	145.9	226.0	731.4
114.00 Top - Se	ection 5	1.00	1.30	7.816	8.60	0.00	1.200	1.132		11.040	13.25	113.9		566.7
115.00		1.00	1.30	7.830	8.61	0.00	1.200	1.133	1.00	2.710	3.25	28.0		115.7
120.00		1.00	1.32	7.900	8.69	0.00	1.200	1.138		13.254	15.91	138.2		562.3
125.00		1.00	1.33	7.969	8.77	0.00	1.200	1.142		12.758	15.31	134.2		540.3
130.00		1.00	1.34	8.035	8.84	0.00	1.200	1.147		12.261	14.71	130.0	195.9	518.3
135.00		1.00	1.35	8.099	8.91	0.00	1.200	1.151		11.764	14.12	125.8		496.2
137.00 Appurte	nance(s)	1.00	1.35	8.124	8.94	0.00	1.200	1.153	2.00	4.566	5.48	49.0		193.2
139.00 Appulie		1.00	1.36	8.149	8.96	0.00	1.200	1.155	2.00	4.487	5.38	48.3	72.8	189.6
100.00								Totals:	139.00			4,352.9		34,803.4

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ц.	he.s			D	scret	e App	urten	алсе	Forces					
St	ructure:	CT28285-A				Co	ode:		TIA-222-F	-	8/9	/2023		
Si	te Name:	Thompson 3 CT				Ex	posure	e: (	0			-		
Не	eight:	139.00 (ft)					est Hei		- ).00			IC IC		
	ise Elev:	0.000 (ft)						•					SBA	A []]
		. ,				30	e Class	5: L	D - Stiff S	OII		-		
Gł	1:	1.1	Торо	graphy	: 1	St	ruct Cla	ass:	I		Pag	je: 20		
L		: 1.2D + 1.0Di + 1		) mph \	Nind						¥,		ations	20
	Dea	ed Load Factor	1.20								5-	X		
	Win	nd Load Factor	1.00								24			
No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (Ib)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (Ib)	Mom Y (Ib-ft)	Mom Z (Ib-ft)
<b>No.</b>	(ft)	Description w profile platform	Qty 1	•		Factor	<b>Ka</b> 1.00	CaAa	Load		Ecc	FX	Y	Z (lb-ft)
-	(ft) 137.00 Lo			(psf)	(psf)	Factor x Ka		CaAa (sf)	Load (Ib)	Ecc (ft)	Ecc (ft)	FX (lb)	Y (lb-ft)	Z (Ib-ft) 0.00
1	(ft) 137.00 Lor 137.00 LN 137.00 MT	w profile platform X-6514DS-A1M 76407-77A	1	(psf) 8.124	(psf) 8.936	Factor x Ka 1.00	1.00	CaAa (sf) 73.35	Load (Ib) 6280.31	Ecc (ft) 0.000	Ecc (ft) 0.000	FX (lb) 655.49	Y (lb-ft) 0.00	Z (Ib-ft) 0.00 0.00
1 2	(ft) 137.00 Lor 137.00 LN 137.00 MT 137.00 SB	w profile platform X-6514DS-A1M 76407-77A NHH-1D65B	1 3	(psf) 8.124 8.124	(psf) 8.936 8.936	Factor x Ka 1.00 0.64	1.00 0.75	CaAa (sf) 73.35 19.30	Load (lb) 6280.31 171.19	Ecc (ft) 0.000 0.000	Ecc (ft) 0.000 0.000	FX (lb) 655.49 172.46	Y (lb-ft) 0.00 0.00	Z (Ib-ft) 0.00 0.00
1 2 3	(ft) 137.00 Lor 137.00 LN 137.00 MT 137.00 SB	w profile platform X-6514DS-A1M 76407-77A	1 3 3	(psf) 8.124 8.124 8.124	(psf) 8.936 8.936 8.936	Factor x Ka 1.00 0.64 0.53	1.00 0.75 0.75	<b>CaAa</b> (sf) 73.35 19.30 8.43	Load (lb) 6280.31 171.19 336.43	Ecc (ft) 0.000 0.000 0.000	Ecc (ft) 0.000 0.000 0.000	FX (lb) 655.49 172.46 75.31	Y (Ib-ft) 0.00 0.00 0.00	Z (lb-ft) 0.00 0.00 0.00
1 2 3 4	(ft) 137.00 Lor 137.00 LN 137.00 MT 137.00 SB 137.00 B2 137.00 B5	w profile platform X-6514DS-A1M 76407-77A NHH-1D65B /B66A RRH-BR049 /B13 RRH-BR04C	1 3 3 6	(psf) 8.124 8.124 8.124 8.124	(psf) 8.936 8.936 8.936 8.936	Factor x Ka 1.00 0.64 0.53 0.63	1.00 0.75 0.75 0.75	CaAa (sf) 73.35 19.30 8.43 33.99	Load (lb) 6280.31 171.19 336.43 367.89	Ecc (ft) 0.000 0.000 0.000 0.000	Ecc (ft) 0.000 0.000 0.000 0.000	FX (lb) 655.49 172.46 75.31 303.73	Y (lb-ft) 0.00 0.00 0.00 0.00	Z (lb-ft) 0.00 0.00 0.00 0.00 0.00
2 3 4 5	(ft) 137.00 Lot 137.00 LN 137.00 MT 137.00 SB 137.00 B2 137.00 B5 137.00 RC	w profile platform X-6514DS-A1M 76407-77A NHH-1D65B /B66A RRH-BR049 /B13 RRH-BR04C 3DC-3315-PF-48	1 3 3 6 3	(psf) 8.124 8.124 8.124 8.124 8.124 8.124	(psf) 8.936 8.936 8.936 8.936 8.936	Factor x Ka 1.00 0.64 0.53 0.63 0.64	1.00 0.75 0.75 0.75 0.75	CaAa (sf) 73.35 19.30 8.43 33.99 4.28	Load (lb) 6280.31 171.19 336.43 367.89 197.65	Ecc (ft) 0.000 0.000 0.000 0.000 0.000	Ecc (ft) 0.000 0.000 0.000 0.000 0.000	FX (lb) 655.49 172.46 75.31 303.73 38.28	Y (lb-ft) 0.00 0.00 0.00 0.00 0.00	Z (lb-ft) 0.00 0.00 0.00 0.00 0.00 0.00
1 2 3 4 5 6	(ft) 137.00 Lot 137.00 LN 137.00 MT 137.00 SB 137.00 B2 137.00 B5 137.00 RC	w profile platform X-6514DS-A1M 76407-77A NHH-1D65B /B66A RRH-BR049 /B13 RRH-BR04C	1 3 6 3 3	(psf) 8.124 8.124 8.124 8.124 8.124 8.124	(psf) 8.936 8.936 8.936 8.936 8.936 8.936	Factor x Ka 1.00 0.64 0.53 0.63 0.64 0.59	1.00 0.75 0.75 0.75 0.75 0.75	CaAa (sf) 73.35 19.30 8.43 33.99 4.28 3.98	Load (Ib) 6280.31 171.19 336.43 367.89 197.65 99.47	Ecc (ft) 0.000 0.000 0.000 0.000 0.000 0.000	Ecc (ft) 0.000 0.000 0.000 0.000 0.000 0.000	<b>FX</b> ( <b>ib</b> ) 655.49 172.46 75.31 303.73 38.28 35.58	Y (Ib-ft) 0.00 0.00 0.00 0.00 0.00 0.00	Z

		To	tal Ap	plied Force St	ummary		
Structure:	CT28285-A			Code:	TIA-222-H	8/9/2023	
	Thompson 3 CT			Exposure:	С		
Height:	139.00 (ft)			Crest Height:	0.00		SBA 🕖
Base Elev:	0.000 (ft)			Site Class:	D - Stiff Soil		
Gh:	1.1	Topography:	1	Struct Class:	II	Page: 21	
	• 12D + 10Di + 1	L 0.W/i 50 mph W	/ind			×4 I	terations 20

X

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

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

Elev (ft)	Description	Lateral FX (-) (Ib)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (Ib-ft)	
0.00		0.00	0.00	0.00	0.00	
5.00		161.60	1906.00	0.00	0.00	
10.00		158.57	1888.27	0.00	0.00	
15.00		155.40	1861.52	0.00	0.00	
20.00		161.47	1830.78	0.00	0.00	
25.00		165.62	1797.73	0.00	0.00	
30.00		168.32	1763.14	0.00	0.00	
35.00		169.94	1727.46	0.00	0.00	
40.00		170.74	1690.95	0.00	0.00	
44.00		136.38	1326.32	0.00	0.00	
45.00		34.37	550.07	0.00	0.00	
50.00		173.19	2708.84	0.00	0.00	
55.00		172.35	1429.34	0.00	0.00	
60.00		171.09	1395.62	0.00	0.00	
65.00		169.48	1361.57	0.00	0.00	
69.00		134.00	1065.00	0.00	0.00	
70.00		33.14	263.15	0.00	0.00	
75.00		165.33	1292.63	0.00	0.00	
80.00		162.86	1257.81	0.00	0.00	17
85.00		160.15	1076.25	0.00	0.00	
89.00		125.87	839.62	0.00	0.00	
90.00		31.47	322.83	0.00	0.00	
94.00		125.08	1269.83	0.00	0.00	
95.00		30.84	176.34	0.00	0.00	
100.00		152.93	863.40	0.00	0.00	
105.00		149.48	837.31	0.00	0.00	
110.00		145.88	811.07	0.00	0.00	
114.00		113.89	630.46	0.00	0.00	
115.00		28.01	131.63	0.00	0.00	
120.00		138.22	642.22	0.00	0.00	
125.00		134.19	620.42	0.00	0.00	
130.00		130.04	598.53	0.00	0.00	
135.00		125.76	576.53	0.00	0.00	
135.00	(23) attachments	1382.61	7420.81	0.00	0.00	
139.00	(20) attaonmonta	48.26	201.18	0.00	0.00	
,00.00	Totals:	5,686.53	44,134.62	0.00	0.00	

	1	Inear Appur	tenand	ce Segment F	orces (Facto	ored)	
Structure:	CT28285-A			Code:	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT			Exposure:	С		the second s
Height:	139.00 (ft)			Crest Height:	0.00		SBA
Base Elev:	0.000 (ft)			Site Class:	D - Stiff Soil		
Gh:	1.1	Topography:	1	Struct Class:	В	Page: 22	
Load Case:	: 1.2D + 1.0Di + 1	.0Wi 50 mph W	ind			ו 1	terations 20
Dea	d Load Factor	1.20				X	
Win	d Load Factor	1.00				2	

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (Ib)	Dead Load (Ib)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.85	0.00	0.018	0.000	5.106	0.00	7.09
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.95	0.00	0.018	0.000	5.106	0.00	12.60
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.90	0.00	0.018	0.000	5.106	0.00	7.80
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.00	0.00	0.018	0.000	5.106	0.00	13.37
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.93	0.00	0.019	0.000	5.106	0.00	8.26
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.03	0.00	0.019	0.000	5.106	0.00	13.87
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.95	0.00	0.019	0.000	5.418	0.00	8.61
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.06	0.00	0.019	0.000	5.418	0.00	14.24
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.97	0.00	0.020	0.000	5.678	0.00	8.89
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.07	0.00	0.020	0.000	5.678	0.00	14.55
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.98	0.00	0.020	0.000	5.901	0.00	9.13
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.09	0.00	0.020	0.000	5.901	0.00	14.80
35.00	Safety Cable	Yes	5.00	0.000	0.38	1.00	0.00	0.021	0.000	6.095	0.00	9.34
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.10	0.00	0.021	0.000	6.095	0.00	15.03
40.00	Safety Cable	Yes	5.00	0.000	0.38	1.01	0.00	0.021	0.000	6.269	0.00	9.53
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.11	0.00	0.021	0.000	6.269	0.00	15.23
44.00	Safety Cable	Yes	4.00	0.000	0.38	0.81	0.00	0.022	0.000	6.396	0.00	7.73
44.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.90	0.00	0.022	0.000	6.396	0.00	12.30
45.00	Safety Cable	Yes	1.00	0.000	0.38	0.20	0.00	0.022	0.000	6.426	0.00	1.94
45.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.22	0.00	0.022	0.000	6.426	0.00	3.08
50.00	Safety Cable	Yes	5.00	0.000	0.38	1.03	0.00	0.022	0.000	6.571	0.00	9.85
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.13	0.00	0.022	0.000	6.571	0.00	15.57
55.00	Safety Cable	Yes	5.00	0.000	0.38	1.04	0.00	0.023	0.000	6.704	0.00	10.00
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.14	0.00	0.023	0.000	6.704	0.00	15.73
60.00	Safety Cable	Yes	5.00	0.000	0.38	1.04	0.00	0.023	0.000	6.828	0.00	10.13
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.15	0.00	0.023	0.000	6.828	0.00	15.87
65.00	Safety Cable	Yes	5.00	0.000	0.38	1.05	0.00	0.024	0.000	6.944	0.00	10.25
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.15	0.00	0.024	0.000	6.944	0.00	16.00
69.00	Safety Cable	Yes	4.00	0.000	0.38	0.84	0.00	0.025	0.000	7.032	0.00	8.28
69.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.93	0.00	0.025	0.000	7.032	0.00	12.88
70.00	Safety Cable	Yes	1.00	0.000	0.38	0.21	0.00	0.025	0.000	7.053	0.00	2.07
70.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.23	0.00	0.025	0.000	7.053	0.00	3.22
	Safety Cable	Yes	5.00	0.000	0.38	1.06	0.00	0.025	0.000	7.156	0.00	10.48
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.17	0.00	0.025	0.000	7.156	0.00	16.24
80.00	Safety Cable	Yes	5.00	0.000	0.38	1.07	0.00	0.026	0.000	7.254	0.00	10.58
	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.17	0.00	0.026	0.000	7.254	0.00	16.35
	Safety Cable	Yes	5.00	0.000	0.38	1.07	0.00	0.027	0.000	7.347	0.00	10.68
	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.18	0.00	0.027	0.000	7.347	0.00	16.46
89.00	Safety Cable	Yes	4.00	0.000	0.38	0.86	0.00	0.028	0.000	7.419	0.00	8.61
	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.95	0.00	0.028	0.000	7.419	0.00	13.23
	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.028	0.000	7.436	0.00	2.15
	Step boits (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.028	0.000	7.436	0.00	3.31
	Safety Cable	Yes	4.00	0.000	0.38	0.87	0.00	0.029	0.000	7.504	0.00	8.68
	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.95	0.00	0.029	0.000	7.504	0.00	13.31
	Safety Cable Step bolts (ladder)	Yes	1.00	0.000	0.38	0.22	0.00	0.029	0.000	7.521	0.00	2.17
	Safety Cable	Yes	1.00	0.000	0.63	0.24	0.00	0.029	0.000	7.521	0.00	3.33
100.00	Galety Gable	Yes	5.00 right © 2023	0.000	0.38	1.09	0.00	0.029	0.000	7.603	0.00	10.95

di la cara da la cara	1 1	inear Appur	tenan	ice Segment F	orces (Fact	tored)		
Height:	CT28285-A Thompson 3 CT 139.00 (ft)			Code: Exposure: Crest Height: Site Class:	TIA-222-H C 0.00 D - Stiff Soil	8/9/2023	SBA	<b>))</b>
Base Elev: Gh:	0.000 (ft) 1.1	Topography:	1	Struct Class:		Page: 23	3	_
Dea	: 1.2D + 1.0Di + 1 ad Load Factor ad Load Factor	.0Wi 50 mph Wi 1.20 1.00	ind			Z X	Iterations	20

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (Ib)
		Yes	5.00	0.000	0.63	1.19	0.00	0.029	0.000	7.603	0.00	16.74
00.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	1.09	0.00	0.030	0.000	7.681	0.00	11.03
05.00	Safety Cable	Yes	5.00	0.000	0.63	1.20	0.00	0.030	0.000	7.681	0.00	16.83
05.00	Step bolts (ladder)		5.00	0.000	0.38	1.10	0.00	0.032	0.000	7.757	0.00	11.11
10.00	Safety Cable	Yes	5.00	0.000	0.63	1.20	0.00	0.032	0.000	7.757	0.00	16.92
110.00	Step bolts (ladder)	Yes	4.00	0.000	0.38	0.88	0.00	0.033	0.000	7.816	0.00	8.94
114.00	Safety Cable	Yes	4.00	0.000	0.63	0.96	0.00	0.033	0.000	7.816	0.00	13.59
114.00	Step bolts (ladder)	Yes	4.00	0.000	0.38	0.22	0.00	0.033	0.000	7.830	0.00	2.24
115.00	Safety Cable	Yes	1.00	0.000	0.63	0.24	0.00	0.033	0.000	7.830	0.00	3.40
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	1.11	0.00	0.034	0.000	7.900	0.00	11.26
120.00	Safety Cable	Yes		0.000	0.63	1.21	0.00	0.034	0.000	7.900	0.00	17.08
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	1.11	0.00	0.036	0.000	7.969	0.00	11.34
125.00	Safety Cable	Yes	5.00	0.000	0.63	1.21	0.00	0.036	0.000	7.969	0.00	17.15
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.03	1.11	0.00	0.037	0.000	8.035	0.00	11.41
130.00	Safety Cable	Yes	5.00	0.000	0.63	1.22	0.00	0.037	0.000	8.035	0.00	17:23
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	1.12	0.00	0.039	0.000	8.099	0.00	11.47
135.00	Safety Cable	Yes	5.00	0.000	0.63	1.22	0.00	0.039	0.000	8.099	0.00	17.30
135.00	Step bolts (ladder)	Yes	5.00		0.03	0.45	0.00	0.040	0.000	8.124	0.00	4.60
37.00	Safety Cable	Yes	2.00	0.000	0.63	0.49	0.00	0.040	0.000	8,124	0.00	6.93
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.83	0.45	0.00	0.041	0.000	8.149	0.00	4.61
139.00	Safety Cable	Yes	2.00	0.000		0.45	0.00	0.041	0.000	8.149	0.00	6.94
139.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.041		tals:	0.0	721.9

1

1.85	Calculated Forces													
Site Heig	Name:		• •		pograph	<b>y</b> : 1	Code: Exposure Crest Hei Site Class Struct Cla	: C ght:0.0 5: D-	A-222-H 00 - Stiff Soi	1		'9/2023 age: 24	SBA	
Load	Dea	d Loa	+ 1.0Di d Facto d Facto	o <b>r</b> 1.2		Wind				2	j.		erations	20
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-44.13	-5.70	0.00	-495.54	0.00	495.54	5289.63	1345.01	6159.16	6006.61	0.00	0.000	0.000	0.091
5.00	-42.23	-5.55	0.00	-467.07	0.00	467.07	5214.12	1316.19	5898.01	5792.99	0.00	-0.023	0.000	0.091
10.00	-40.33	-5.41	0.00	-439.32	0.00	439.32	5136.95	1287.37	5642.52	5581.27	0.05	-0.023	0.000	0.089
15.00	-38.47	-5.27	0.00	-412.28	0.00	412.28	5058.12	1258.55	5392.69	5371.57	0.00	-0.070	0.000	0.087
20.00	-36.64	-5.12	0.00	-385.95	0.00	385.95	4977.64	1229.72	5148.52	5164.03	0.20	-0.093	0.000	0.084
25.00	-34.84	-4.96	0.00	-360.37	0.00	360.37	4895.50	1200.90	4910.00	4958.75	0.20	-0.033	0.000	
30.00	-33.07	-4.80	0.00	-335.56	0.00	335.56	4811.70	1172.08	4677.14	4755.86	0.31	-0.141		0.080
35.00	-31.35	-4.64	0.00	-311.55	0.00	311.55	4726.25	1143.25	4449.94	4555.49	0.44		0.000	0.077
40.00	-29.65	-4.48	0.00	-288.34	0.00	288.34	4639.13	1114.43	4449.94	4357.75	0.80	-0.164	0.000	0.075
44.00	-28.33	-4.34	0.00	-270.43	0.00	270.43	4568.25	1091.37	4226.39	4357.75		-0.188	0.000	0.073
45.00	-27.78	-4.31	0.00	-266.09	0.00	266.09	4550.36	1085.61	4035.23		0.95	-0.207	0.000	0.071
50.00	-25.07	-4.14	0.00	-244.53	0.00	244.53	3711.04	922.79	3382.36	4162.77	1.00	-0.212	0.000	0.070
55.00	-23.64	-3.97	0.00	-223.84	0.00	223.84	3641.81	898.08		3371.17	1.23	-0.235	0.000	0.079
60.00	-22.24	-3.80	0.00	-203.99	0.00	203.99	3570.92	873.38	3203.68 3029.84	3218.96	1.49	-0.258	0.000	0.076
65.00	-20.88	-3.63	0.00	-184.98	0.00	184.98	3498.38			3068.73	1.77	-0.284	0.000	0.073
69.00	-19.81	-3.50	0.00	-170.44	0.00	170.44		848.67	2860.86	2920.59	2.08	-0.309	0.000	0.069
69.00	-19.81	-3.50	0.00	-170.44	0.00	170.44	3439.15	828.91	2729.16	2803.67	2.35	-0.329	0.000	0.067
70.00	-19.55	-3.47	0.00	-166.95	0.00		3439.15	828.91	2729.16	2803.67	2.35	-0.329	0.000	0.067
75.00	-18.26	-3.30	0.00	-149.60	0.00	166.95	3424.18	823.97	2696.72	2774.67	2.42	-0.334	0.000	0.066
80.00	-17.00	-3.14	0.00	-133.09	0.00	149.60	3348.32	799.26	2537.43	2631.09	2.78	-0.358	0.000	0.062
80.00	-17.00	-3.14	0.00	-133.09	0.00	133.09	3270.81	774.56	2383.00	2489.96	3.17	-0.382	0.000	0.059
85.00	-15.92	-2.98	0.00	-117.39		133.09	2592.90	646.55	1992.53	1980.55	3.17	-0.382	0.000	0.074
89.00	-15.08	-2.85	0.00	-105.48	0.00 0.00	117.39	2535.53	625.97	1867.66	1874.55	3.59	-0.405	0.000	0.069
90.00	-14.76	-2.82	0.00	-105.46	0.00	105.48	2488.45	609.50	1770.67	1790.92	3.94	-0.427	0.000	0.065
94.00	-13.49	-2.62	0.00	-102.63	0.00	102.63	2476.51	605.38	1746.83	1770.18	4.03	-0.433	0.000	0.064
95.00	-13.31	-2.66	0.00	-88.66		91.35	1825.44		1366.80		4.40	-0.454	0.000	0.078
100.00	-12.45	-2.51	0.00	-00.00 -75.37	0.00	88.66	1817.68		1348.06	1278.19	4.49	-0.459	0.000	0.077
105.00	-11.61	-2.31	0.00	-75.37 -62.84	0.00 0.00	75.37	1777.84	459.20	1256.32	1206.58	4.99	-0.488	0.000	0.069
110.00	-10.80	-2.30	0.00	-62.84 -51.07		62.84	1736.35	442.73	1167.82	1135.84	5.52	-0.516	0.000	0.062
114.00	-10.30	-2.20	0.00	-51.07	0.00	51.07	1693.20	426.26	1082.54	1066.08	6.07	-0.541	0.000	0.054
114.00	-10.17	-2.09	0.00	-42.25 -42.25	0.00	42.25	1657.49	413.08	1016.65	1011.08	6.53	-0.559	0.000	0.048
115.00	-10.17	-2.09			0.00	42.25	1114.05	310.46	765.71	682.44	6.53	-0.559	0.000	0.071
120.00	-10.04 -9.40	-2.06 -1.92	0.00	-40.17	0.00	40.17	1109.31	307.99	753.57	674.10	6.65	-0.564	0.000	0.069
125.00	-9.40 -8.78		0.00	-29.87	0.00	29.87	1084.65	295.64	694.33	632.51	7.25	-0.589	0.000	0.056
125.00		-1.78	0.00	-20.27	0.00	20.27	1058.34	283.29	637.52	591.21	7.88	-0.610	0.000	0.043
	-8.18	-1.65	0.00	-11.36	0.00	11.36	1030.37	270.93	583.14	550.32	8.53	-0.625	0.000	0.029
135.00	-7.61	-1.52	0.00	-3.13	0.00	3.13	1000.74	258.58	531.18	509.95	9.19	-0.633	0.000	0.014
137.00	-0.20	-0.05	0.00	-0.10	0.00	0.10	988.42	253.64	511.07	493.97	9.46	-0.634	0.000	0.000
139.00	0.00	-0.05	0.00	0.00	0.00	0.00	975.84	248.70	491.35	478.11	9.72	-0.634	0.000	0.000

			Seismic Se	gment F	orces (	Factor	ed)			
Chrysel	ture: CT28285-A			Code:		TIA-222	-H	8/9/2023		
Struct				Expos		С				
Site N				-	Height: (				SBA	20
Heigh	t: 139.00 (ft)						0-11		JDA	
Base	Elev: 0.000 (ft)			Site C		D - Stiff	Soll			
Gh:	1.1	Торо	graphy: 1	Struct	Class:			Page: 25		
heo i	Case: 1.2D + 1.0Ev +	1.0Eh						- Ya Ito	erations	19
	ust Response Factor	1.10				Sds	0.20	X	Ss	0.18
	Dead Load Factor	1.20	Seismic Load	Factor	1.00	Sd1	0.09	Z	S1	0.06
	Wind Load Factor	0.00	Structure Freq	uency (f1	) 0.56	SA	0.05	Seismic Importance	Factor	1.00
Тор					Vertical	Latera	1			
Elev			Wz	Hz	Ev	Fs			1	R: 1.50
(ft)	Description	_	(lb)	(Ib)	(Ib)	(lb)	-			
0.00			0.00	0.00	0.00	0.0				
5.00			1349.4	2.50	52.97	0.1				
10.00			1321.4	7.50	51.87	0.9				
15.00			1293.5	12.50	50.78	2.1 3.5				
20.00			1265.6	17.50	49.68	3.5 5.1				
25.00			1237.6	22.50	48.58 47.49	6.8				
30.00			1209.7	27.50	47.49 46.39	8.6				
35.00			1181.7	32.50	46.39 45.29	10.5				
40.00			1153.8	37.50	45.29 35.44	8.4				
44.00	Bot - Section 2		902.95	42.00 44.50	15.98	2.5				
45.00			407.13	44.50	78.68	38.1				
50.00	Top - Section 1		2004.5 942.10	52.50	36.98	13.0				
55.00			942.10	57.50	36.04	14.5				
60.00			894.20	62.50	35.10	15.9				
65.00			698.12	67.00	27.40	11.9				
69.00	Top - Section 2		172.13	69.50	6.76	1.2	8			
70.00			846.30	72.50	33.22	18.6	0			
75.00	Top - Section 3		822.35	77.50	32.28	19.8	0			
80.00 85.00	Top - Section 5		676.30	82.50	26.55	15.9	3			
89.00	Bot - Section 5		526.67	87.00	20.67	11.5	54			
90.00	Dot - Dection o		225.41	89.50	8.85	3.0	1			
	Top - Section 4		887.28	92.00	34.83	29.6				
95.00			104.44	94.50	4.10	0.9				
100.00			512.63	97.50	20.12	13.3				
105.00			496.66	102.50	19.50	13.7				
110.00			480.70	107.50	18.87	14.0				
114.00	Top - Section 5		373.06	112.00	14.64	9.9				
115.00			71.85	114.50	2.82	0.6				
120.00			352.07	117.50	13.82	9.7				
125.00			340.10	122.50	13.35	9.8				
130.00			328.12	127.50	12.88	9.9				
135.00			316.15	132.50	12.41	9.9 523 9				
137.00	Appurtenance(s)		3508.8	136.00	137.73	533.8 1.6				
139.00			100.55	138.00	3.95	1.0				3.7

Calculated Forces													
Struc	cture:	CT28	285-A				Code:	TI	A-222-ł	4	8/9/2023	2	
Site I	Name:		pson 3	СТ			Exposure		~~~~~~	•	0/9/2023	2	
Heig		139.0		01			-		~~			6	
-			• •				Crest Hei	-				SBA	))
	Elev:	0.000	(ff)				Site Class	s: D	- Stiff S	oil			
Gh:		1.1	_	То	pography	/: 1	Struct Cla	ass: II			Page: 26	3	
Load	Case:	1.2D	+ 1.0Ev	v + 1.0E	h						×4	Iterations	19
G	ust Res	sponse	e Facto	r 1.1	0				Sds (	).20	X	Ss	0.18
	Dea	d Load	d Facto	<b>r</b> 1.2	0 Seism	ic Load Fa	ctor	1.00		0.09		S1	
			d Facto			ure Freque		0.56			mic Importan		0.06
Seg	Pu	Vu	Tu	Mu									1.00
Elev	FY (-)	FX (-)	MY (-)	MZ	Mu MX	Resultant Moment	phi Pn	phi Vn	phi Tn	phi Mn	Total Rotation Deflect Sway	on Rotation	Stress
(ft)	(kips)				(ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips		(in) (deg)		Stress Ratio
0.00	-34.28	-0.87	0.00	-101.50	0.00	101.50	5289.63	1345.01			0.00	0.00	0.023
5.00	-32.62	-0.87	0.00	-97.14	0.00	97.14	5214.12	1316.19	5898.0	1 5792.99	0.00	0.00	0.023
10.00	-30.99	-0.87	0.00	-92.77	0.00	92.77	5136.95	1287.37		2 5581.27	0.01	-0.01	0.023
15.00	-29.40	-0.88	0.00	-88.40	0.00	88.40	5058.12	1258.55		9 5371.57	0.02	-0.01	0.022
20.00 25.00	-27.84 -26.32	-0.87	0.00	-84.02	0.00	84.02	4977.64	1229.72		2 5164.03	0.04	-0.02	0.022
20.00	-20.32	-0.87 -0.87	0.00	-79.66	0.00	79.66	4895.50	1200.90			0.06	-0.02	0.021
35.00	-24.03 -23.38	-0.87	0.00 0.00	-75.30 -70.98	0.00	75.30	4811.70	1172.08			0.09	-0.03	0.021
40.00	-21.96	-0.85	0.00	-66.69	0.00 0.00	70.98	4726.25	1143.25			0.13	-0.04	0.021
44.00	-20.85	-0.84	0.00	-63.30	0.00	66.69	4639.13		4228.3		0.17	-0.04	0.020
45.00	-20.35	-0.84	0.00	-62.46	0.00	63.30	4568.25	1091.37			0.20	-0.05	0.020
50.00	-17.88	-0.80	0.00	-58.27	0.00	62.46 58.27	4550.36 3711.04	1085.61			0.21	-0.05	0.019
55.00	-16.72	-0.79	0.00	-54.27	0.00	54.27	3641.81	922.79 898.08	3382.3 3203.6		0.27	-0.05	0.022
60.00	-15.60	-0.77	0.00	-50.33	0.00	50.33	3570.92	873.38		-	0.32 0.39	-0.06	0.021
65.00	-14.50	-0.76	0.00	-46.47	0.00	46.47	3498.38	848.67			0.39	-0.06 -0.07	0.021 0.020
69.00	-13.64	-0.75	0.00	-43.44	0.00	43.44	3439.15	828.91	2729.1		0.40	-0.07	0.020
69.00	-13.64	-0.75	0.00	-43.44	0.00	43.44	3439.15	828.91	2729.1		0.52	-0.08	0.019
70.00	-13.43	-0.74	0.00	-42.69	0.00	42.69	3424.18	823.97			0.53	-0.08	0.019
75.00	-12.40	-0.73	0.00	-38.97	0.00	38.97	3348.32	799.26	2537.4		0.62	-0.08	0.019
80.00	-11.39	-0.71	0.00	-35.34	0.00	35.34	3270.81	774.56	2383.0	2489.96	0.71	-0.09	0.018
80.00	-11.39	-0.71	0.00	-35.34	0.00	35.34	2592.90	646.55	1992.5	3 1980.55	0.71	-0.09	0.022
85.00	-10.56	-0.69	0.00	-31.81	0.00	31.8 <b>1</b>	2535.53	625.97	1867.60	6 1874.55	0.80	-0.10	0.021
89.00	-9.92	-0.68	0.00	-29.05	0.00	29.05	2488.45	609.50	1770.67		0.89	-0.10	0.020
90.00	-9.64	-0.67	0.00	-28.38	0.00	28.38	2476.51			3 1770.18	0.91	-0.10	0.020
94.00 95.00	-8.55 -8.43	-0.64 -0.64	0.00	-25.68	0.00	25.68	1825.44	478.96		1292.61	1.00	-0.11	0.025
95.00 100.00	-8.43 -7.80	-0.64 -0.63	0.00	-25.03	0.00	25.03	1817.68	475.67	1348.00		1.02	-0.11	0.024
105.00	-7.80	-0.63	0.00 0.00	-21.82 -18.67	0.00	21.82	1777.84	459.20			1.14	-0.12	0.022
110.00	-6.61	-0.62	0.00	-18.67	0.00 0.00	18.67	1736.35	442.73	1167.8		1.27	-0.13	0.021
114.00	-6.16	-0.59	0.00	-13.19	0.00	15.59 13.19	1693.20	426.26	1082.54		1.40	-0.13	0.019
114.00	-6.16	-0.59	0.00	-13.19	0.00	13.19	1657.49 1114.05	413.08 310.46	1016.65 765.71		1.52	-0.14	0.017
115.00	-6.07	-0.59	0.00	-12.60	0.00	12.60	1109.31	310.46	753.57		1.52	-0.14	0.025
120.00	-5.65	-0.58	0.00	-9.65	0.00	9.65	1084.65	295.64	694.33		1.55 1.70	-0.14	0.024
125.00	-5.24	-0.57	0.00	-6.74	0.00	6.74	1058.34	283.29	637.52		1.86	-0.15 -0.16	0.020
130.00	-4.85	-0.56	0.00	-3.90	0.00	3.90	1030.37	270.93	583.14		2.03	-0.16	0.016 0.012
135.00	-4.47	-0.55	0.00	-1.10	0.00	1.10	1000.74	258.58	531.18		2.00	-0.16	0.012
137.00	-0.12	0.00	0.00	0.00	0.00	0.00	988.42	253.64	511.07		2.20	-0.16	0.007
139.00	0.00	0.00	0.00	0.00	0.00	0.00	975.84	248.70	491.35		2.33	-0.16	0.000

W			Selsmic Se	ament F	orces (	Factor	ed)			1
λ.	0700005 4		Servine er	Code:		TIA-222		8/9/2023		
Struct				Expos		C				
Site N	lame: Thompson 3 C			•					SBA	
Heigh	nt: 139.00 (ft)				Height: (				SDA	
Base	Elev: 0.000 (ft)			Site C	lass:	D - Stiff	Soil			
Gh:	1.1	Торо	graphy: 1	Struct	Class:	I		Page: 27		
								X.A.		4.0
Load	Case: 0.9D + 1.0Ev	+ 1.0Eh							Iterations	19
Gu	ust Response Factor	1.10				Sds	0.20	a start	Ss	0.18
	Dead Load Factor	0.90	Seismic Load	Factor	1.00	Sd1	0.09	5	S1	0.06
	Wind Load Factor	0.00	Structure Fred	uency (f1	) 0.56	SA	0.05	Seismic Importan	ce Factor	1.00
Тор					Vertical	Latera	1			
Elev			Wz	Hz	Ev (Ib)	Fs (lb)				R: 1.50
(ft)	Description		(lb)	(lb)	(Ib)					
0.00			0.00	0.00	0.00	0.0 0.1				
5.00			1334.5	2.50	52.39	0.1				
10.00			1306.6	7.50	51.29 50.19	2.0				
15.00			1278.6	12.50		3.5				
20.00			1250.7	17.50	49.10	5.0				
25.00			1222.7	22.50	48.00					
30.00			1194.8	27.50	46.90	6.7				
35.00			1166.9	32.50	45.81	8.5				
40.00			1138.9	37.50	44.71	10.4				
44.00	Bot - Section 2		891.06	42.00	34.98	8.4				
45.00			404.16	44.50	15.86	2.5				
50.00	Top - Section 1		1989.6	47.50	78.10	38.2				
55.00			927.23	52.50	36.40	12.9				
60.00			903.28	57.50	35.46	14.3				
65.00			879.33	62.50	34.52	15.7				
69.00	Top - Section 2		686.22	67.00	26.94	11.7				
70.00			169.16	69.50	6.64	1.2				
75.00			831.43	72.50	32.64	18.3				
80.00	Top - Section 3		807.48	77.50	31.70	19.5				
85.00			661.43	82.50	25.96	15.5				
89.00	Bot - Section 5		514.78	87.00	20.21	11.2				
90.00			222.44	89.50	8.73	2.9				
	Top - Section 4		875.38	92.00	34.36	29.4				
95.00			101.47	94.50	3.98	0.9				
100.00			497.76	97.50	19.54	12.8				
105.00			481.79	102.50	18.91	13.2				
110.00			465.83	107.50	18.29	= 13.5				
114.00	Top - Section 5		361.16	112.00	14.18	9.5				
115.00			68.88	114.50	2.70	0.6				
120.00			337.20	117.50	13.24	9.2				
125.00			325.23	122.50	12.77	9.3				
130.00			313.25	127.50	12.30	9.3				
135.00			301.28	132.50	11.83	9.3				
137.00	Appurtenance(s)		3502.8	136.00	137.50	540.2				
139.00			99.76	138.00	3.92	1.6				
		Totals	: 27,513.6		1,080.0	869	.9	Total Win	id: 20,48	3./

Calculated Forces													
Struc	cture:	<b>CT28</b>	285-A				Code:	TI	A-222-H	4	9/0/2025	1	
	Name:		pson 3	СТ					m-222-F	1	8/9/2023	2	
				UI I			Exposure					<u> </u>	
Heig		139.0	• •				Crest Hei	-	00			SBA	
Base	Elev:	0.000	(ft)				Site Clas	s: D	- Stiff S	oil		L	
Gh:		1.1		То	pography	<b>y:</b> 1	Struct Cla	ass: li			Page: 28	3	
Load	d Case:	0.9D	+ 1.0E	v + 1.0E	h						¥4	Iterations	19
G	ust Res	sponse	e Facto	<b>r</b> 1.1	0			:	Sds (	.20	X	Ss	0.18
	Dea	d Load	d Facto	<b>r</b> 0.9	0 Seism	ic Load Fa	ctor	1.00	<b>Sd1</b> 0	.09 3		S1	0.06
	Win	d Load	d Facto	<b>r</b> 0.0	0 Struct	ure Freque	ncy (f1)	0.56	SA 0	.05 <b>Seis</b>	mic Importan		1.00
Seg	Pu	Vu	Tu	Mu	Mu	Resultant	phi	phi	phi	phi		on Rotation	
Elev	FY (-)	FX (-)	MY (-)	MZ	MX	Moment	Pn	Vn	Tn	Mn	Deflect Sway		Stress
(ft) 0.00	(kips) -25.96	(kips) -0.87		(ft-kips)		(ft-kips)	(kips)	(kips)	(ft-kips		(in) (deg)	(deg)	Ratio
5.00	-25.96 -24.71	-0.87	0.00 0.00	-101.23 -96.88	0.00	101.23	5289.63	1345.01			0.00	0.00	0.022
10.00	-23.47	-0.87	0.00	-90.66	0.00 0.00	96.88 92.52	5214.12	1316.19			0.00	0.00	0.021
15.00	-22.27	-0.87	0.00	-88.15	0.00	88.15	5136.95 5058.12	1287.37 1258.55			0.01	-0.01	0.021
20.00	-21.09	-0.87	0.00	-83.78	0.00	83.78	4977.64	1238.33			0.02 0.04	-0.01 -0.02	0.021
25.00	-19.94	-0.87	0.00	-79.43	0.00	79.43	4895.50	1200.90			0.04	-0.02	0.020 0.020
30.00	-18.81	-0.86	0.00	-75.09	0.00	75.09	4811.70	1172.08			0.09	-0.03	0.020
35.00	-17.71	-0.85	0.00	-70.78	0.00	70.78	4726.25	1143.25	4449.94		0.13	-0.04	0.019
40.00	-16.64	-0.84	0.00	-66.51	0.00	66.51	4639.13	1114.43	4228.3	4357.75	0.17	-0.04	0.019
44.00	-15.79	-0.84	0.00	-63.14	0.00	63.14	4568.25	1091.37	4055.23	3 4201.54	0.20	-0.05	0.018
45.00 50.00	-15.41	-0.83	0.00	-62.30	0.00	62.30	4550.36	1085.61			0.21	-0.05	0.018
55.00	-13.54 -12.67	-0.80 -0.78	0.00 0.00	-58.13	0.00	58.13	3711.04	922.79	3382.36		0.26	-0.05	0.021
60.00	-12.07	-0.78	0.00	-54.15 -50.24	0.00 0.00	54.15	3641.81	898.08	3203.68		0.32	-0.06	0.020
65.00	-10.98	-0.75	0.00	-46.39	0.00	50.24 46.39	3570.92	873.38			0.39	-0.06	0.020
69.00	-10.33	-0.74	0.00	-43.37	0.00	40.39	3498.38 3439.15	848.67 828.91	2860.86		0.46	-0.07	0.019
69.00	-10.33	-0.74	0.00	-43.37	0.00	43.37	3439.15	828.91	2729.16		0.52 0.52	-0.07	0.018
70.00	-10.17	-0.74	0.00	-42.63	0.00	42.63	3424.18	823.97			0.52	-0.07 -0.08	0.018 0.018
75.00	-9.39	-0.72	0.00	-38.93	0.00	38.93	3348.32	799.26	2537.43		0.62	-0.08	0.018
80.00	-8.63	-0.70	0.00	-35.32	0.00	35.32	3270.81	774.56			0.70	-0.09	0.013
80.00	-8.63	-0.70	0.00	-35.32	0.00	35.32	2592.90	646.55	1992.53		0.70	-0.09	0.021
85.00	-8.00	-0.69	0.00	-31.80	0.00	31.80	2535.53	625.97	1867.66		0.80	-0.10	0.020
89.00	-7.51	-0.68	0.00	-29.06	0.00	29.06	2488.45	609.50	1770.67		0.88	-0.10	0.019
90.00	-7.30	-0.67	0.00	-28.38	0.00	28.38	2476.51			1770.18	0.90	-0.10	0.019
94.00	-6.48	-0.64	0.00	-25.69	0.00	25.69	1825.44		1366.80		0.99	-0.11	0.023
95.00 100.00	-6.38	-0.64	0.00	-25.05	0.00	25.05	1817.68	475.67			1.02	-0.11	0.023
105.00	-5.91 -5.45	-0.63 -0.61	0.00 0.00	-21.84	0.00	21.84	1777.84	459.20	1256.32		1.14	-0.12	0.021
110.00	-5.45 -5.01	-0.60	0.00	-18.70 -15.63	0.00 0.00	18.70	1736.35				1.26	-0.13	0.020
114.00	-4.67	-0.59	0.00	-13.63	0.00	15.63 13.22	1693.20 1657.49	426.26	1082.54		1.40	-0.13	0.018
114.00	-4.67	-0.59	0.00	-13.22	0.00	13.22	1657.49 1114.05	413.08 310.46	1016.65 765.71		1.51 1.51	-0.14	0.016
115.00	-4.60	-0.59	0.00	-12.63	0.00	12.63	1109.31	307.99	753.57		1.51	-0.14 -0.14	0.024
120.00	-4.28	-0.58	0.00	-9.68	0.00	9.68	1084.65	295.64	694.33		1.54	-0.14 -0.15	0.023 0.019
125.00	-3.97	-0.57	0.00	-6.77	0.00	6.77	1058.34	283.29	637.52		1.86	-0.15	0.019
130.00	-3.67	-0.56	0.00	-3.91	0.00	3.91	1030.37	270.93	583.14		2.02	-0.16	0.015
135.00	-3.38	-0.55	0.00	-1.11	0.00	1.11	1000.74	258.58	531.18		2.19	-0.16	0.006
137.00	-0.09	0.00	0.00	0.00	0.00	0.00	988.42	253.64	511.07		2.26	-0.16	0.000
139.00	0.00	0.00	0.00	0.00	0.00	0.00	975.84	248.70	491.35		2.33	-0.16	0.000

				d Loading - St			
Structure:	CT28285-A			Code:	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT			Exposure:	С		
Height:	139.00 (ft)			Crest Height:	0.00		SBA 🔊
Base Elev:	0.000 (ft)			Site Class:	D - Stiff Soil		
Gh:	1.1	Topography:	1	Struct Class:	II	Page: 29	
Lood Coco	: 1.0D + 1.0W 60	mph Wind				1 N	terations 2
Loau Case							
	d Load Factor	1.00				X	
Dea		1.00 1.00				Z Z Z Z	

Élev (ft) De	scription	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Force X (Ib)	Load Ice (Ib)	Load (Ib)
0.00		1.00	0.85	6.579	7.24	258.83	0.730	0.000	0.00		0.00	0.0	0.0	0.0
5.00		1.00	0.85	6.579	7.24	253.33	0.730	0.000	5.00	23.287	17.00	123.0	0.0	1290.0
10.00		1.00	0.85	6.579	7.24	247.83	0.730	0.000	5.00	22.786	16.63	120.4	0.0	1262.0
15.00		1.00	0.85	6.579	7.24	242.33	0.730	0.000		22.286	16.27	117.7	0.0	1234.1
20.00		1.00	0.90	6.980	7.68	243.94	0.730	0.000		21.785	15.90	122.1	0.0	1206.1
25.00		1.00	0.95	7.316	8.05	243.94	0.730	0.000		21.285	15.54	125.0	0.0	1178.2
30.00		1.00	0.98	7.602	8.36	242.75	0.730	0.000	5.00	20.784	15.17	126.9	0.0	1150.2
35.00		-1.00 -	1.01	7.853	8.64	240.71	0.730	0.000		20.284	14.81	127.9	0.0	1122.3
40.00		1.00	1.04	8.077	8.88	238.02	0.730	0.000		19.784	14.44	128.3	0.0	1094.4
44.00 Bot - Se	ction 2	1.00	1.06	8.241	9.06	235.49	0.730	0.000	4.00	15.467	11.29	102.3	0.0	855.4
45.00		1.00	1.07	8.280	9.11	234.81	0.730	0.000	1.00	3.880	2.83	25.8	0.0	395.2
50.00 Top - Se	ection 1	1.00	1.09	8.466	9.31	231.19	0.730	0.000		19.100	13.94	129.8	0.0	1945.1
55.00		1.00	1.12	8.637	9.50	231.21	0.730	0.000		18.600	13.58	129.0	0.0	882.6
60.00		1.00	1.14	8.797	9.68	226.98	0.730	0.000		18.099	13.21	127.9	0.0	858.7
65.00		1.00	1.16	8.946	9.84	222.48	0.730	0.000		17.599	12.85	126.4	0.0	834.7
69.00 Top - Se	ection 2	1.00	1.17	9.060	9.97	218.72	0.730	0.000	4.00	13.719	10.01	99.8	0.0	650.5
70.00		1.00	1.17	9.087	10.00	217.76	0.730	0.000	1.00	3.380	2.47	24.7	0.0	160.2
75.00		1.00	1.19	9.220	10.14	212.83	0.730	0.000		16.598	<b>12</b> .12	122.9	0.0	786.8
80.00 Top - Se	ection 3	1.00	1.21	9.346	10.28	207.72	0.730	0.000		16.098	11.75	120.8	0.0	762.9
85.00		1.00	1.22	9.466	10.41	202.45	0.730	0.000		15.597	11.39	118.6	0.0	616.8
89.00 Bot - Se	ction 5	1.00	1.23	9.558	10.51	198.12	0.730	0.000		12.118	8.85	93.0	0.0	479.1
90.00		1.00	1.24	9.581	10.54	197.03	0.730	0.000	1.00	3.022	2.21	23.2	0.0	213.5
94.00 Top - Se	ection 4	1.00	1.25	9.669	10.64	192.60	0.730	0.000	4.00	11.886	8.68	92.3	0.0	839.7
95.00		1.00	1.25	9.690	10.66	194.30	0.730	0.000	1.00	2.922	2.13	22.7	0.0	92.5
00.00		1.00	1.27	9.796	10.78	188.64	0.730	0.000		14.308	10.44	112.5	0.0	453.2
05.00		1.00	1.28	9.897	10.89	182.86	0.730	0.000		13.807	10.08	109.7	0.0	437.2
10.00		1.00	1.29	9.994	10.99	176.97	0.730	0.000		13.307	9.71	106.8	0.0	421.2
14.00 Top - Se	ection 5	1.00	1.30	10.070	11.08	172.19	0.730	0.000		10.285	7.51	83.2	0.0	325.5
15.00		1.00	1.30	10.088	11.10	170.99	0.730	0.000		2.521	1.84	20.4	0.0	60.0
20.00		1.00	1.32	10.179	11.20	164.91	0.730	0.000		12.306	8.98	100.6	0.0	292.6
25.00		1.00	1.33	10.267	11.29	158.75	0.730	0.000		11.806	8.62	97.3	0.0	280.6
30.00		1.00	1.34	10.352	11.39	152.50	0.730	0.000		11.305	8.25	94.0	0.0	268.6
35.00		1.00	1.35	10.435	11.48	146.18	0.730	0.000		10.805	7.89	90.5	0.0	256.7
137.00 Appurte	nance(s)	1.00		10.467	11.51	143.63	0.730	0.000	2.00	4.182	3.05	35.1	0.0	99.3
39.00		1.00		10.499	11.55	141.07	0.730	0.000	2.00	4.102	2.99	34.6	0.0	97.4
								Totals:	139.00			3,235.5		22,903.3

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82

Discrete Appurtenance Forces														
St	ructure:	CT28285-A				Co	de:		TIA-222-H	1	8/9	/2023		
Sit	te Name:	Thompson 3 CT				Ex	posure	e:	с					
He	ight:	139.00 (ft)					est Hei		0.00			ſ	SBA	
Ba	se Elev:	0.000 (ft)					e Clas	<b>-</b>	D - Stiff S	oil		l	307	• 🖤
Gh		1.1	Торо	graphy	: 1		ruct Cl		ll		Paç	ge: 30		
Lo	ad Case:	: 1.0D + 1.0W 60	mph W	/ind							YA	ltei	rations	20
	Dea	d Load Factor	1.00									x		
	Win	d Load Factor	1.00								2			
No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (Ib)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (!b-ft)
1	137.00 Lov	w profile platform	1	10.467	11.514	1.00	1.00	50.20	2224.79	0.000	0.000	577.98	0.00	0.00
2		X-6514DS-A1M	3	10.467	11.514	0.62	0.75	17.18	96.30	0.000	0.000	197.82	0.00	0.00
3	137.00 MT		3	10.467	11.514	0.52	0.75	7.37	261.30	0.000	0.000	84.87	0.00	0.00
4		NHH-1D65B	6	10.467	11.514	0.62	0.75	30.48	240.00	0.000	0.000	350.91	0.00	0.00
5		/B66A RRH-BR049	3	10.467	11.514	0.62	0.75	3.51	253.20	0.000	0.000	40.42	0.00	0.00
6		/B13 RRH-BR04C	3	10.467	11.514	0.58	0.75	3.26	210.90	0.000	0.000	37.50	0.00	0.00
7 8		3DC-3315-PF-48 elus KA-6030	2 2	10.467 10.467	11.514 11.514	0.62 0.62	0.75	3.75	64.00 35.20	0.000 0.000	0.000	43.15 13.76	0.00	0.00 0.00
	<u>8 137.00 Kaelus KA-6030 2 10.467 11.514 0.62 0.75 1.20 35.20 0.000 0.000 13.76 0.00 0.00</u> <b>Totals: 3.385.69 1.346.40</b>													

		To	tal App	lied Force St	ummary	1	
Structure:	CT28285-A			Code:	TIA-222-H	8/9/2023	
	Thompson 3 CT			Exposure:	С		
Height:	139.00 (ft)			Crest Height:	0.00		SBA 🔊
Base Elev:				Site Class:	D - Stiff Soil		
Gh:	1.1	Topography:	1	Struct Class:		Page: 31	
	· 1 0D + 1 0W 60	and Mind				×.	terations 20

X

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

Dead Load Factor1.00Wind Load Factor1.00

Elev (ft)	Description	Lateral FX (-) (Ib)	Axial FY (-) (lb)	Torsion MY (Ib-ft)	Moment MZ (Ib-ft)	-17	
0.00		0.00	0.00	0.00	0.00		
5.00		123.02	1339.52	0.00	0.00		
10.00		120.38	1311.58	0.00	0.00		
15.00		117.73	1283.64	0.00	0.00		
20.00		122.11	1255.69	0.00	0.00		
25.00		125.05	1227.75	0.00	0.00		
30.00		126.89	<b>1199.8</b> 1	0.00	0.00		
35.00		127.91	1171.87	0.00	0.00		
40.00		128.32	1143.92	0.00	0.00		
44.00		102.35	895.02	0.00	0.00		
45.00		25.80	405.15	0.00	0.00		
50.00		129.84	1994.62	0.00	0.00		
55.00		129.00	932.19	0.00	0.00		
60.00		127.85	908.24	0.00	0.00		
65.00		126.43	884.29	0.00	0.00		
69.00		99.80	690.19	0.00	0.00		
70.00		24.66	170.15	0.00	0.00		
75.00		122.89	836.39	0.00	0.00		
80.00		120.81	812.44	0.00	0.00		
85.00		118.56	666.39	0.00	0.00		
89.00		93.01	518.74	0.00	0.00		
90.00		23.25	223.43	0.00	0.00		
94.00		92.29	879.35	0.00	0.00		
95.00		22.73	102.46	0.00	0.00		
00.00		112.54	502.72	0.00	0.00		
05.00		109.73	486.75	0.00	0.00		
10.00		106.79	470.78	0.00	0.00		
14.00		83.17	365.13	0.00	0.00		
15.00		20.42	69.87	0.00	0.00		
20.00		100.59	342.16	0.00	0.00		
25.00		97.33	330.19	0.00	0.00		
30.00		93.98	318.21	0.00	0.00		
35.00		90.53	306.23	0.00	0.00		
37.00	(23) attachments	1381.55	3504.83	0.00	0.00		
139.00		34.58	100.02	0.00	0.00		
100.00	Totals:	4,581.88	27,649.71	0.00	0.00		

	cture: CT28285 Name: Thompson				Code Expo		TIA-22 C	2-H		8/9/202	3	
Heig					-	: Height:					CD	
-	Elev: 0.000 (ft)	/				Class:	D - Stif	fSoil			SB	A 🔊
Gh:	1.1	Tor	ography:	1		t Class:		1301		Deces 2		
			ography.		3000				_	Page: 3	2	
Load	d Case: 1.0D + 1.	.0W 60 mph	Wind						¥,	•	Iteration	i <b>s</b> 20
	Dead Load Fa	<b>ctor</b> 1.0	0							x		_
	Wind Load Fa		-						7			
						_			×			
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 (Ib)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	6.579	0.00	1.37
5.00 10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	6.579	0.00	5.20
10.00	Safety Cable Step bolts (ladder)	Yes Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	6.579	0.00	1.37
5.00	Safety Cable	Yes	5.00 5.00	0.000 0.000	0.63 0.38	0.26 0.16	0.00	0.018	0.000	6.579	0.00	5.20
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.58	0.16	0.00 0.00	0.019 0.019	0.000 0.000	6.579 6.579	0.00 0.00	1.37 5.20
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.20	0.00	0.019	0.000	6.980	0.00	5.20 1.37
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	6.980	0.00	5.20
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	7.316	0.00	1.37
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	7.316	0.00	5.20
0.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	7.602	0.00	1.37
80.00 85.00	Step bolts (ladder) Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	7.602	0.00	5.20
5.00 5.00	Step bolts (ladder)	Yes Yes	5.00 5.00	0.000 0.000	0.38	0.16	0.00	0.021	0.000	7.853	0.00	1.37
0.00	Safety Cable	Yes	5.00	0.000	0.63 0.38	0.26 0.16	0.00 0.00	0.021 0.021	0.000	7.853 8.077	0.00	5.20
	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.16	0.00	0.021	0.000	8.077	0.00 0.00	1.37 5.20
4.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.021	0.000	8.241	0.00	1.09
4.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.022	0.000	8.241	0.00	4.16
5.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.022	0.000	8.280	0.00	0.27
	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.022	0.000	8.280	0.00	1.04
0.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	8.466	0.00	1.37
0.00 5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	8.466	0.00	5.20
i5.00	Safety Cable Step bolts (ladder)	Yes Yes	5.00 5.00	0.000	0.38	0.16	0.00	0.023	0.000	8.637	0.00	1.37
0.00	Safety Cable	Yes	5.00	0.000 0.000	0.63 0.38	0.26 0.16	0.00 0.00	0.023	0.000	8.637	0.00	5.20
	Step bolts (ladder)	Yes	5.00	0.000	0.58	0.16	0.00	0.023 0.023	0.000 0.000	8.797 8.797	0.00	1.37
	Safety Cable	Yes	5.00	0.000	0.38	0.20	0.00	0.023	0.000	8.946	0.00 0.00	5.20 1.37
	Sten holts (ladder)	Von	E 00	0.000	0.00	9.10	0.00	0.02-7	0.000	0.040	0.00	1.37

		100	0.00	0.000	0.00	0.20	0.00	0.024	0.000	0.940	0.00	5.20
69.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.025	0.000	9.060	0.00	1.09
69.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.025	0.000	9.060	0.00	4.16
70.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.025	0.000	9.087	0.00	0.27
<b>7</b> 0.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.025	0.000	9.087	0.00	1.04
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	9.220	0.00	1.37
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	9.220	0.00	5.20
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	9.346	0.00	1.37
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	9.346	0.00	5.20
85.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	9.466	0.00	1.37
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	9,466	0.00	5.20
89.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.028	0.000	9.558	0.00	1.09
89.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.028	0.000	9.558	0.00	4.16
90.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.028	0.000	9.581	0.00	0.27
90.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.028	0.000	9.581	0.00	1.04
94.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.029	0.000	9.669	0.00	1.09
94.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.029	0.000	9.669	0.00	4.16
95.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	9.690	0.00	0.27
95.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	9.690	0.00	1.04
100.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	9.796	0.00	1.37
		•		_	=							

0.63

0.26

0.00

0.024

0.000

65.00 Step bolts (ladder)

Yes

5.00

0.000

8.946

0.00

5.20

#### Linear Appurtenance Segment Forces (Factored) 8/9/2023 TIA-222-H Code: Structure: CT28285-A С Exposure: Site Name: Thompson 3 CT SBA Crest Height: 0.00 139.00 (ft) Height: D - Stiff Soil Site Class: Base Elev: 0.000 (ft) Page: 33 Struct Class: II Topography: 1 Gh: 1.1 Iterations 20 Load Case: 1.0D + 1.0W 60 mph Wind x **Dead Load Factor** 1.00 Wind Load Factor 1.00

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	FX (lb)	Dead Load (Ib)
00.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	9.796	0.00	5.20
05.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	9.897	0.00	1.37
05.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	9.897	0.00	5.20
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	9.994	0.00	1.37
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	9.994	0.00	5.20
14.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.033	0.000	10.070	0.00	1.09
14.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.033	0.000	10.070	0.00	4.16
114.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.033	0.000	10.088	0.00	0.27
	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.033	0.000	10.088	0.00	1.04
15.00 20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.034	0.000	10.179	0.00	1.37
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.034	0.000	10.179	0.00	5.20
	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	10.267	0.00	1.37
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	10.267	0.00	5.20
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.037	0.000	10.352	0.00	1.37
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.037	0.000	10.352	0.00	5.20
30.00	F V 7	Yes	5.00	0.000	0.38	0.16	0.00	0.039	0.000	10.435	0.00	1.37
35.00	Safety Cable Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.039	0.000	10.435	0.00	5.20
35.00	Step bolts (lauder) Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.040	0.000	10.467	0.00	0.55
37.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.040	0.000	10.467	0.00	2.08
37.00		Yes	2.00	0.000	0.38	0.06	0.00	0.041	0.000	10.499	0.00	0.55
39.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.041	0.000	10.499	0.00	2.08
39.00	Step bolts (ladder)	100	2.00	0.000					То	tals:	0.0	182.5

				Ŧ		Calc	ulated F	orces				Ŧ		1
Struc Site M Heigh	Name:	CT282 Thom 139.00	pson 3	СТ			Code: Exposure Crest Heig	: с	A-222-H		8/	9/2023	SBA	<b>6</b> 77
Base	Elev:	0.000	(ft)				Site Class	-	Stiff Soi	,		L L	SDA	
	E10 11		(14)	-					Sun 30	I	-			
Gh:		1.1		10	pography	<i>r</i> : 1	Struct Cla	ISS: II			Pa	age: 34		
Load	Dea	d Load	d Facto		0						ľ	ite	erations	20
	Win	d Load	d Facto	<b>ات</b> 1.0	0					2	-			
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	-27.65	-4.59	0.00	-411.46	0.00	411.46	5289.63	1345.01	6159.16	6006.61	0.00	0.000	0.000	0.074
5.00	-26.31	-4.47	0.00	-388.53	0.00	388.53	5214.12	1316.19	5898.01	5792.99	0.01	-0.019	0.000	0.072
10.00	-24.99	-4.36	0.00	-366.17	0.00	366.17	5136.95	1287.37	5642.52	5581.27	0.04	-0.039	0.000	0.070
15.00	-23.71	-4.25	0.00	-344.38	0.00	344.38	5058.12	1258.55	5392.69	5371.57	0.09	-0.058	0.000	0.069
20.00	-22.45	-4.13	0.00	-323.13	0.00	323.13	4977.64	1229.72	5148.52	5164.03	0.16	-0.078	0.000	0.067
25.00 30.00	-21.22 -20.02	-4.01 -3.89	0.00	-302.47	0.00	302.47	4895.50	1200.90	4910.00	4958.75	0.26	-0.098	0.000	0.065
35.00	-20.02	-3.69	0.00 0.00	-282.40 -262.95	0.00 0.00	282.40	4811.70	1172.08	4677.14	4755.86	0.37	-0.117	0.000	0.064
40.00	-17.71	-3.64	0.00	-202.95	0.00	262.95 244.11	4726.25 4639.13	1143.25 1114.43	4449.94	4555.49	0.50	-0.137	0.000	0.062
44.00	-16.81	-3.54	0.00	-229.55	0.00	229.55	4039.13	1091.37	4228.39 4055.23	4357.75 4201.54	0.66 0.80	-0.157 -0.173	0.000	0.060
45.00	-16.40	-3.52	0.00	-226.01	0.00	226.01	4550.36	1085.61	4033.23	4201.54	0.80	-0.173	0.000 0.000	0.058 0.058
50.00	-14.41	-3.38	0.00	-208.43	0.00	208.43	3711.04	922.79	3382.36	3371.17	1.03	-0.197	0.000	0.066
55.00	-13.48	-3.26	0.00	-191.51	0.00	191.51	3641.81	898.08	3203.68	3218.96	1.25	-0.217	0.000	0.063
60.00	-12.57	-3.13	0.00	-175.23	0.00	175.23	3570.92	873.38	3029.84	3068.73	1.49	-0.239	0.000	0.061
65.00	-11.68	-3.00	0.00	-159.58	0.00	159.58	3498.38	848.67	2860.86	2920.59	1.75	-0.261	0.000	0.058
69.00	-10.99	-2.90	0.00	-147.56	0.00	147.56	3439.15	828.91	2729.16	2803.67	1.97	-0.278	0.000	0.056
69.00	-10.99	-2.90	0.00	-147.56	0.00	147.56	3439.15	828.91	2729.16	2803.67	1.97	-0.278	0.000	0.056
70.00 75.00	-10.82 <i>-</i> 9.98	-2.88 -2.76	0.00 0.00	-144.66	0.00	144.66	3424.18	823.97	2696.72	2774.67	2.03	-0.282	0.000	0.055
80.00	-9.98	-2.63	0.00	-130.26 -116.48	0.00 0.00	130.26 116.48	3348.32	799.26	2537.43	2631.09	2.34	-0.304	0.000	0.053
80.00	-9.17	-2.63	0.00	-116.48	0.00	116.48	3270.81 2592.90	774.56 646.55	2383.00 1992.53	2489.96 1980.55	2.67 2.67	-0.324	0.000	0.050
85.00	-8.51	-2.51	0.00	-103.31	0.00	103.31	2535.53	625.97	1992.55	1960.55	3.02	-0.324 -0.345	0.000 0.000	0.062 0.058
89.00	-7.99	-2.42	0.00	-93.25	0.00	93.25	2488.45	609.50	1770.67	1790.92	3.32	-0.364	0.000	0.055
90.00	-7.76	-2.40	0.00	-90.83	0.00	90.83	2476.51	605.38	1746.83	1770.18	3.39	-0.369	0.000	0.054
94.00	-6.88	-2.30	0.00	-81.24	0.00	81.24	1825.44	478.96	1366.80		3.71	-0.387	0.000	0.067
95.00	-6.78	-2.28	0.00	-78.94	0.00	78.94	1817.68	475.67	1348.06	1278.19	3.79	-0.392	0.000	0.066
00.00	-6.28	-2.17	0.00	-67.54	0.00	67.54	1777.84	459.20	1256.32	1206.58	4.22	-0.418	0.000	0.060
05.00	-5.79	-2.05	0.00	-56.71	0.00	56.71	1736.35	442.73	1167.82	1135.84	4.67	-0.443	0.000	0.053
110.00 114.00	-5.32 -4.96	-1.95 -1.86	0.00	-46.44	0.00	46.44	1693.20	426.26	1082.54	1066.08	5.15	-0.466	0.000	0.047
114.00	-4.90 -4.96	-1.86	0.00 0.00	-38.65 -38.65	0.00 0.00	38.65 38.65	1657.49 1114.05	413.08	1016.65	1011.08	5.54	-0.482	0.000	0.041
115.00	-4.89	-1.84	0.00	-36.79	0.00	36.65 36.79	1114.05 1109.31	310.46 307.99	765.71 753.57	682.44 674.10	5.54 5.65	-0.482	0.000	0.061
20.00	-4.54	-1.74	0.00	-27.59	0.00	27.59	109.31	295.64	753.57 694.33	674.10 632.51	5.65 6.17	-0.487 -0.510	0.000 0.000	0.059 0.048
25.00	-4.21	-1.64	0.00	-18.89	0.00	18.89	1058.34	283.29	637.52	591.21	6.71	-0.530	0.000	0.046
30.00	-3.90	-1.54	0.00	-10.69	0.00	10.69	1030.37	270.93	583.14	550.32	7.28	-0.544	0.000	0.023
35.00	-3.59	-1.45	0.00	-2.97	0.00	2.97	1000.74	258.58	531.18	509.95	7.85	-0.551	0.000	0.009
37.00	-0.10	-0.04	0.00	-0.07	0.00	0.07	988.42	253.64	511.07	493.97	8.08	-0.552	0.000	0.000
39.00	0.00	-0.03	0.00	0.00	0.00	0.00	975.84	248.70	491.35	478,11	8.31	-0.552	0.000	0.000

1	R		Final A	nalysis Sum	mary		1
Structure:	CT28285-A			Code:	TIA-222-H	8/9/2023	
	Thompson 3 CT			Exposure:	С		
Height:	139.00 (ft)			Crest Height:	0.00	SBA	A 🔊)
Base Elev:				Site Class:	D - Stiff Soil		
Gh:	1.1	Topography:	1	Struct Class:		Page: 35	

### **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 120 mph Wind	20.5	0.00	33.16	0.00	0.00	1844.63
0.9D + 1.0W 120 mph Wind	20.5	0.00	24.87	0.00	0.00	1836.53
1.2D + 1.0Di + 1.0Wi 50 mph Wind	5.7	0.00	44.13	0.00	0.00	495.54
1.2D + 1.0Ev + 1.0Eh	0.9	0.00	34.28	0.00	0.00	101.50
0.9D + 1.0Ev + 1.0Eh	0.9	0.00	25.96	0.00	0.00	101.23
1.0D + 1.0W 60 mph Wind	4.6	0.00	27.65	0.00	0.00	411.46

### 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
t an i t ant tag and Wind	-33.16	-20.51	0.00	-1844.6	0.00	-1844.6	5289.63	1345.0	6159.16	6006.61	0.00	0.314
1.2D + 1.0W 120 mph Wind		-20.50	0.00	-1836.5	0.00	-1836.5	5289.63	1345.0	6159.16	6006.61	0.00	0.311
0.9D + 1.0W 120 mph Wind	-24.87			-495.54	0.00		5289.63	1345.0	6159.16	6006.61	0.00	0.091
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-44.13	-5.70	0.00							1011.08	114.00	0.025
1.2D + 1.0Ev + 1.0Eh	-6.16	-0.59	0.00	-13.19	0.00	10110	1657.49					
0.9D + 1.0Ev + 1.0Eh	-4.67	-0.59	0.00	-13.22	0.00	-13.22	1657.49	413.08	1016.65	1011.08	114.00	0.024
1.0D + 1.0W 60 mph Wind	-27.65	-4.59	0.00	-411.46	0.00	-411.46	5289.63	1345.0	6159.16	6006.61	0.00	0.074

			Base	Plate Summ	ary		1
Structure:	CT28285-A			Code:	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT			Exposure:	С	_	
Height:	139.00 (ft)			Crest Height:	0.00		SBA 🔊
Base Elev:	0.000 (ft)			-	D - Stiff Soil		<b>JDA</b>
Gh:	1.1	Topography:	1	Struct Class:	П	Page: 36	

Reactions		Base Pla	ite	Anchor	Bolts
Original Desi	gn	Yield (ksi):	50.00	Bolt Circle:	62.00
Moment (kip-ft):	5040.00	Width (in):	68.00	Number Bolts:	18.00
Axial (kip):	55.00	Style:	Round	Bolt Type:	2.00" F1554 105
Shear (kip):	49.00	Polygon Sides:	0.00	Bolt Diameter (in):	2.00
Analysis (1.2D +	1 OW)	Clip Length (in):	0.00	Yield (ksi):	105.00
Moment (kip-ft):	1844.63	Effective Len (in):	15.09	Ultimate (ksi):	125.00
Axial (kip):	33.16	Moment (kip-in):	258.56	Arrangement:	Radial
Shear (kip):	20.51	Allow Stress (ksi):	67.50	Cluster Dist (in):	0.00
		Applied Stress (ksi):	16.20	Start Angle (deg):	0.00
		Stress Ratio:	0.24	Compres	ssion
				Force (kip):	81.18
				Allowable (kip):	296.88
				Ratio:	0.27
				Tensic	n
				Force (kip):	77.50
				Allowable (kip):	234.38
				Ratio:	0.33

		Monon	ole M	at F	oundatio	n Desian		Dat	
								8/9/2 TIA-22	_
SBA D		Customer Name:	Verizon	- 2.0	<b>T</b>	TIA Standard: Structure Heig		13	_
		Site Name:	Thompse		1000	Engineer Nam		SBA En	-
		Site Number:	CT2828	5-A		Engineer Logi		1.017	<b>a</b>
	_	Engr. Number:		_		Engineer Logi			-
oundation Info Obtained from:		Drawings/Calculations				K	_	_	
ructure Type:		Monopole							
nalysis or Design?		Analysis			0.50	E		11	0,00
ase Reactions (Factored):				-	K TNI		11	1	
	33.2	Shear Force (Kips):	20.5				11	#	5
xial Load (Kips):	0.0	Moment (Kips-ft):	1844.6		4.0		, 28	#	11
plift Force (Kips):	0.0	Monene (mpo 1-).					28	#	11
oundation Geometries:					5.0		/ 28	#	11
ounderfort ocontaction		Mods required -Yes/No ?:	No				// 28	#	11
iameter of Pier (ft.):	7.0	Depth of Base BG (ft.):	5.0		0 0		0//0		
ier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	3.00				the .		3.00
ength of Pad (ft.):	28	Width of Pad (ft.):	28			0 0 0		=	
engui ol Pau (it.).	20				<			×	
nai Length of pad (ft)	28.0	Final width of pad (ft):	28.0	5	1				0.0
nai tengtri or pau (it)	20.0	Surfaile and the first				2			_
laterial Properties and Reabr Info:							7.0		
oncrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi		15 m			
ertical bar yield (ksi)	60	Tie steel yield (ksi):	40			6 9			28.0
ertical Rebar Size #:	11	Tie / Stirrup Size #:	5		28.0	0. 2			W
ty, of Vertical Rebars:	38	Tie Spacing (in):	6.0						
ad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	11		38 4	<b># 11</b>		1	R I
oncrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf					- 3
ebar at the bottom of the concrete								1	0.0
ty, of Rebar in Pad (L):	28	Qty. of Rebar in Pad (W):	28	-	0.0			$\langle \cdot \rangle$	0.0
ebar at the top of the concrete pac					27	28.0	L		
ty. of Rebar in Pad (L):	28	Qty. of Rebar in Pad (W):	28					-	
ty. of Rebail and a (a).									
oil Design Parameters:									
oil Unit Weight (pcf):	100.0	Soil Buoyant Weight:	50.0	Pcf			30		
Vater Table B.G.S. (ft):	4.0	Unit Weight of Water:	62.4	pcf	Angle from Top of		30 25		
lltimate Bearing Pressure (psf):	6000	Ultimate Skin Friction:	0	Psf	Angle from Bottm Angle from Bottm		25		
onsider Friction for O.T.M. (Y/N):	No	Consider Friction for beari Reduction factor on the m		No No nil bear	-	00	20		
onsider soil hor. resist. for OTM.:	No	Reduction factor of the m	aximum se	Jii Deal	ing pressurer -				
oundation Analysis and Design:	Uplift St	rength Reduction Factor:	0.75	Comp	ression Strength Rec	duction Factor:	0.75		
Total Dry Soil Volume (cu. Ft.):		-	1491.03	Total	Dry Soil Weight (Kips	s):	149.10		
Total Buoyant Soil Volume (cu. F	t.):		0.00		Buoyant Soil Weight		0.00		
Total Effective Soil Weight (Kips)	):				it from the Concrete		0.00		
Total Dry Concrete Volume (cu.					Dry Concrete Weigh Buoyant Concrete W		249.63 68.68		
Total Buoyant Concrete Volume					Vertical Load on Bas		500.61		
Total Effective Concrete Weight	(кірз):		710.31	10101	, erecar Load on 203			Load/	
heck Soil Capacities:								Capacity Ratio	
alculated Maxium Net Soil Pressure	e under t	he base (psf):	1136	<	Allowable Factore	d Soil Bearing (psf):	4500	0.25	ОК
lowable Foundation Overturning F	Resistance	e (kips-ft.):	6354.2	>	Design Factored N	lomont (kips-ft):	1957	0.31	OK
		loment/Design Moment):	3.25	OK!					

	TES Engr. Number:	0		Page 2/2 Date:	8/9/2023		
1242-0000-12711-000							
	e capacities of Reinforceing Concrete:						
	reduction factor (Flexure and axial tension):	0.90	Stren	gth reduction factor (Shear):	0.75		
Strength	reduction factor (Axial compresion):	0.65	Wind	Load Factor on Concrete Design:	1.00		
						Load/ Capacity	
(1) Concr	A CONTRACTOR OF A CONTRACTOR OFTA CONT					Ratio	
	Vertical Steel Rebar Area (sq. in./each):	1.56		Tie / Stirrup Area (sq. in./each):	0.31		
	Calculated Moment Capacity (Mn,Kips-Ft):	9447.1	>	Design Factored Moment (Mu, Kips-F	1895.9	0.20	0
	Calculated Shear Capacity (Kips):	803.5	>	Design Factored Shear (Kips):	20.5	0.03	0
	Calculated Tension Capacity (Tn, Kips):	3201.1	>	Design Factored Tension (Tu Kips):	0.0	0.00	0
	Calculated Compression Capacity (Pn, Kips):	9693.0	>	Design Factored Axial Load (Pu Kips):	33.2	0.00	0
	Moment & Axial Strength Combination:	0.20	OK!	Check Tie Spacing (Design/Required):		0.5	0
	Pier Reinforcement Ratio:	0.011		Reinforcement Ratio is satisfied per	ACI		
(2).Concr	ete Pad:						
	One-Way Design Shear Capacity (L-Direction, Kips):	1030.0	>	One-Way Factored Shear (L-D. Kips):	157.7	0.15	0
	One-Way Design Shear Capacity (W-Direction, Kips):	1030.0	>	One-Way Factored Shear (W-D., Kips)		0.15	0
	One-Way Design Shear Capacity (Corner-Corner. Kips):	1001.0	>	One-Way Factored Shear (C-C, Kips):	143.1	0.14	0
	Lower Steel Pad Reinforcement Ratio (L-Direct. ):	0.0040	OK!	, , , , , , , , , , , , , , , , , , , ,		0121	Ŭ
	Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	6125.9	>	Moment at Bottom ( L-Dir, K-Ft):	1003.2	0.16	0
	Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	6125.9	>	Moment at Bottom ( W-Dir. K-Ft):	1003.2	0.16	0
	Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	8594.8	>	Moment at Bottom ( C-C Dir. K-Ft):	1418.7	0.17	ō
	Upper Steel Pad Reinforcement Ratio (L-Direct. ):	0.0040	OK!		0.0040	0.17	0
	Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	6125.9	>	Moment at the top (L-Dir K-Ft):	313.8	0.05	ο
	Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	6125.9	>	Moment at the top (W-Dir K-Ft):	313.8	0.05	0
	Upper Steel Pad Moment Capacity (Corner-Corner, K-ft):	8594.8	>	Moment at the top (C-C Dir. K-Ft):	293.4	0.03	0
(3).Check	Punching Shear Capacity due to Moment in the Pier:						
	Moment transferred by punching shear:	737.8	k-ft.	Max. factored shear stress v <sub>u cp</sub> :		1.4	Ps
	Max. factored shear stress $v_{u_AB}$ :	5.8	Psi	Factored shear Strength $\phi v_{n}$ :		189.7	
	Max. factored shear stress $v_{u_{AB}}$ .	5.8	Psi	Check Usage of Punching Shear Ca	na site u		
		5.0	<b>F</b> 51	check usage of Punching Shear Ca	pacity:	0.03	0
4).Check I	Bending Capacity of the Pad Within the Effective Slab Width:						
,	Overturning moment to be transferred by flexure:	553.4	k-ft.	Effective Width for resisting OT mome	ent:	16.0	ft.
`	Calculated number of Rebar in Effective width:	16		Actual number of Rebar in Effective w	idth:	16	
	Steel Pad Moment Capacity ( L-Direc. Kips-ft):	3500.5	k-ft.	Check Usage of the Flexure Capaci	ty:	0.16	O





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# Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10207172 Colliers Engineering & Design CT, PC Project #: 23777167

July 24, 2023

Site Information

Site ID: Site Name: Carrier Name: Address: 5000055445-VZW / THOMPSON 2 CT THOMPSON 2 CT Verizon Wireless 347 Riverside Drive North Grosvenordale, Connecticut 06255 Windham County 41.953194° -71.883611°

Longitude:

Latitude:

Structure Information

Tower Type: Mount Type: 140-Ft Monopole 14.50-Ft Platform

FUZE ID # 17123826

### Analysis Results

Platform: 56.2% Pass\*

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

<u>\*\*\*Contractor PMI Requirements:</u> Included at the end of this MA report Available & Submitted via portal at https://pmi.vzwsmart.com For additional questions and support, please reach out to: pmisupport@colliersengineering.com

Report Prepared By: Carol Luengas



### Executive Summary:

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

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

### Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID: 650338, dated October 15, 2020
Mount Mapping Report	Tower Engineering Professionals, Site ID: 535837, dated December 7, 2020
Previous Mount Modification Report	Maser Consulting Connecticut, Project #: 20777388A (Rev 2), dated August 20, 2021
Previous Post Modification Inspection	Maser Consulting Connecticut, Project #: 20777388A, dated November 14, 2022
Filter Add Scope	Provided by Verizon Wireless

### Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut Building State Building (CSBC), Eff	fective October 1, 2022
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V <sub>ULT</sub> : Ice Wind Speed (3-sec. Gust): Design Ice Thickness: Risk Category: Exposure Category: Topographic Category: Topographic Feature Considered: Topographic Method: Ground Elevation Factor, K <sub>e</sub> :	120 mph 50 mph 1.00 in II C 1 N/A N/A 0.986
Seismic Parameters:	Ss: S <sub>1</sub> :	0.185 g 0.056 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): Maintenance Load, Lv: Maintenance Load, Lm:	30 mph 250 lbs. 500 lbs.
Analysis Software:	RISA-3D (V17)	

Mount Structural Analysis Report (1) 14.50-Ft Platform

### Final Loading Configuration:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
		6	Andrew	SBNHH-1D65B	
		3	Commscope	LNX-6514DS-A1M	
		3	Samsung	MT6407-77A	Retained
136.00	137.00	3	Samsung	B2/B66A RRH-BR049	
150.00	107.00	3	Samsung	B5/B13 RRH-BR04C	
		2	Raycap	RHSDC-3315-PF-48	
	-	2	KAelus	KA-6030	Added

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

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

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

### Standard Conditions:

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

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

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

- 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.

### Mount Structural Analysis Report (1) 14.50-Ft Platform

56.2%

- 6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
- 7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:

	Channel, Solid Round, Angle, Plate	ASTM A36 (Gr. 36)
0	HSS (Rectangular)	ASTM 500 (Gr. B-46)
0	Pipe	ASTM A53 (Gr. B-35)
0	Threaded Rod	F1554 (Gr. 36)
0	Bolts	ASTM À325

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

### Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	14.7 %	Pass
Mount Pipe	36.9 %	Pass
Replacement Mount Pipe	29.2 %	Pass
Standoff Horizontal	16.5 %	Pass
Platform Crossmember	56.2 %	Pass
Corner Plate	37.3 %	Pass
Grating Support	29.3 %	Pass
Cross Arm Plate	20.2 %	Pass
Extension HSS	18.5 %	Pass
Support Rail	19.9 %	Pass
Support Rail Corner	43.8 %	Pass
Kicker	9.3 %	Pass
Mount Connection	43.4 %	Pass

Structure Rating - (Controlling Utilization of all Components)

BASELINE mount weight per SBA agreement: 2224.79 lbs

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

The weights listed above include 3 sector(s).

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

	Mount Pipe	s Excluded	Mount Pipes Included				
Ice Thickness (In)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)			
0	35.1	35.1	50.2	50.2			
0.5	45.7	45.7	66.8	66.8			
1	54.6	54.6	81.7	81.7			

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

Contractor to install proposed filter on support rail in Gamma sector. See Placement Diagrams for reference.

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 <u>https://pmi.vzwsmart.com</u>. For additional questions and support, please reach out to pmisupport@colliersengineering.com

MDG #: 5000055445 SMART Project #: 10207172 Fuze Project ID: 17123826

<u>**Purpose**</u> – 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.
  - o 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:

### lssue:

Contractor to install proposed filter on support rail in Gamma sector. See Placement Diagrams for reference.

### Response:

### Special Instruction Confirmation:

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

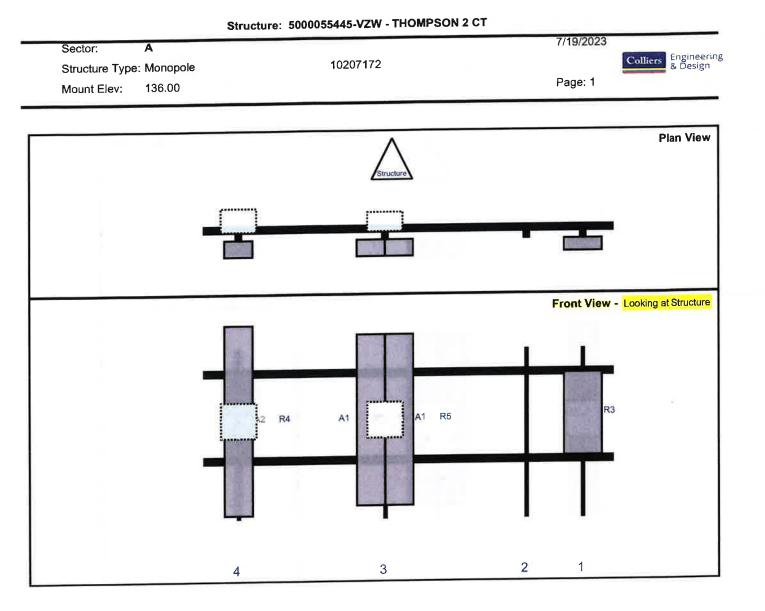
□ All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.

□ 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.

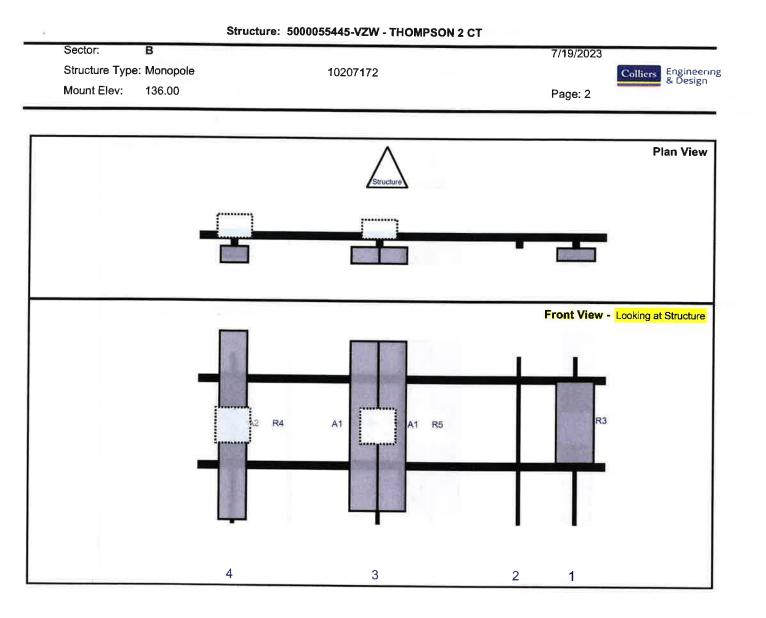
OR

□ 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.

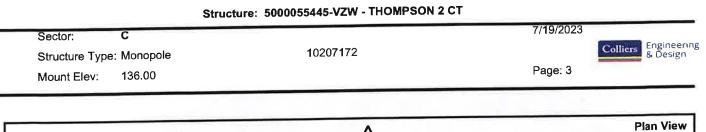
Comments:		
Contractor certifies that	t the climbing facility / s	safety climb was not damaged prior to starting work:
🗆 Yes 🖾	No	
Contractor certifies no r	nu damage created du	ring the current installation:
contractor certifies no r	iew damage created du	ring the current installation:
🗆 Yes 🛛	No	
	NO	
Contractor to certify the	condition of the safety	climb and verify no damage when leaving the site:
		the stering the damage when leaving the ster.
□ Safety Climb in	Good Condition	□ Safety Climb Damaged
,		
Certifying Individual:		
Company:		
Employee Name:		
Contact Phone: Email:		
citiali.		

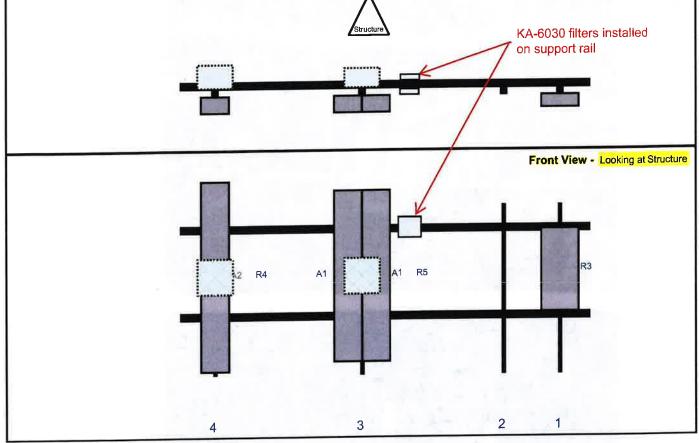


		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model	(in)	(in)	Frm L.	#	Pos V	Pos	Frm T.	H Off	Status	Validation
R3	MT6407-77A	35,1	16.1	161	1	а	Front	27.96	0	Retained	10/21/2022
A1	SBNHH-1D65B	72.6	11.9	77	3	а	Front	30	6	Retained	10/21/2022
A1	SBNHH-1D65B	72.6	11.9	77	3	b	Front	30	-6	Retained	10/21/2022
R5	B5/B13 RRH-BR04C	15	15	77	3	а	Behind	30	0	Retained	10/21/2022
A2	LNX-6514DS-A1M	80.6	11.9	15	4	а	Front	30	0	Retained	10/21/2022
R4	B2/B66A RRH-BR049	15	15	15	4	а	Behind	30	0	Retained	10/21/2022
	RHSDC-3315-PF-48	25.7	17.3	-	Memb	er			-	Retained	10/21/2022
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M98	RHSDC-3315-PF-48	20.1	11.0			-			-	and the second	

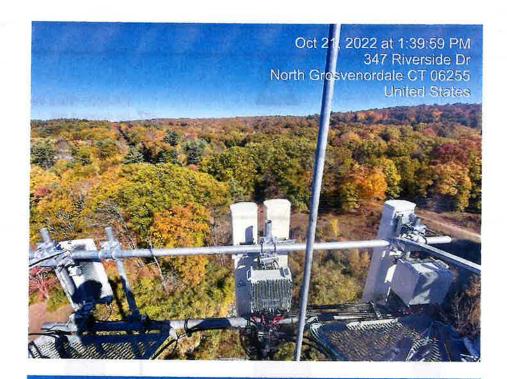


		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model	(in)	(in)	Fm L	#	Pos V	Pos	$FrmT_{\mathrm{S}}$	H Off	Status	Validation
R3	MT6407-77A	35.1	16.1	161	1	а	Front	27.96	0	Retained	10/21/2022
A1	SBNHH-1D65B	72.6	11.9	77	3	а	Front	30	6	Retained	10/21/2022
A1	SBNHH-1D65B	72.6	11.9	77	3	b	Front	30	-6	Retained	10/21/2022
R5	B5/B13 RRH-BR04C	15	15	77	3	а	Behind	30	0	Retained	10/21/2022
A2	LNX-6514DS-A1M	80.6	11.9	15	4	a	Front	30	0	Retained	10/21/2022
R4	B2/B66A RRH-BR049	15	15	15	4	а	Behind	30	0	Retained	10/21/2022





			Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model		(in)	(in)	Fm L.	#	Pos V	Pos	Frm T.	H Off	Status	Validation
R3	MT6407-77A		35.1	16.1	161	1	а	Front	27.96	0	Retained	10/21/2022
A1	SBNHH-1D65B		72.6	11.9	77	3	а	Front	30	6	Retained	10/21/2022
A1	SBNHH-1D65B		72.6	11.9	77	3	b	Front	30	-6	Retained	10/21/2022
R5	B5/B13 RRH-BR04C		15	15	77	3	а	Behind	30	0	Retained	10/21/2022
A2	LNX-6514DS-A1M	CHINESE STORES	80.6	11.9	15	4	a	Front	30	0	Retained	10/21/2022
R4	B2/B66A RRH-BR049		15	15	15	4	а	Behind	30	0	Retained	10/21/2022
M109	KA-6030		10.6	10.9	100	Memb	61	-			Added	
M108	KA-6030		10.6	10.9		Memb	er				Added	



Oct 21, 2022 at 2:12:21 PM 347 Riverside Dr North Grosvenordale CT 06255 United States



 V2.0
 Updated m #31-2020

 FCC #
 N/A

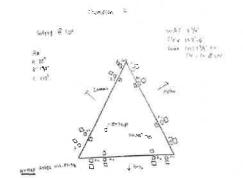
 Tower Owner:
 Unknown

 Mapping Date:
 12/7/2020

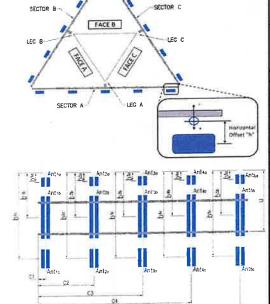
 Site Name:
 NE Thompson 2

 Site Name:
 467898.

 Mapping form is the property of IDs 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, publication, public



		Mount Pip	e Configurat	ion and G	eometries [	Unit = Inches]			
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	м	ount Pipe Size & Leng	gth	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc.
A1	2.4"x0.154"x72"	47.00	16.00	C1	2.4"x0.154	"x72"		47.00	16.00
A2	2.4"x0.154"x72"	47.00	40.00	C2	2.4"x0.154	"x72"		47.00	40.00
A3	2.4"x0.154"x72"	47.00	138.00	C3	2.4"x0.154	"x72"		47.00	138.00
A4	2 4"x0.154"x72"	47.00	162.00	C4	2.4"x0.154	"x72"		47.00	162.00
AS	1.1 AU. 2.1 AU	1		CS					1
AG		-	1000	C6					
81	2.4"x0.154"x72"	47.00	16.00	D1					
B1 B2	2.4"x0.154"x72"	47.00	40.00	D2					
83	2.4"x0.154"x72"	47.00	138.00	D3					
B4	2.4"x0.154"x72"	47.00	152.00	D4					
85	2.4 00.424 012	1		D5					
B6				D6					
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ower Fac	e Width at Mount Elev. (ft.): Enter antenna mode	I. If not labe					g Locations		27 Photos c antenna



S \_\_\_\_\_

Tower Fac	Width at Mount Elev. (1	ft.):	1.2	Tower Leg	Size or Pole	Shaft Diar	meter at Mount Elev. (	in.):		27
	Enter antenna	a model.	If not labe	led, enter '	"Unknown'		Mountin (Units are incl	g Locations hes and dep		Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in <sub>s</sub> )	Height (in.)	Coax Size and Qty		Vertical Distances"b <sub>1a</sub> , b <sub>2a</sub> , b <sub>3a</sub> , b <sub>1b</sub> " (Inches)	Horiz. Offset "h" (Use "-" if Ant_is behind)	Antenna Azimuth (Degrees)	Photo Numbers
					Sector A					_
Antia			-							170
Ant <sub>1b</sub>	LPA 80063/6CF E-DIN	14.96	13.07	70.87	) 1 5/8" F	139.25	26.00	12.00	70.00	138
Ant <sub>1c</sub>										1
Antza	· · · · · · · · · · · · · · · · · · ·								70.00	149
Ant <sub>2b</sub>	SBNHH-1D65B	11.85	7.09	72.87		139.083	28.00	9.00	70.00	149
Ant <sub>2c</sub>	B66a RRH 4x45	11.80	7.20	25.80	.) 1 5/8" F	139.75	20.00	-6.50		133
Ant <sub>3a</sub>				-		400.000	20.00	9.00	70.00	164
Ant <sub>3b</sub>	SBNHH-1D65B	11.85	7.09	72.87		139.083	28.00	-6.00	70.00	167
Ant <sub>3c</sub>	913 RRH4x30	11.40	6.90	20.70	) 1 5/8" F	139.417	24.00	-0.00		107
Ant <sub>4a</sub>						139.25	26.00	12.00	70.00	178
Ant <sub>4b</sub>	LPA 80063/6CF E-DIN	14.96	13.07	70.87	.) 1 5/8" F	139.25	20.00	12.00	70.00	1.0
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ector B:	190.00	Deg	Leg B:		Deg	Antic		1			120,0 1	100,20	20.00	12.00	190.00	100
ector C:	310.00	Deg	Leg C:		Deg	Ant <sub>2a</sub>		-		-	1			-		
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		65
1	The safety climb system is obstructed by the mount at 137'-5".	
2	The safety climb system is obstructed by the mount at 137°-5°. (3) Cut 1 S/8° FH coax are present on the mount.	-
з		
4		
5		
6		
7		
8		

#### Mapping Notes

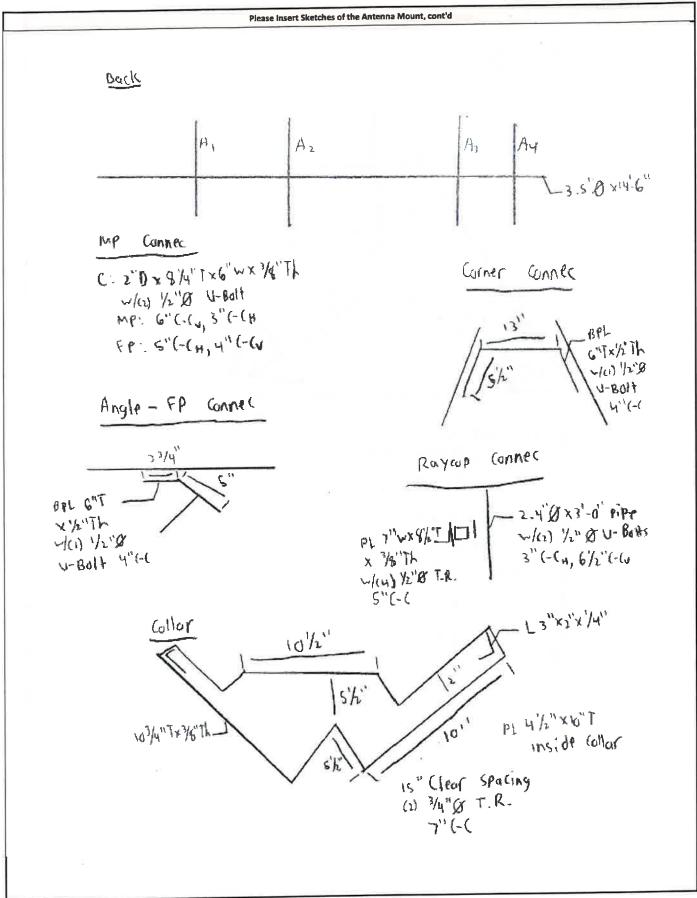
Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
 If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use an ultrasonic measurement tool (thickness gauge) to measure the thickness.

The unickness of the existing pipes of tubing cart be obtained if on a general consolid as carbon pipels do an and insert them into the "Sketches" tab.
 Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.

Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.
 Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
 Please measure and report the size and length of all existing antenna mounting pipes.
 Please measure and report the antenna information for all sectors.
 Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

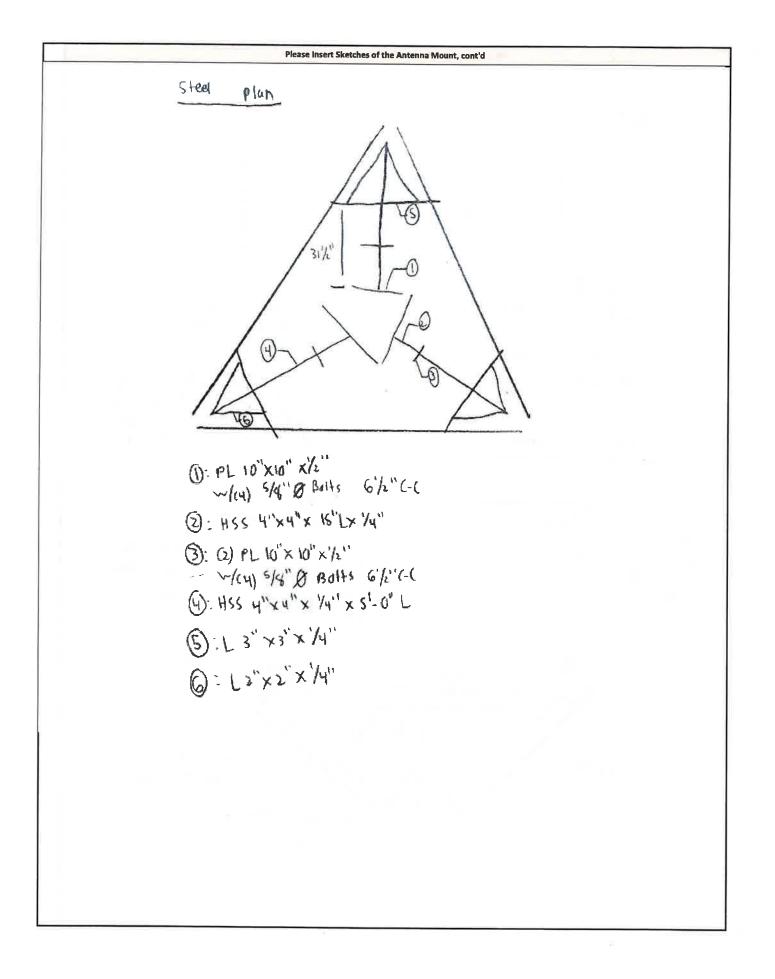
**Standard Conditions** 1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

- SARAR FURNER	Tower Owner:	Antenna Mount Mapping Fo	Mapping Dat	e:	N/# 12/7/2020
	Site Name: Site Number or ID:	NE Thompson 2 467898	Tower Type: Tower Heigh	t (Ft.):	Monopole 140
mapping form is the proper	Mapping Contractor: Ty of TES and under PATENT PENDING.	TEP The formation contained herein is considered confidential in nature	Mount Eleva	tion (FL):	137,5
		permission of TES. All means and methods are the responsibility of imb as it must be assessed prior to each use in compliance with OSH		compliant with ANSI/ASSE A 10.48, OSHA, FO	CC, FAA and other safety
		Please Insert Sketches of the Anten		_	
		Thompson 2			
Sat	fety @ 1100		WAF	4 <sup>3</sup> /4 <sup>5</sup>	
				137'-6"	
Az			(ADO)	CIS) ISAS' FH	
A: 70		KA1		(4114" JSM	
8-18	0.	0/10			
C' 31	100	$\langle 0 \rangle$			
		000	>		
		~ Gamme DID	Alphu		
		$\sim$ / $\sim$	In Low		
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		/	Aim		
		5 Ratap	you		
	C	2 Br 1	-		
		of rayap-	n \		
	0				
	0 A		100		
	DO AC	0	в <u>1</u> 00		
	L	OAL OAL	в <u>1</u> 00		
Rutcap: RH	L	and the second se	D0/		
Rootcap: RH	50C-3315-PE-98	OAL OAL	в <u>1</u> 00		
	50C-3315-PE-98	OA4 OA:			
Secto	SOL-3315-PE-94	OAL OA. D Beta		B	
Secto	506-3315-86-98	OA4 OA:		26 12	
Secto	SOL-3315-PE-94	Model			
Secto A,	SOL-3315-PE-946	Model LPA 80063/6CF E-DIN	U C 47" 16" 40" 138"	26 12	
Secto A, Az	SOL-3315-PE-98	Model LPA 80063/6CF E-OFN SBNHH ID65B	U C 47" 16" 40"	$   \begin{array}{ccccccccccccccccccccccccccccccccccc$	
Secto A, Az Az	SOL-3315-PE-98	Model LPA 80063/6CF E-OIN SBNHH ID65B SBNHH ID65B	U C 47" 16" 40" 138"	$\frac{26''}{24''}$ $\frac{12''}{4''}$	

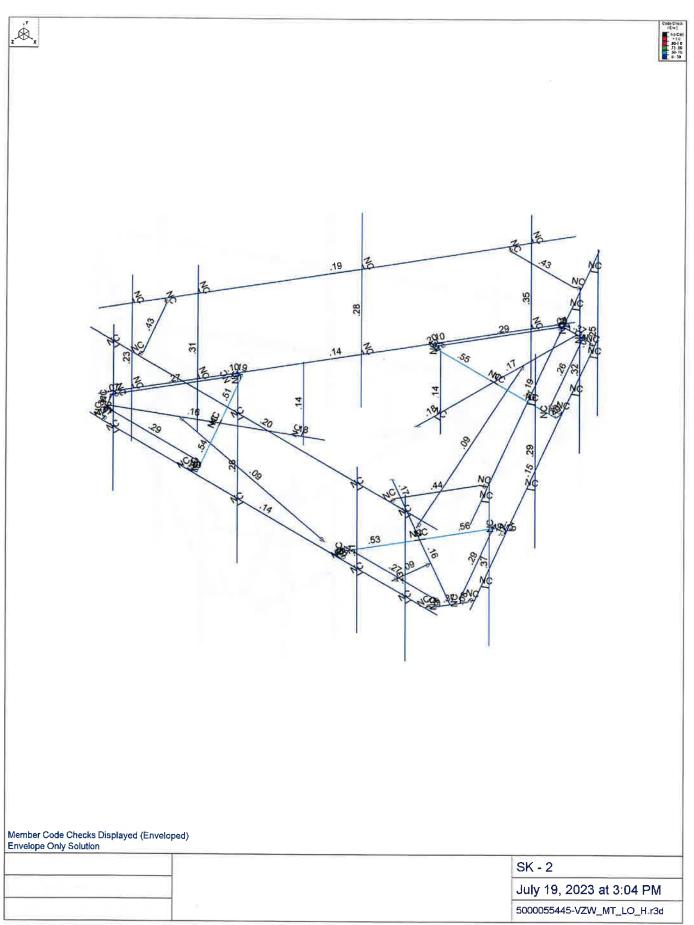


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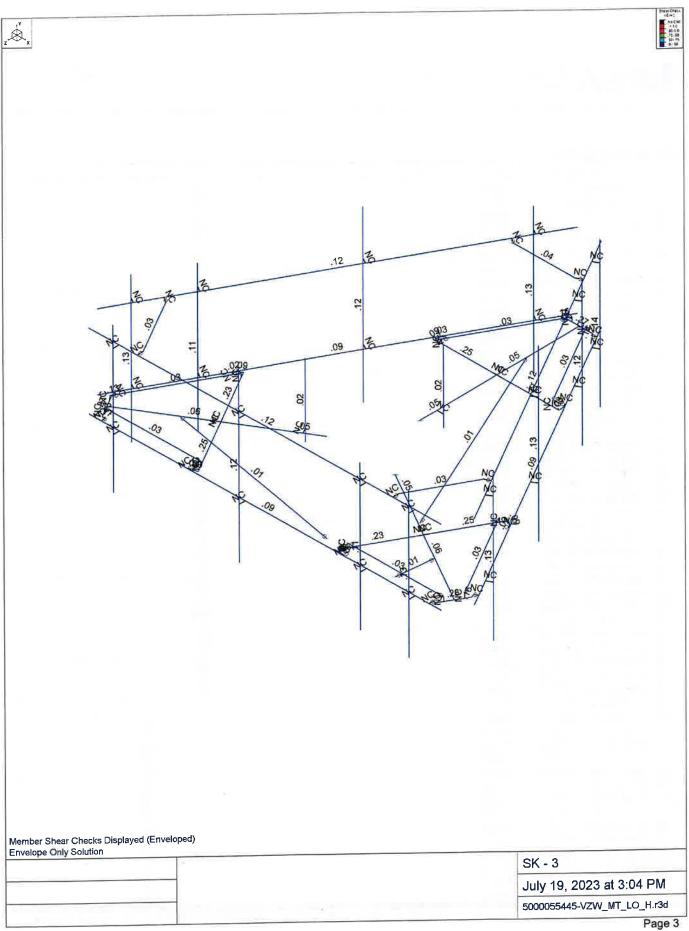
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Envelope Only Solution	SK - 1
	July 19, 2023 at 3:04 PM
	5000055445-VZW_MT_LO_H.r3d Page 1



Page 2





#### Basic Load Cases

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area/Me	Surface(P.
1 Antenna D	None			1		102		- itoatitio	Currace(i
2 Antenna Di	None					102			
3 Antenna Wo (0 Deg)	None					102			
4 Antenna Wo (30 Deg)	None					102			
5 Antenna Wo (60 Deg)	None					102			
6 Antenna Wo (90 Deg)	None					102			
7 Antenna Wo (120 Deg)	None					102			
8 Antenna Wo (150 Deg)	None					102			
9 Antenna Wo (180 Deg)	None					102			
10 Antenna Wo (210 Deg)	None					102			
11 Antenna Wo (240 Deg)	None					102			
12 Antenna Wo (270 Deg)	None					102			
13 Antenna Wo (300 Deg)	None					102			
14 Antenna Wo (330 Deg)	None	-				102			
15 Antenna Wi (0 Deg)	None	-							
16 Antenna Wi (30 Deg)	None	1				102			
17 Antenna Wi (60 Deg)	None					102			
18 Antenna Wi (90 Deg)	None	1 1 1 1 1 1 1				102			
19 Antenna Wi (120 Deg)	None			- 200		102			
20 Antenna Wi (150 Deg)	None					102			
21 Antenna Wi (180 Deg)	None	-		_		102			
22 Antenna Wi (210 Deg)	None				_	102			
23 Antenna Wi (240 Deg)	None		_			102		-	
24 Antenna Wi (270 Deg)						102			
25 Antenna Wi (300 Deg)	None	-				102			
26 Antenna Wi (330 Deg)	None					102			
27 Antenna Wm (0 Deg)	None					102	1		
	None					102			
28 Antenna Wm (30 Deg) 29 Antenna Wm (60 Deg)	None					102			
	None					102			
	None	1				102			
31 Antenna Wm (120 Deg)	None					102	L		
32 Antenna Wm (150 Deg)	None					102			
33 Antenna Wm (180 Deg)	None					102			
34 Antenna Wm (210 Deg)	None					102			
35 Antenna Wm (240 Deg)	None					102			
36 Antenna Wm (270 Deg)	None					102			
37 Antenna Wm (300 Deg)	None					102			
38 Antenna Wm (330 Deg)	None					102			
39 Structure D	None		-1					3	
40 Structure Di	None						65	3	
41 Structure Wo (0 Deg)	None						130		
42 Structure Wo (30 Deg)	None						130		
43 Structure Wo (60 Deg)	None						130		
44 Structure Wo (90 Deg)	None						130		
45 Structure Wo (120 D	None						130		
46 Structure Wo (150 D	None						130		
47 Structure Wo (180 D	None						130		
48 Structure Wo (210 D	None						130		
49 Structure Wo (240 D	None						130		
50 Structure Wo (270 D	None	1					130		
51 Structure Wo (300 D	None								
52 Structure Wo (330 D	None						130		
53 Structure Wi (0 Deg)	None						130		
							130		

RISA-3D Version 17.0.4

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[R:\...\...\...\Mount Analysis\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d] Page 4



# Basic Load Cases (Continued)

BLC Desc	ription	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point		Area(Me.	. Surface(P.
54 Structure Wi		None				1.1.5	11	130	1.12	
55 Structure Wi		None						130		
56 Structure Wi		None		24. 1				130	10.65	
57 Structure Wi		None						130		
58 Structure Wi		None			1.1.2			130		
59 Structure Wi		None						130	-	
60 Structure Wi	(210 De	None						130		-
61 Structure Wi		None						130		-
62 Structure Wi	(270 De	None	24				_	130	1 2 3 2	
63 Structure Wi		None						130		
64 Structure Wi		None						130		
65 Structure Wm		None						130	-	
66 Structure Wm		None						130	1000	
67 Structure Wm		None						130		
68 Structure Wm		None						130		the sea
69 Structure Wm	(120 D.	None			1			130		
70 Structure Wm		None		1.00				130	-	
71 Structure Wm	(180 D	None						130		-
72 Structure Wm		None			1			130		
73 Structure Wm		None						130		-
74 Structure Wm		None				1.1		130	1	1
75 Structure Wm		None						130		1
76 Structure Wm		None	1.00	122				130	-	-
77 Lm1		None			1		1	-		-
78 Lm2		None					1	-	1	
79 Lv1		None					1			
80 Lv2		None		and the second			1	and the second		
81 Antenna		None		1			102	-		+
82 Antenna Eh	(0 Deg)	None		P	1		68		-	-
83 Antenna Eh		None					68		-	
84 Structur		ELY					-	100	3	-
85 Structure Eh		ELZ			03				3	
86 Structure Eh		ELX	.03				-		3	-
87 BLC 39 Trans		None						30		-
88 BLC 40 Trans		None						30		
89 BLC 84 Trans		None							The state of the s	
90 BLC 85 Trans		None					-	30	-	-
91 BLC 86 Trans		None						30		

# Load Combinations

	Description	S.	PDelta	S	B	Fa	B	Fa	. B	Fa	. B	Fa	. B	Fa	. B	Fa	B	Fa.,	. В	Fa.	B	Fa	B	Fa
1	1.2D+1.0Wo (0 Deg)				1	1.2	39	1.2	3	1	41	1	1	_	-	<u> </u>	-	-	-		-		-	
2	1.2D+1.0Wo (30 Deg)	Yes		-	1	1.2	39	1.2		1	42		1 -		-		-	-	-	-	-		-	
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1		39		-	1	43								-		+		1.00	
4			Y	1	1	1.2	39	1.2	6	1	44		1	-	-		-	-	+	-	-	-	-	
5	1.2D+1.0Wo (120 Deg)		Y		1		39		-	1	45	-				-	-	-	-	-		-	-	
6	1.2D+1.0Wo (150 Deg)				1	1.2	39	1.2	8	1	46		-						1-0			-	-	
7	1.2D+1.0Wo (180 Deg)				1	1.2	39	1.2	9	1	47				-			-			have			
8	1.2D+1.0Wo (210 Deg)				1	1.2	39	1.2	10	1	48		1			-	-	-	-	-	-	-	-	
9	1.2D+1.0Wo (240 Deg)				1	1.2	39	1.2	11	1	49		-	-			-		-	-			-	
10	1.2D+1.0Wo (270 Deg)				1	1.2	39	1.2	12	1	50	1	-	-	-		-	-	-	-	-			
11	1.2D+1.0Wo (300 Deg)				1	1.2	39	1.2	13	1	51	1	-				+		-		-		+	
12	1.2D+1.0Wo (330 Deg)				1	1.2	39	1.2	14	1	52		-		-		-	-	-					
13	1.2D + 1.0Di + 1.0Wi (0.				1	1.2	39	1.2	2	1	40		15	-	53		-	-		-			-	
	1.2D + 1.0Di + 1.0Wi (3.			10	1	1.2	39	1.2	2	1	40	1	16	1	54	1		1		1.0	1		-	



July 19, 2023 3:04 PM Checked By:\_\_\_

## Load Combinations (Continued)

15	Description S. 1.2D + 1.0Di + 1.0Wi (6Ye	s PDelta	<u>a S B.</u>	. Fa.	. B.	Fa	B.	Fa	В.	. Fa	В.	Fa.	<u>. B.</u>	Fa.	. <u>. B</u>	Fa.	. В.	Fa.	B	Fa	B	Fa
	1.2D + 1.0Di + 1.0Wi (9Ye						2 2			) 1	_	1	_	1	_	-	-	_	4		_	
							2 2			) 1		3 1	56	1			-					
	1.2D + 1.0Di + 1.0Wi (1Ye						2 2		4(	) 1	19	) 1	57	1					1			1
	1.2D + 1.0Di + 1.0Wi (1Ye		1	1.2	2 39	9 1.	2 2	1	4(	) 1	20	) 1	58	1							1	1
	1.2D + 1.0Di + 1.0Wi (1 Ye		1	1.2	39	1.	2 2	1	4(	) 1			59				-	1	-		1	-
20	1.2D + 1.0Di + 1.0Wi (2Ye	s Y	1	1.2	39	1 1	2 2	1	_	) 1	_					-	-	100		-		
21	1.2D + 1.0Di + 1.0Wi (2Ye						2 2		_	) 1	_				-	-	-		-	-	-	-
	1.2D + 1.0Di + 1.0Wi (2Ye									_			_		-	-		-			-	_
							22			) 1	_	_	62		-	-	-	-	-			
	1.2D + 1.0Di + 1.0Wi (3Ye			1.4	35	1 1.	22			) 1				1	_		_					
							2 2		4(			1	64	1			-					
	1.2D + 1.5Lm1 + 1.0W Yes		1	1.2	39	1.	2 77	1.	5 27	1	65	1		1	1.	1						
	1.2D + 1.5Lm1 + 1.0W Yes		1	1.2	39	11.	2 77	1.	5 28	1	66	1		10.00			T		1		1	
			1 1	1.2	39	1.	2 77	1	5 29	1 1	67	-	1								-	-
28	1.2D + 1.5Lm1 + 1.0W Yes	s Y							5 30			-	1		1		-		-			-
	1.2D + 1.5Lm1 + 1.0W Yes								5 31			-	1		-	-	-	-	-			
	1.2D + 1.5Lm1 + 1.0W Yes			1.2	20	1.4	2 11			+ +		-					+	-	+			
	1.2D + 1.5Lm1 + 1.0W Yes								5 32				-	1.11	1	-	-	-		10		
									5 33					1								_
	1.2D + 1.5Lm1 + 1.0W Yes		1	1.2	39	1.	2 77	1.	5 34	1	72			THE								
	1.2D + 1.5Lm1 + 1.0W Yes		1	1.2	39	1.2	2 77	1.	5 35	1	73	1			-		1					
	1.2D + 1.5Lm1 + 1.0W Yes		1	1.2	39	1.2	2 77	1.	5 36	1	74		1			17.56	1		12	-		
35	1.2D + 1.5Lm1 + 1.0W Yes	Y	1	12	30	115	77	11	5 37	1	75		1		1	1	1	-	1			-
	1.2D + 1.5Lm1 + 1.0W Yes		1	12	20	1 1	77	11	5 38	1	76	-	-			-	-	-	-			
	1.2D + 1.5Lm2 + 1.0W Yes		1	1.2	20	1.0	70	1.1	5 27		_		-		1	-	-	-	-			1
	1.2D + 1.5Lm2 + 1.0W Yes										65		-	-	-	_	-	-	-	-	_	_
	1.2D + 1.5Lm2 + 1.0W Yes			1.2	39	1.4	2 78	1.	5 28	1	66											
			1	1.2	39	1.2	2 78	1.	5 29	1	67	1										
	1.2D + 1.5Lm2 + 1.0W Yes		1	1.2	39	1.2	2 78	1.	5 30	1	68	1										
	1.2D + 1.5Lm2 + 1.0W Yes		1	1.2	39	1.2	2 78	1.	5 31	1	69	1										-
42	1.2D + 1.5Lm2 + 1.0W Yes	Y	1	1.2	39	12	78	11	5 32	1 1	70	_				-	-	-				-
43	1.2D + 1.5Lm2 + 1.0W Yes	Y	1	12	30	1 2	78	1.	5 33	1	71			0,1111		-	-	-	1100			
	1.2D + 1.5Lm2 + 1.0W Yes		1	1.2	20	1.0	70	4.5	5 34	1			-		-		-	-	-		-	
	1.2D + 1.5Lm2 + 1.0W Yes		1	1.2	39	1.2	10	1.5	5 34		72		-		-	_	-	-	1			
	1.2D + 1.5Lm2 + 1.0W Yes			1.2	39	1.4	/8	1.	5 35	1	73		-		-		-	_	-			_
			1	1.2	39	1.2	2 78	1.5	5 36	1	74							CIT.				
	1.2D + 1.5Lm2 + 1.0W Yes		1	1.2	39	1.2	2 78	1.5	5 37	1	75	1										
	1.2D + 1.5Lm2 + 1.0W Yes	Y	1	1.2	39	1.2	2 78	1.5	5 38	1	76	1			1							
49	1.2D + 1.5Lv1 Yes	Y					2 79				1			-						-	-	-
50	1.2D + 1.5Lv2 Yes	Y					80					-	1		-			-		1	-	-
51	1.4D Yes			1.4						1		-			-	-	-	-				
	1.2D + 1.0Ev + 1.0Eh (0. Yes							4	E	4	00	4	00	_			-		-		-	_
	1.2D + 1.0Ev + 1.0Eh (3. Yes		1	1.2	39	1.2	01		E	1	82	1	83		ELZ							
									E.,,			.866										
	1.2D + 1.0Ev + 1.0Eh (6. Yes								E		82	.5	83	.866	ELZ	.5	E	.866			T	
	1.2D + 1.0Ev + 1.0Eh (9. Yes		1	1.2	39	1.2	81	1	E	1	82		83	1	ELZ		E	1				
_	1.2D + 1.0Ev + 1.0Eh (1. Yes		1	1.2	39	1.2	81	1	E	1								.866				
	1.2D + 1.0Ev + 1.0Eh (1. Yes		11	1.2	39	12	81	1	E.,.	1	82	866	83	5	EL Z	866	E	.5			-	-
58	1.2D + 1.0Ev + 1.0Eh (1. Yes		1	12	30	1 2	81	1	E	1	82	-1	82	.5	ELZ						-	-
	1.2D + 1.0Ev + 1.0Eh (2. Yes		1	12	30	1 0	81	1	E											_	-	
	1.2D + 1.0Ev + 1.0Eh (2. Yes			10	20	1.2	01	1				866									-	
	1.2D + 1.0Ev + 1.0Eh (2. Yes			1.2	39	1.2	81	1	E			5						866		-		
			1	1.2	39	1.2	81	1	E		82		_	tion therein the same	ELZ	_	E	-1				
	1.2D + 1.0Ev + 1.0Eh (3. Yes		1	1.2	39	1.2	81	1	E		82	.5	83	.866	ELZ	.5	E	866				
	1.2D + 1.0Ev + 1.0Eh (3. Yes		1	1.2	39	1.2	81	1	E	1		.866										-
	0.9D - 1.0Ev + 1.0Eh (0Yes		1									1			ELZ						-	1
	0.9D - 1.0Ev + 1.0Eh (3Yes		1	.9								.866						E		-	-	-
	0.9D - 1.0Ev + 1.0Eh (6Yes		1				01	4	E	-	02							.5		-	-	_
	0.9D - 1.0Ev + 1.0Eh (9. Yes	Y		.0	23	.9	01	-1	E	-1	OZ	.5					-	.866				
									E						ELZ		E	1				
	0.9D - 1.0Ev + 1.0Eh (1Yes		1	.9	39	.9	81	-1	E	-1		5						.866				
	0.9D - 1.0Ev + 1.0Eh (1 Yes		1						E			866	83	.5	ELZ	.866	E	.5		-		
	0.9D - 1.0Ev + 1.0Eh (1Yes		1 .									-1	83		ELZ							
71 0	0.9D - 1.0Ev + 1.0Eh (2Yes	Y	1	0	00	0	0.1		F	4	00	.866	00	-				-	-			_

RISA-3D Version 17.0.4 [R:\...\...\Mount Analysis\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d] Page 6

# Load Combinations (Continued)

		Description	S	PDelta	S	в	Fa	в	Fa	В	Fa	. B	Fa	. B	Fa	B	Fa	B	Fa	. B	Fa E	3 Fa	B	Fa
70	In on	1.0Ev + 1.0Eh (2.			T	1					-1	E	-1	82	5	83	866	<b>ELZ</b>	5	E	866			
		1.0Ev + 1.0Eh (2.			-	1		39			-1		-1	82		83	-1	ELZ		E	-1			
		1.0Ev + 1.0Eh (3.			100	1	.9			81	-1	E	-1	82	.5	83	866	BELZ	.5	E	866			
		1.0Ev + 1.0Eh (3.			1	1			.9	81	-1	E	-1	82	.866	83	5	ELZ	.866	6 E	5			

# Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap.
1	CP	0	0	0	0	
2	N36	-0.499173	0	-8.659772	0	
3	N53A	-7.749169	0	3.89759	0	
4	N49A	-7.249996	0	4.762182	0	-
5	N50	7.249996	0	4.762182	0	
6	N51A	7.749169	0	3.89759	0	
7	N52A	0.499173	00	-8.659772	0	
8	N69	-5.999996	0	4.762182	0	
9	N70	-0.833329	0	4.762182	0	
10	N72	6.166671	0	4.762182	0	
11	N73	-5.999996	0	5.012182	0	
12	N74	-0.833329	0	5.012182	0	
13	N76	6.166671	0	5.012182	0	
14	N77	-5.999996	3.916667	5.012182	0	
15	N78	-0.833329	4.916667	5.012182	0	
16	N80	6.166671	3.916667	5.012182	0	
17	N81	-5.999996	-2.083333	5.012182	0	
18	N82	-0.833329	-2.083333	5.012182	0	
19	N84	6.166671	-2.083333	5.012182	0	
20	N112A	-1.407289	0	0.812499	0	
21	N113A	-4.170228	0	2.407682	0	
22	N114	-7.144782	0	4.125042	0	
23	N115	-2.883777	0	4.635887	0	
	N116A	-5.319916	0.166667	0.416369	0	
24	N117	-3.020547	0.166667	4.398995	0	
25	N119	-5.319916	0	0.416369	0	
26	N120B	-3.020547	0	4.398995	0	
27	N120B	-7.302605	0.166667	3.850493	0	
28	N121	-6.987303	0.166667	4.398992	0	
29	N122	-7.303293	0	3.850493	0	
30	N124A	-6.986617	0	4.398992	0	
31		-5.456686	Ő	0.179477	0	
32	N125	-4.086898	Ū Ū	2.55202	0	
33	N126	-4.253565	0	2.263344	0	
34	N127	-7.41822	0	3.651432	0	
35	N128	-6.871345	0	4.598648	0	
36	N129	-3.046157	0	4.729637	0	
37	N130	-5.619066	0	0.273227	0	
38	N131	-3.212823	0	4.729637	0	
39	N132		0	4.762182	0	
40	N133	-3.212823	0	4.598648	0	
41	N134	-6.746345	0	4.762182	0	
42	N135	-6.746345		0.417565	0	
43	N136	-5.702399	0	0.401294	0	
44	N137	-5.730582	0	3.543179	0	
45	N138	-7.35572	0	3.461414	0	
46	N139	-7.497343	0		0	
47	N84A	1.407289	0	0.812499	0	CF
48	N85A	4.170228	0	2.407682	0	

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Analysis\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d] Page 7



# Joint Coordinates and Temperatures (Continued)

<u> </u>	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
49	N86A	7.144782	0	4.125042	0	
50	N87A	5.456684	0	0.17948	0	
51	N88A	3.020545	0.166667	4.398998	0	
52	N89A	5.319915	0.166667	0.416373	0	
53	N90A	3.020545	0	4.398998	0	
54	N91A	5.319915	0	0.416373	0	
55	N92A	6.985928	0.166667	4.398995	0	
56	N93	7.30329	0.166667	3.851686	0	
57	N94	6.986271	0	4.39959	0	
58	N95A	7.302947	0	3.851092	0	
59	N96A	2.883775	0	4.63589	0	
60	N97A	4.253563	0	2.263348	0	
61	N98A	4.086896	0	2.552023	0	
62	N99	6.871344	0	4.598651	Ő	
63	N100	7.418219	0	3.651436	0	
64	N101	5.619064	0	0.27323	0	
65	N102	3.046155	0	4.72964	Ö	
66	N103	5.702397	0	0.417568	Ő	
67	N104	5.730583	0	0.401295	0	
68	N105	7.355719	0	3.543183	0	
69	N106	7.497344	0	3.461415	0	
70	N107	3.212821	0	4.72964	0	
71	N108	3.212821	0	4.762182	0	
72	N109	6.746344	0	4.598651	0	
73	N110	6.746344	0	4.762182	0	
74	N112	-0.	0	-1.624997	0	
75	N113	-0.	0	-4.815367		
76	N114A	-0.	0	-8.250084	0	
77	N115A	-2.572908	0			
78	N116	2.299372	0.166667	-4.815367	0	
79	N117A	-2.299368	0.166667	-4.815367	0	
80	N118	2.299372		-4.815367	0	
81	N119A	-2.299368	0	-4.815367	0	
82	N120	0.316678	0.166667	-4.815367	0	
83	N121A	-0.315987		-8.249488	0	
84	N122A	0.317021	0.166667	-8.250678	0	
85	N123A	-0.31633	0	-8.250084	0	
86	N123A	2.572911	0	-8.250084	0	
87	N124	-0.166665	0	-4.815367	0	
88	N126A		0	-4.815367	0	
89	N127A	0.166669	0	-4.815367	0	
90	N128A	0.546877	0	-8.250084	0	
91	N120A N129A	-0.546873	0	-8.250084	0	
92		-2.572908	0	-5.002867	0	
	N130A	2.572911	0	-5.002867	0	
93	N131A	-2.489574	0	-5.147205	0	
94	N132A	-2.517759	0	-5.163478	0	
95	N133A	-0.609373	0	-8.14183	0	
96	N134A	-0.750998	0	-8.223598	0	
97	N135A	2.489578	0	-5.147205	0	
98	N136A	2.51776	0	-5.163476	0	
99	N137A	0.609377	0	-8.14183	0	
100	N138A	0.750999	0	-8.223596	0	
101	N101A	4.166671	0	4.762182	0	
102	N102A	4.166671	0	5.012182	0	
103	N103A	4.166671	3.916667	5.012182	0	
104	N104A	4.166671	-2.083333	5.012182	0	
105	N106A	7.124169		2.815058		

RISA-3D Version 17.0.4 [R:\...\...\...\...\Mount Analysis\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d] Page 8



# Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp (F)	Detach From Diap
106	N108A	1.040836	0	-7.721585	0	
107	N109A	7.340675	0	2.690058	0	
108	N111	1.257342	0	-7.846585	0	
109	N112B	7.340675	3.916667	2.690058	0	
110	N114B	1.257342	3.916667	-7.846585	0	
111	N115B	7.340675	-2.083333	2.690058	0	
112	N117B	1.257342	-2.083333	-7.846585		1 Contraction of the second
113	N118A	2.040836	0	-5.989534	0	
114	N119B	2.257342	0	-6.114534	0	
115	N120A	2.257342	3.916667	-6.114534	0	
116	N121B	2.257342	-2.083333	-6.114534	0	the second second
117	N123B	-1.124173	0	-7.57724	0	
118	N125B	-7.207506	0	2.959402	0	
119	N126B	-1.340679	0	-7.70224	0	-
120	N128B	-7.424013	0	2.834402	0	
121	N129B	-1.340679	3.916667	-7.70224	0	
122	N131B	-7.424013	3.916667	2.834402	0	1011
	N132B	-1.340679	-2.083333	-7.70224	0	
123	N134B	-7.424013	-2.083333	2.834402	0	
124	N135B	-6.207506	0	1.227351	0	
125		-6.424013	0	1.102351	0	
126	N136B	-6.424013	3.916667	1.102351	0	
127	N137B	-6.424013	-2.083333	1.102351	0	-8.0
128	N138B	-0.424013	0	-3.041664	0	
129	N137C	-2.634158	0	1.520832	0	
130	N139A	2.634158	0	1.520832	0	
131	N141		0	-2.333331	Ő	
132	N140	-0.	0	-2.333331	0	
133	N141A	0.266667	5	-2.333331	0	2
134	N142	0.266667		-2.333331	0	
135	N143	0.266667	2.5	1.166665	0	
136	N145	-2.020724	0		0	
137	N146	-2.154057	0	0.935725	0	
138	N147	-2.154057	5	0.935725	0	
139	N148	-2.154057	2.5	0.935725	0	
140	N148A	-7.249996	3.083333	4.762182		
141	N149	7.249996	3.083333	4.762182	0	
142	N150	-5.999996	3.083333	4.762182	0	
143	N151	-0.833329	3.083333	4.762182	0	
144	N152	6.166671	3.083333	4.762182	0	
145	N153	-5.999996	3.083333	5.012182	0	
146	N154	-0.833329	3.083333	5.012182	0	
147	N155	6.166671	3.083333	5.012182	0	
148	N156	4.166671	3.083333	4.762182	0	
149	N157	4.166671	3.083333	5.012182	0	
150	N158	-5.249996	3.083333	4.762182	0	
	N159	-5.249996	3.083333	4.512182	0	
151	N160	5.249996	3.083333	4.762182	0	
152		5.249996	3.083333	4.512182	0	
153	N161 N162	7.749169	3.083333	3.89759	0	
154		0.499173	3.083333	-8.659772	0	
155	N163	7.124169	3.083333	2.815058	0	
156	N164	1.040836	3.083333	-7.721585	0	
157	N166		3.083333	2.690058	Ő	
158	N167	7.340675	3.083333	-7.846585	0	
159	N169	1.257342	3.083333	-5.989534	Ö	
160	N170	2.040836		-6.114534	0	
161	N171	2.257342	3.083333	2.165539	0	
162	N172	6.749169	3.083333	2.100000	0	

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Analysis\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d] Page 9



## Joint Coordinates and Temperatures (Continued)

N173 N174	6.532663		Z [ft]		
N174		3.083333	2.290539	Temp [F] 0	Detach From Diap.
the second se	1.499173	3.083333	-6.927721	0	
<u>N175</u>	1.282667	3.083333	-6.802721	0	
N176	-0.499173	3.083333	and the second se		
N177	-7.749169	3.083333			
N178	-1.124173				
N180	-7.207506	3.083333			
N181	-1.340679	3.083333			
N183	-7.424013				
N184	-6.207506				
N185	-6.424013				
N186	-1.499173		the second se		
N187					
N188					and the second s
N189					
N190		the second s			
N191	-0.				
N192	-1.407289				
N194					
N196		and the state of the			
N197					
N184A					100
N185A					
N188A					
N189A					
			the second s	the second se	
		~			
	N178 N180 N180 N181 N183 N184 N185 N186 N187 N188 N189 N190 N191 N192 N194 N192 N194 N196 N197 N184A N185A N185A N186A N187A	N176         -0.499173           N177         -7.749169           N178         -1.124173           N180         -7.207506           N181         -1.340679           N183         -7.424013           N184         -6.207506           N185         -6.424013           N186         -1.499173           N187         -1.282667           N188         -6.749169           N189         -6.532663           N190         -0.           N191         -0.           N192         -1.407289           N194         1.407289           N195         -5.252762           N197         5.252762           N185A         4.757342           N186A         4.757342           N186A         4.757342           N186A         4.757342           N186A         4.757342           N188A         4.540836           N189A         4.757342           N188A         4.540836           N189A         4.757342           N189A         4.757342           N189A         4.3024013           N190A         -3.924013	N176         -0.499173         3.083333           N177         -7.749169         3.083333           N178         -1.124173         3.083333           N178         -1.124173         3.083333           N180         -7.207506         3.083333           N181         -1.340679         3.083333           N181         -1.340679         3.083333           N183         -7.424013         3.083333           N183         -7.424013         3.083333           N183         -7.424013         3.083333           N185         -6.424013         3.083333           N185         -6.424013         3.083333           N185         -6.424013         3.083333           N186         -1.499173         3.083333           N185         -6.424013         3.083333           N186         -1.499173         3.083333           N187         -1.282667         3.083333           N188         -6.749169         3.083333           N189         -6.532663         3.083333           N190         -0.         0           N192         -1.407289         -3.666667           N194         1.407289         -3.6666667 <td>N176         -0.499173         3.083333         -8.659772           N177         -7.749169         3.083333         -8.659772           N178         -1.124173         3.083333         -7.57724           N180         -7.207506         3.083333         2.959402           N181         -1.340679         3.083333         2.959402           N181         -1.340679         3.083333         2.834402           N183         -7.424013         3.083333         1.227351           N185         -6.424013         3.083333         1.02351           N185         -6.424013         3.083333         -6.927721           N185         -6.424013         3.083333         -6.927721           N185         -6.424013         3.083333         2.165539           N186         -1.499173         3.083333         2.290539           N187         -1.282667         3.083333         2.290539           N189         -6.532663         3.083333         2.290539           N190         -0.         -3.666667         0.812499           N191         -0.         0         -6.065367           N192         -1.407289         -3.666667         0.812499</td> <td>N176         -0.499173         3.083333         -8.659772         0           N177         -7.749169         3.083333         -8.659772         0           N178         -1.124173         3.083333         -8.659772         0           N178         -1.124173         3.083333         -7.57724         0           N180         -7.207506         3.083333         -7.57724         0           N181         -1.340679         3.083333         -7.70224         0           N183         -7.424013         3.083333         2.834402         0           N184         -6.207506         3.083333         1.02351         0           N185         -6.424013         3.083333         -6.927721         0           N186         -1.499173         3.083333         -2.105539         0           N187         -1.282667         3.083333         2.165539         0           N188         -6.749169         3.083333         2.290539         0           N189         -6.532663         3.083333         2.290539         0           N190         -0         -3.666667         0.812499         0           N191         -0         0         -6.065367</td>	N176         -0.499173         3.083333         -8.659772           N177         -7.749169         3.083333         -8.659772           N178         -1.124173         3.083333         -7.57724           N180         -7.207506         3.083333         2.959402           N181         -1.340679         3.083333         2.959402           N181         -1.340679         3.083333         2.834402           N183         -7.424013         3.083333         1.227351           N185         -6.424013         3.083333         1.02351           N185         -6.424013         3.083333         -6.927721           N185         -6.424013         3.083333         -6.927721           N185         -6.424013         3.083333         2.165539           N186         -1.499173         3.083333         2.290539           N187         -1.282667         3.083333         2.290539           N189         -6.532663         3.083333         2.290539           N190         -0.         -3.666667         0.812499           N191         -0.         0         -6.065367           N192         -1.407289         -3.666667         0.812499	N176         -0.499173         3.083333         -8.659772         0           N177         -7.749169         3.083333         -8.659772         0           N178         -1.124173         3.083333         -8.659772         0           N178         -1.124173         3.083333         -7.57724         0           N180         -7.207506         3.083333         -7.57724         0           N181         -1.340679         3.083333         -7.70224         0           N183         -7.424013         3.083333         2.834402         0           N184         -6.207506         3.083333         1.02351         0           N185         -6.424013         3.083333         -6.927721         0           N186         -1.499173         3.083333         -2.105539         0           N187         -1.282667         3.083333         2.165539         0           N188         -6.749169         3.083333         2.290539         0           N189         -6.532663         3.083333         2.290539         0           N190         -0         -3.666667         0.812499         0           N191         -0         0         -6.065367

#### Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design	A [in2]	lyy [in4]	Izz [in4]	J [in4]
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	A500 Gr.B Rect		3.37	7.8	7.8	12.8
3	Extension HSS	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect		3.37	7.8	7.8	12.8
4	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
5	Platform Crossmember	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
6	Grating Support	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
7	Mount Pipe	PIPE 2.0	Column		A53 Gr.B	Typical	1.02	.627	.627	1.25
8	Cross Arm Plate	PL1/2x6	Column		A36 Gr.36	Typical	3	.063	9	.237
9	Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
11	Kicker	LL3x3x3x3	Column	Double Angle (3/	A36 Gr.36	Typical	2.18	4.09	1.9	.027
12	Replacement Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

### Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1	Density[k/ft^3]	Yield[ksi]	Rv	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	11	65	1 1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	15	58	12
3	A572 Gr.50	29000	11154	.3	.65	49	50	1.0	65	1 1

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

Hot Rolled Steel Properties (Continued)

	1.1.1	E fireil	G [ksi]	Nu	Therm (/1	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1101	Label	E [ksi]		2	.65	.527	42	14	58	1.3
4	A500 Gr.B RND		11154	.3		and the second se		11	58	12
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	and the second sec	1.0
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
0			11154	3	.65	.49	50	1.4	65	1.3
1	A1085	29000					35	15	58	12
8	0235	29000	11154	.3	.65	.49		1.0	00	1.44

## Member Primary Data

_	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Туре	Design List	Material A53 Gr.B	Design Rule Typical
1	M20	N53A	N36			Face Horizontal		Pipe		Typical
2	M32	N50	N49A			Face Horizontal		Pipe	A53 Gr.B A53 Gr.B	Typical
3	M33A	N52A	N51A			Face Horizontal		Pipe	RIGID	Typical
4	M42	N69	N73			RIGID	None	None		Typical
5	M43A	N70	N74			RIGID	None	None	RIGID	Typical
6	M45	N72	N76			RIGID	None	None	RIGID	Typical
7	MP1A	N80	N84			Mount Pipe	Column	Pipe	A53 Gr.B	
8	MP3A	N78	N82			Replacement	Column	Pipe	A53 Gr.B	Typical
9	MP4A	N77	N81			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	M72A	N139A	N114			Standoff Horiz	Beam	SquareTube	A500 Gr.B.	Typical
11	M73	N125	N127		180	Platform Cross	Beam	Single Angle	A36 Gr.36	Typical
12	M74	N126	N115		180	Platform Cross	Beam	Single Angle	A36 Gr.36	Typical
13	M75	N129	N128			Corner Plate	Beam	BAR	A36 Gr.36	Typical
14	M76	N117	N120B	#0		RIGID	None	None	RIGID	Typical
15	M77	N116A	N119			RIGID	None	None	RIGID	Typical
16	M78	N121	N116A	Contraction of the second s		Grating Support		Single Angle	A36 Gr.36	Typical
17	M79	N117	N122	-		Grating Support		Single Angle	A36 Gr.36	Typical
18	M80	N122	N124A			RIGID	None	None	RIGID	Typical
19	M81	N121	N123			RIGID	None	None	RIGID	Typical
20	M82	N126	N113A	1991	South State	RIGID	None	None	RIGID	Typical
20	M83	N113A	N127			RIGID	None	None.	RIGID	Typical
	M84	N115	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M85	N130	N132			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M86A	N132	N133	12 4 1 1 1		RIGID	None	None	RIGID	Typical
24	M87A	N129	N134			Corner Plate	Beam	BAR	A36 Gr.36	Typical
25	M88	N134	N135	245 2	COLUMN T	RIGID	None	None	RIGID	Typical
26		N125	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
27	M89A	N131	N136			Cross Arm Plate		RECT	A36 Gr.36	Typical
28	M90A	N136	N137			RIGID	None	None	RIGID	Typical
29	M91	N128	N138			Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M92	N138	N139			RIGID	None	None	RIGID	Typical
31	M93A		N86A			Standoff Horiz	Beam	SquareTube	A500 Gr.B	Typical
32	M50A	N141	N98A		180	Platform Cross.		Single Angle	A36 Gr.36	Typical
33	M51A	N96A		-	180	Platform Cross.		Single Angle	A36 Gr.36	Typical
34	M52	N97A	N87A		100	Corner Plate		BAR	A36 Gr.36	Typical
35	M53A	N100	N99			RIGID	None	None	RIGID	Typical
36	M54	N89A	N91A			RIGID	None	None	RIGID	Typical
37	M55	N88A	N90A	S. C. SU	dist in the	Grating Support		Single Angle		Typical
38	M56	N92A	N88A		-	Grating Support		Single Angle		Typical
39	M57	N89A	N93	and the second		RIGID	None	None	RIGID	Typical
40	M58	N93	N95A	-		RIGID	None	None	RIGID	Typical
41	M59	N92A	N94		the second second	RIGID	None	None	RIGID	Typical
42	M60	N97A	N85A	-	-		None	None	RIGID	Typical
43	M61	N85A	N98A			RIGID Cross Arm Plate		RECT	A36 Gr.36	Typical
44	M62	N87A	N101			Cross Arm Plate		RECT	A36 Gr.36	Typical
45	M63	N101	N103					the second se	RIGID	Typical
46	M64	N103	N104	12 mil 10		RIGID	None	None	A36 Gr.36	Typical
47	M65	N100	N105			Corner Plate	Beam	BAR	7.00 01.00	Typical



July 19, 2023 3:04 PM Checked By:\_\_\_

#### Member Primary Data (Continued)

48	Label M66	I Joint N105	J Joint N106	K Joint	Rotate(deg)	Section/Shar RIGID		Type None	Design List None	Material RIGID	Design Rul Typical
49	M67	N96A	N102			Cross Arm Pla	ate C	hume	RECT	A36 Gr.36	
50	M68	N102	N107		1	Cross Arm Pla	ate Co	Jump	RECT	A36 Gr.36	Typical Typical
51	M69	N107	N108			RIGID		lone	None	RIGID	
52	M70	N99	N109	COLUMN STREET		Corner Pla		leam	BAR	A36 Gr.36	Typical
53	M71	N109	N110			RIGID		lone	None	RIGID	Typical
54	M72	N137C	N114A			Standoff Horiz		eam	SquareTube		Typical
55	M73A	N124	N126A			Platform Cros		eam	Single Angle		Typical
56	M74A	N125A	N115A			Platform Cros		eam	Single Angle		Typical
57	M75A	N128A	N127A		100	Corner Pla	_		BAR	A36 Gr.36	Typical
58	M76A	N117A	N119A	1.15	1	RIGID		eam			Typical
59	M77A	N116	N118			RIGID		lone	None	RIGID	Typical
60	M78A	N120	N116			Grating Suppo		lone	None Cincle Anale	RIGID	Typical
61	M79A	N117A	N121A			Grating Suppo			Single Angle		Typical
62	M80A	N121A	N123A	-					Single Angle		Typical
63	M81A	N120	N123A			RIGID		lone	None	RIGID	Typical
64	M82A	N125A			10000	RIGID		one	None	RIGID	Typical
65	M83A		N113			RIGID		one	None	RIGID	Typical
66		N113	N126A			RIGID	N	lone	None	RIGID	Typical
	M84A	N115A	N129A		1	Cross Arm Pla	ate Co	lumn	RECT	A36 Gr.36	Typical
67	M85A	N129A	N131A			Cross Arm Pla			RECT	A36 Gr.36	Typical
68	M86	N131A	N132A	1		RIGID		lone	None	RIGID	Typical
69	M87	N128A	N133A			Corner Plat		eam	BAR	A36 Gr.36	Typical
70	M88A	N133A	N134A			RIGID	N	one	None	RIGID	Typical
71	M89	N124	N130A			Cross Arm Pla	ate Co	lumn	RECT	A36 Gr.36	Typical
72	M90	N130A	N135A		(	Cross Arm Pla	ate Co	lumn	RECT	A36 Gr.36	Typical
73	M91A	N135A	N136A			RIGID	N	one	None	RIGID	Typical
74	M92A	N127A	N137A			<b>Corner Plat</b>	te Be	eam	BAR	A36 Gr.36	Typical
75	M93	N137A	N138A			RIGID	N	one	None	RIGID	Typical
76	M76B	N101A	N102A			RIGID	N	опе	None	RIGID	Typical
77	MP2A	N103A	N104A			Mount Pipe	e Co	lumn	Pipe	A53 Gr.B	Typical
78	M78B	N106A	N109A		1	RIGID		one	None	RIGID	Typical
79	M80B	N108A	N111			RIGID		one	None	RIGID	Typical
80	MP1C	N114B	N117B			Mount Pipe		lumn	Pipe	A53 Gr.B	Typical
81	MP4C	N112B	N115B			Mount Pipe	-		Pipe	A53 Gr.B	Typical
82	M84B	N118A	N119B			RIGID		one	None	RIGID	Typical
83	MP2C	N120A	N121B			Mount Pipe		lumn	Pipe	A53 Gr.B	Typical
84	M86B	N123B	N126B			RIGID		one	None	RIGID	Typical
85	M88B	N125B	N128B			RIGID		one	None	RIGID	Typical
86	MP1B	N131B	N134B			Mount Pipe		lumn	Pipe	A53 Gr.B	Typical
87	MP4B	N129B	N132B			Mount Pipe			Pipe	A53 Gr.B	Typical
88	M92B	N135B	N136B			RIGID		one	None	RIGID	Typical
89	MP2B	N137B	N138B			Mount Pipe			Pipe	A53 Gr.B	Typical Typical
90	M94	N139A	N112A						SquareTube	A500 Gr B	
91	M95	N137C	N112			Extension HS			the second s		Typical
92	M96	N141	N84A	-		Extension HS			SquareTube SquareTube		Typical
93	M97	N141A	N140			RIGID					Typical
94	M98	N143	N140					one	None	RIGID	Typical
95	M99	N146	N142			Mount Pipe		lumn	Pipe	A53 Gr.B	Typical
96	M100	N148	N145			RIGID		one	None	RIGID	Typical
97	M100	N140 N149	N147			Mount Pipe	_	lumn	Pipe	A53 Gr.B	Typical
98	M101	N149		2		Support Ra		eam	Pipe	A53 Gr.B	Typical
99	M102		N153			RIGID		опе	None	RIGID	Typical
		N151	N154	6		RIGID		one	None	RIGID	Typical
100	M104	N152	N155			RIGID	_	one	None	RIGID	Typical
101	M105	N156	N157			RIGID		оле	None	RIGID	Typical
102	M106	N158	N159	and the		RIGID		one	None	RIGID	Typical
103	M107	N160	N161			RIGID		one	None	RIGID	Typical
104	M108	N163	N162		and the second se	Support Rai		am	Pipe	A53 Gr.B	Typical

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

Page 12



July 19, 2023 3:04 PM Checked By:\_\_\_\_

#### Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Туре	Design List	Material	Design Rules
105	M109	N164	N167	TX ODIN		RIGID	None	None	RIGID	Typical
105	M111	N166	N169	0.00		RIGID	None	None	RIGID	Typical
	M112	N170	N171	and discussion		RIGID	None	None	RIGID	Typical
107	M112 M113	N172	N173			RIGID	None	None	RIGID	Typical
108	the second se	N174	N175			RIGID	None	None	RIGID	Typical
109	M114	N177	N176			Support Rail	Beam	Pipe	A53 Gr.B	Typical
110	M115	N178	N181			RIGID	None	None	RIGID	Typical
111	M116	N180	N183			RIGID	None	None	RIGID	Typical
112	M118		N185			RIGID	None	None	RIGID	Typical
113	M119	N184	N187	-		RIGID	None	None	RIGID	Typical
114	M120	N186	N189			RIGID	None	None	RIGID	Typical
115	M121	N188			90	Support Rail C	Beam	Single Angle	A36 Gr.36	Typical
116	M122	N159	N189		90	Support Rail C	Beam	Single Angle	A36 Gr.36	Typical
117	M123	N187	N175		90	Support Rail C	Beam	Sinale Anale		Typical
118	M124	N173	N161		90	Kicker	Column	Double Angle (		Typical
119	M125	N191	N190			Kicker	Column	Double Angle (	A36 Gr.36	Typical
120	M126	N196	N192			Kicker	Column	Double Angle (	A36 Gr.36	Typical
121	M127	N197	N194			RIGID	None	None	RIGID	Typical
122	M122A	N184A	N185A			Replacement	Column		A53 Gr.B	Typical
123	MP3C	N186A	N187A					None	RIGID	Typical
124	M124A	N188A	N189A			RIGID	None		RIGID	Typical
125	M125A	N190A	N191A			RIGID	None	None	A53 Gr.B	Typical
126	MP3B	N192A	N193			Replacement	Column			Typical
127	M127A	N194A	N195			RIGID	None	None	RIGID	Typical

#### Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat. Analysis	Inactive	Seismic
1	M20						Yes			None
2	M32						Yes			None
3	M33A						Yes			None
4	M42						Yes	** NA **		None
5	M43A						Yes	** NA **		None
6	M45						Yes	** NA **		None
7	MP1A						Yes	** NA **		None
8	MP3A						Yes	** NA **		None
9	MP4A						Yes	** NA **		None
10	M72A						Yes	Default		None
	M73						Yes			None
11	M74	-					Yes			None
12	and the second se						Yes			None
13	M75	17 17 10 - 1 - 1 -	Nov Contractor				Yes	** NA **		None
14	M76					-	Yes	** NA **		None
15	M77	00000	00000X				Yes			None
16	M78	000000	000000				Yes			None
17	M79	DUUUUX	00000X				Yes	** NA **		None
18	M80						Yes	** NA **		None
19	M81			1.06-5			Yes	** NA **		None
20	M82						Yes	** NA **		None
21	M83				1997 - Contra Co		Yes	** NA **	1	None
22	M84		_			2 1 1 1 1 1 1	Yes	** NA **		None
23	M85		-				Yes	** NA **		None
24	M86A		BenPIN				Yes			None
25	M87A							** NA **		None
26	M88		BenPIN				Yes	** NA **	and the second s	None
27	M89A						Yes	** NA **		None
28	M90A			()			Yes			None
29	M91		BenPIN				Yes	** NA **		INONE



## Member Advanced Data (Continued)

30	Label M92	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only		I Defl Rat.	Analysis	Inactive	Seismic.
31	M93A		BenPIN				Yes	** NA **			None
32	M50A		Denrin				Yes				None
33	M51A						Yes	Default			None
34	M51A	a Fig.	1 1 1				Yes				None
35	M53A	-					Yes	-		_	None
36	M54	1					Yes	** ** **			None
37	M55						Yes	** NA **			None
38	M56	00000	00000X				Yes	** NA **			None
39	M57		00000X				Yes	- mail			None
40	M58	UUUUUA	00000				Yes				None
41	M59	+					Yes	** NA **			None
42	M60						Yes	** NA **			None
43	M61	-			_	1	Yes	** NA **			None
44	M62						Yes	** NA **			None
45	M63						Yes	** NA **			None
46	M64		BenPIN				Yes	** NA **			None
40	M65		Denrin				Yes	** NA **			None
48	M66		PerDIN				Yes				None
40	M67		BenPIN	1.5			Yes	** NA **			None
50	M68						Yes	** NA **			None
51	M69		DeeDIN				Yes	** NA **	1.1		None
52	M70	7.24	BenPIN				Yes	** NA **			None
53	M71		DeeDIN			_	Yes	44 515 44			None
53 54	M72		BenPIN				Yes	** NA **			None
55	M73A						Yes	Default			None
56	M74A						Yes				None
57	M75A						Yes				None
58	M76A						Yes				None
					-		Yes	** NA **			None
59	M77A M78A	00000	00000				Yes	** NA **			None
60 61	M79A		00000X				Yes				None
62	M80A	OUUUX	00000X	-			Yes				None
	M81A				_		Yes	** NA **			None
63 64	M82A	The second					Yes	** NA **			None
65	M83A				-		Yes	** NA **	1		None
							Yes	** NA **			None
66 67	M84A M85A						Yes	** NA **			None
			DesDIN				Yes	** NA **			None
68 69	M86 M87		BenPIN				Yes	** NA **			None
	M88A	-	DUDIN				Yes				None
<b>70</b> 71	M89		BenPIN				Yes	** NA **			None
72	M90						Yes	** NA **			None
			D. DIM				Yes	** NA **			None
73	M91A		BenPIN	_			Yes	** NA **			None
74	M92A		DepDible				Yes				None
75	M93		BenPIN				Yes	** NA **			None
76	M76B						Yes	** NA **			None
77	MP2A						Yes	** NA **			None
78	M78B						Yes	** NA **			None
79	M80B						Yes	** NA **			None
80	MP1C						Yes	** NA **			None
81	MP4C						Yes	** NA **			None
82	M84B						Yes	** NA **			None
83	MP2C	-					Yes	** NA **			None
84	M86B						Yes	** NA **		1.1.1.1.1.1.1.1	None
85	M88B						Yes	** NA **			None
86	MP1B						Yes	** NA **			None



July 19, 2023 3:04 PM Checked By:\_\_\_\_

# Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only		Defl Rat. Analysis	Inactive	Seismic
87	MP4B						Yes	** NA **		None
88	M92B						Yes	** NA **		None
89	MP2B						Yes	** NA **		None
90	M94						Yes			None
91	M95						Yes			None
92	M96						Yes	1.1	G	None
93	M97						Yes	** NA **		None
94	M98						Yes	** NA **		None
95	M99						Yes	** NA **		None
96	M100						Yes	** NA **	1	None
97	M101						Yes			None
98	M102						Yes	** NA **		None
99	M102						Yes	** NA **		None
100	M104						Yes	** NA **	and a second	None
101	M104						Yes	** NA **		None
101	M105	000000					Yes	** NA **		None
102	M100	00000X					Yes	** NA **		None
	M107	000000					Yes			None
104	M108				1		Yes	** NA **		None
105				100			Yes	** NA **	La	None
106	M111						Yes	** NA **		None
107	M112	000000		1000			Yes	** NA **	There are a second s	None
108	M113 M114	00000X					Yes	** NA **		None
109		UUUUUA					Yes			None
110	M115						Yes	** NA **	· · · · · · · · · · · · · · · · · · ·	None
111	M116						Yes	** NA **		None
112	M118						Yes	** NA **		None
113	M119	00000			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Yes	** NA **	in a	None
114	M120	00000X					Yes	** NA **		None
115	M121	UUUUUA					Yes			None
116	M122	-					Yes			None
117	M123			and the second			Yes		A REAL PROPERTY AND	None
118	M124	DUDIN	DeeDIN				Yes	** NA **		None
119	M125	BenPIN	BenPIN				Yes	** NA **		None
120	M126	BenPIN	BenPIN				Yes	** NA **		None
121	M127	BenPIN	BenPIN		1		Yes	** NA **	1200	None
122	M122A				1111 C		Yes	** NA **		None
123	MP3C						Yes	** NA **		None
124	M124A						Yes	** NA **		None
125	M125A					1	Yes	** NA **		None
126	MP3B			the state of the s			Yes	** NA **		None
127	M127A					1	103	1973		

# Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4		V	-20	.33
1	MP3A	Mv	015	.33
2	MP3A	Mz	.01	.33
3	MP3A	V	-20	4.67
4	MP3A MP3A	My	015	4.67
5	MP3A MP3A	Mz	.01	4.67
6	MP3B	Y	-20	.33
8	MP3B	Mv	001	.33
9	MP3B	Mz	018	.33
10	MP3B	Y	-20	4.67
11	MP3B	My	001	4.67



2

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

12	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	MP3B	Mz	018	4.67
13	MP3C	Y	-20	.33
14	MP3C	My	.015	.33
	MP3C	Mz	.011	.33
16	MP3C	Y	-20	4.67
17	MP3C	My	.015	4.67
18	MP3C	Mz	.011	4.67
19	MP3A	Y	-20	.33
20	MP3A	My	015	.33
21	MP3A	Mz	01	.33
22	MP3A	Y	-20	4.67
23	MP3A	My	015	4.67
24	MP3A	Mz	01	4.67
25	MP3B	Y	-20	.33
26	MP3B	My	.016	.33
27	MP3B	Mz	008	.33
28	MP3B	Y	-20	4.67
29	MP3B	My	.016	4.67
30	MP3B	Mz	008	4.67
31	MP3C	Y	-20	.33
32	MP3C	My	004	.33
33	MP3C	Mz	.018	.33
34	MP3C	Y	-20	4.67
35	MP3C	My	004	4.67
36	MP3C	Mz	.018	4.67
37	MP4A	Y	-22.95	.33
38	MP4A	My	023	.33
39	MP4A	Mz	0	.33
40	MP4A	Y	-22.95	4.67
41	MP4A	Mv	023	4.67
42	MP4A	Mz	0	4.67
43	MP4B	Y	-22.95	.33
44	MP4B	My	.011	.33
45	MP4B	Mz	02	.33
46	MP4B	Y	-22.95	4.67
47	MP4B	My	.011	4.67
48	MP4B	Mz	02	4.67
49	MP4C	Y	-22.95	.33
50	MP4C	My	.008	.33
51	MP4C	Mz	.022	.33
52	MP4C	Y	-22.95	4.67
53	MP4C	My	.008	4.67
54	MP4C	Mz	.022	4.67
55	MP1A	Y	-43.55	1.33
56	MP1A	My	022	1.33
57	MP1A	Mz	0	1.33
58	MP1A	Y	-43.55	3.33
59	MP1A	My	022	3.33
50	MP1A	Mz	0	3.33
51	MP1B	Y	-43.55	
52	MP1B	My	.011	1.33
63	MP1B	Mz	019	1.33
64	MP1B	Y	-43.55	1.33
65	MP1B	My	.011	3.33
66	MP1B	Mz	019	3.33
67	MP1C	Y		3.33
68	MP1C	My	-43.55	1.33
		IVIY	.007	1.33



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

Member Label		Direction	Magnitude[lb,k-ft]	Location[ft,%]		
69	MP1C	Mz	.02	1.33		
70	MP1C	Y	-43.55	3.33		
71	MP1C	Mv	.007	3.33		
72	MP1C	Mz	.02	3.33		
73	MP4A	Y	-84.4	2.5		
	MP4A	Mv	.028	2.5		
74	MP4A MP4A	Mz	0	2.5		
75	MP4B	Y	-84.4	2.5		
76	MP4B	My	014	2.5		
77	MP4B	Mz	.024	2.5		
78	MP4D MP4C	Y	-84.4	2.5		
79	MP4C MP4C	My	01	2.5		
80		Mz	026	2.5		
81	MP4C	Y	-70.3	2.5		
82	MP3A	My	.023	2.5		
83	MP3A	Mz	0	2.5		
84	MP3A	Y	-70.3	2.5		
85	MP3B	My	012	2.5		
86	MP3B	Mz	.02	2.5		
87	MP3B	Y	-70.3	2.5		
88	MP3C		008	2.5		
89	MP3C	Mγ	022	2.5		
90	MP3C	Mz Y	-44	1		
91	M100		0	1		
92	M100	My	0	1		
93	M100	Mz	-44	1		
94	M98	Y	-44	1		
95	M98	My	0	1		
96	M98	Mz		6		
97	M108	Y	-17.6	6		
98	M108	My	003	6		
99	M108	Mz	0	6		
100	M108	Y	-17.6	6		
101	M108	My	.003	6		
102	M108	Mz	0	0		

# Member Point Loads (BLC 2 : Antenna Di)

101110-01	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
4	MP3A	Y	-61.001	.33
1		Mv	046	.33
2	MP3A	Mz	.03	.33
3	MP3A		-61.001	4.67
4	MP3A	I	046	4.67
5	MP3A	<u>Mv</u>	.03	4.67
6	MP3A	Mz	-61.001	.33
7	MP3B	Y		.33
8	MP3B	My	004	.33
9	MP3B	Mz	055	4.67
10	MP3B	Y	-61.001	
11	MP3B	My	004	4.67
12	MP3B	Mz	055	4.67
13	MP3C	Y	-61.001	.33
14	MP3C	Mv	.044	.33
	MP3C	Mz	.033	.33
15	MP3C	Y	-61.001	4.67
16	MP3C	My	.044	4.67
17		Mz	.033	4.67
18 19	MP3C MP3A	Y	-61.001	.33



22

July 19, 2023 3:04 PM Checked By:\_\_

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

20	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP3A MP3A	My	046	.33
22	MP3A	Mz	03	.33
23	MP3A	Y	-61.001	4.67
24	MP3A	My	046	4.67
25	MP3B	Mz	03	4.67
26	MP3B	Y	-61.001	.33
27	MP3B	My	.049	.33
28	MP3B	Mz	024	.33
29	MP3B	Y	-61.001	4.67
30	MP3B	My	.049	4.67
31	MP3C	Mz	024	4.67
32	MP3C	Y	-61.001	.33
33	MP3C	My	013	.33
34		Mz	.053	.33
35	MP3C MP3C	Y	-61.001	4.67
36		My	013	4.67
37	MP3C	Mz	.053	4.67
38	MP4A	Y	-67.222	.33
39	MP4A	My	067	.33
40	MP4A	Mz	0	.33
40	MP4A	Y	-67.222	4.67
41	MP4A MP4A	My	067	4.67
42		Mz	0	4.67
43	MP4B	Y	-67.222	.33
44 45	MP4B	My	.034	.33
	MP4B	Mz	058	.33
<u>46</u> 47	MP4B	Y	-67.222	4.67
	MP4B	My	.034	4.67
48	MP4B	Mz	058	4.67
49	MP4C	Y	-67.222	.33
50	MP4C	My	.023	.33
51	MP4C	Mz	.063	.33
52	MP4C	Y	-67.222	4.67
53	MP4C	My	.023	4.67
54	MP4C	Mz	.063	4.67
55	MP1A	Y	-35.578	1.33
56	MP1A	My	018	1.33
57	MP1A	Mz	0	1.33
58	MP1A	Y	-35.578	3.33
59	MP1A	My	018	3.33
60	MP1A	Mz	0	3.33
61	MP1B	Y	-35.578	1.33
62	MP1B	My	.009	1.33
63	MP1B	Mz	015	1.33
64	MP1B	Y	-35.578	3.33
65	MP1B	My	.009	3.33
66	MP1B	Mz	015	3.33
67	MP1C	Y	-35.578	1.33
58	MP1C	My	.006	1.33
69	MP1C	Mz	.017	1.33
70	MP1C	Y	-35.578	3.33
71	MP1C	My	.006	3.33
72	MP1C	Mz	.017	3.33
73	MP4A	Y	-44.855	2.5
74	MP4A	My	.015	2.5
75	MP4A	Mz	0	2.5
76	MP4B	Y	-44.855	2.5



Member Point Loads (BLC 2 : Antenna Di) (Contil	nued)
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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP4B	My	007	2.5
78	MP4B	Mz	.013	2.5
79	MP4C	Y	-44.855	2.5
80	MP4C	My	005	2.5
81	MP4C	Mz	014	2.5
82	MP3A	Y	-40.338	2.5
83	MP3A	My	.013	2.5
84	MP3A	Mz	0	2.5
85	MP3B	Y	-40.338	2.5
86	MP3B	Mv	007	2.5
87	MP3B	Mz	.012	2.5
88	MP3C	Y	-40.338	2.5
89	MP3C	My	005	2.5
90	MP3C	Mz	013	2.5
91	M100	Y	-73.745	1
92	M100	My	0	1
93	M100	Mz	0	11
94	M98	Y	-73.745	1
95	M98	My	0	1
96	M98	Mz	0	1
97	M108	Y	-17.311	6
98	M108	My	003	6
99	M108	Mz	0	6
100	M108	Y	-17.311	6
101	M108	My	.003	6
102	M108	Mz	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.33
2	MP3A	Z	-115.826	.33
3	MP3A	Mx	058	33
4	MP3A	X	0	4.67
5	MP3A	Z	-115.826	4.67
6	MP3A	Mx	058	4.67
7	MP3B	X	0	.33
8	MP3B	Z	-66.321	33
9	MP3B	Mx	.06	.33
10	MP3B	X	0	4.67
11	MP3B	Z	-66.321	4.67
12	MP3B	Mx	.06	4.67
13	MP3C	X	0	.33
14	MP3C	Z	-57.541	.33
15	MP3C	Mx	031	.33
16	MP3C	X	0	4.67
17	MP3C	7	-57.541	4.67
18	MP3C	Mx	031	4.67
19	MP30 MP3A	X	0	.33
20	MP3A	Z	-115.826	.33
20	MP3A	Mx	.058	.33
22	MP3A	X	0	4.67
23	MP3A MP3A	7	-115.826	4.67
23	MP3A	Mx	.058	4.67
	MP3B	X	0	.33
25	MP3B MP3B	7	-66.321	.33
26 27	MP3B MP3B	Mx	.026	.33



July 19, 2023 3:04 PM Checked By:\_\_\_

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP3B	X	0	4.67
29	MP3B	Z	-66.321	4.67
30	MP3B	Mx	.026	4.67
31	MP3C	X	0	.33
32	MP3C	Z	-57.541	.33
33	MP3C	Mx	05	.33
34	MP3C	X	0	4.67
35	MP3C	Z	-57.541	4.67
36	MP3C	Mx	05	4.67
37	MP4A	X	0	.33
38	MP4A	Z	-194.024	.33
39	MP4A	Mx	0	.33
40	MP4A	X	0	4.67
41	MP4A	Z	-194.024	4.67
42	MP4A	Mx	0	4.67
43	MP4B	X	0	.33
44	MP4B	Z	-145.31	.33
45	MP4B	Mx	.126	.33
46	MP4B	X	0	4.67
47	MP4B	Z	-145.31	4.67
48	MP4B	Mx	.126	4.67
49	MP4C	X	0	.33
50	MP4C	Z	-136.67	.33
51	MP4C	Mx	128	.33
52	MP4C	X	0	4.67
53	MP4C	Z	-136.67	4.67
54	MP4C	Mx	128	4.67
55	MP1A	X	0	1.33
56	MP1A	Z	-82.402	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	
59	MP1A	Z	-82.402	3.33
50	MP1A	Mx	0	3.33
51	MP1B	X	0	3.33
52	MP1B	Z	-41.884	1.33
63	MP1B	Mx	.018	1.33
54	MP1B	X	.018	1.33
65	MP1B	Z	-41.884	3.33
66	MP1B	Mx		3.33
67	MP1C	X	.018	3.33
68	MP1C	Z		1.33
59	MP1C	Mx	-34.698	1.33
70	MP1C		016	1.33
71	MP1C	Z	0	3.33
72	MP1C		-34.698	3.33
73	MP1C MP4A	Mx	016	3.33
74	MP4A	Z	0	2.5
4 75	MP4A MP4A		-65.165	2.5
6	MP4A MP4B	Mx	0	2.5
7	MP4B MP4B	X	0	2.5
		Z	-49.084	2.5
8	MP4B	Mx	014	2.5
9	MP4C	X	0	2.5
30	MP4C	Z	-46.232	2.5
31	MP4C	Mx	.014	2.5
2	MP3A	X	0	2.5
33	MP3A	Z	-65.165	2.5
34	MP3A	Mx	0	2.5

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

RISA-3D Version 17.0.4 [R:\...\..\..\..\..\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Mambas Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
0.5	Member Label	X	0	2.5
85	MP3B	7	-43.093	2.5
86	MP3B		012	2.5
87	MP3B	Mx	-:012	2.5
88	MP3C	X		2.5
89	MP3C	Z	-39.178	
90	MP3C	Mx	.012	2.5
91	M100	X	0	
92	M100	Z	-108.55	1
93	M100	Mx	0	1
94	M98	X	0	1
95	M98	7	-155.976	1
	M98	Mx	0	1
96		X	0	6
97	M108	7	-40.298	6
98	M108	Mx	0	6
99	M108		0	6
100	M108	<u>X</u>		6
101	M108	Z	-40.298	6
102	M108	Mx	0	0

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

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

neme er	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	49.662	.33
2	MP3A	Z	-86.017	.33
3	MP3A	Mx	08	33
	MP3A	X	49.662	4.67
4 5	MP3A	Z	-86.017	4.67
6	MP3A	Mx	08	4.67
7	MP3B	X	24.91	.33
8	MP3B	Z	-43.145	.33
9	MP3B	Mx	.037	.33
10	MP3B	X	24.91	4.67
and a subscription of the	MP3B	Z	-43.145	4.67
11 12	MP3B	Mx	.037	4.67
	MP3D MP3C	X	44.277	.33
13	MP3C MP3C	Z	-76.69	.33
14	MP3C MP3C	Mx	009	.33
15	MP3C MP3C	X	44.277	4.67
16	MP3C	Z	-76.69	4.67
17	MP3C MP3C	Mx	009	4.67
18		X	49.662	.33
19	MP3A	Z	-86.017	.33
20	MP3A	Mx	.006	.33
21	MP3A	X	49.662	4.67
22	MP3A	Z	-86.017	4.67
23	MP3A	Mx	.006	4.67
24	MP3A	X	24.91	.33
25	MP3B	Z	-43.145	.33
26	MP3B	Mx	.037	.33
27	MP3B		24.91	4.67
28	MP3B	X	-43.145	4.67
29	MP3B	Z	.037	4.67
30	MP3B	Mx	44.277	.33
31	MP3C	X	-76.69	.33
32	MP3C	Z	077	.33
33	MP3C	Mx	44.277	4.67
34	MP3C	X	-76.69	4.67
35	MP3C	Z	-70.09	4.07



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

20	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	077	4.67
37	MP4A	X	88.893	.33
38	MP4A	Z	-153.967	.33
39	MP4A	Mx	089	.33
40	MP4A	X	88.893	4.67
41	MP4A	Z	-153.967	4.67
42	MP4A	Mx	089	4.67
43	MP4B	X	64.536	.33
44	MP4B	Z	-111.78	.33
45	MP4B	Mx	.129	.33
46	MP4B	X	64.536	4.67
47	MP4B	Z	-111.78	4.67
48	MP4B	Mx	.129	4.67
49	MP4C	X	83.594	.33
50	MP4C	Z	-144.788	.33
51	MP4C	Mx	107	.33
52	MP4C	X	83.594	4.67
53	MP4C	Z	-144.788	4.67
54	MP4C	Mx	107	4.67
55	MP1A	<u> </u>	34.448	1.33
56	MP1A	Z	-59.666	1.33
57	MP1A	Mx	017	1.33
58	MP1A	X	34.448	3.33
59	MP1A	Z	-59.666	3.33
60	MP1A	Mx	017	3.33
61	MP1B	X	14.189	1.33
62	MP1B	Z	-24.576	1.33
63	MP1B	Mx	.014	1.33
64	MP1B	X	14.189	3.33
65	MP1B	Z	-24.576	3.33
66	MP1B	Mx	.014	3.33
67	MP1C	X	30.04	1.33
68	MP1C	Z	-52.032	1.33
69	MP1C	Mx	019	1.33
70	MP1C	X	30.04	3.33
71	MP1C	Z	-52.032	3.33
72	MP1C	Mx	019	3.33
73	MP4A	X	29.902	2.5
74	MP4A	Z	-51.792	2.5
75	MP4A	Mx	.01	2.5
76	MP4B	X	21.862	2.5
77	MP4B	Z	-37.866	2.5
78	MP4B	Mx	015	2.5
79	MP4C	X	28.153	2.5
80	MP4C	Z	-48.762	2.5
81	MP4C	Mx	.012	2.5
82	MP3A	X	28.904	2.5
33	MP3A	Z	-50.063	2.5
34	MP3A	Mx	.01	2.5
35	MP3B	Х	17.868	2.5
36	MP3B	Z	-30.948	2.5
37	MP3B	Mx	012	2.5
38	MP3C	X	26.503	2.5
39	MP3C	Z	-45.904	2.5
90	MP3C	Mx	.011	2.5
91	M100	X	46.371	1
92	M100	Z	-80.316	1

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
02	Member Laber	Mx	0	
93 94 95	M98	X	70.084	1
94	M98	7	-121.388	1
95	M98	Mx	0	10000
96	M108	X	16.64	6
97 98	M108	Z	-28.821	6
	M108	Mx	003	6
99	M108	X	16.64	6
100	M108	7	-28.821	6
101 102	M108	Mx	.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP3A	X	57.436	.33
2	MP3A	Z	-33.161	.33
3	MP3A	Mx	06	.33
4	MP3A	X	57.436	4.67
5	MP3A	Z	-33.161	4.67
6	MP3A	Mx	06	4.67
7	MP3B	X	57.436	.33
8	MP3B	Z	-33.161	.33
9	MP3B	Mx	.026	.33
10	MP3B	X	57.436	4.67
11	MP3B	Z	-33.161	4.67
12	MP3B	Mx	.026	4.67
13	MP3C	X	98.584	.33
14	MP3C	Z	-56.918	.33
15	MP3C	Mx	.041	.33
15	MP3C MP3C	X	98.584	4.67
	MP3C MP3C	Z	-56.918	4.67
17	MP3C	Mx	.041	4.67
18	MP3A	X	57.436	.33
19	MP3A	Z	-33.161	.33
20	MP3A	Mx	026	.33
21	MP3A MP3A	X	57.436	4.67
22		Z	-33.161	4.67
23	MP3A	Mx	026	4.67
24	MP3A	X	57.436	.33
25	MP3B	Z	-33.161	.33
26	MP3B	Mx	.06	.33
27	MP3B	X	57.436	4.67
28	MP3B	X	-33.161	4.67
29	MP3B		.06	4.67
30	MP3B	Mx	98.584	.33
31	MP3C	X	-56.918	.33
32	MP3C	Z	071	.33
33	MP3C	Mx	98.584	4.67
34	MP3C	X	-56.918	4.67
35	MP3C	Z	071	4.67
36	MP3C	Mx	125.842	.33
37	MP4A	X		.33
38	MP4A	Z	-72.655	.33
39	MP4A	Mx	126	4.67
40	MP4A	X	125.842	4.67
41	MP4A	Z	-72.655	4.67
42	MP4A	Mx	126	.33
43	MP4B	X	125.842	



July 19, 2023 3:04 PM Checked By:\_\_\_\_

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

44	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44 45	MP4B MP4B	Z	-72.655	.33
46	MP4B	Mx	.126	.33
47	MP4B MP4B	X	125.842	4.67
48		Z	-72.655	4.67
+0 19	MP4B	Mx	.126	4.67
50	MP4C	<u> </u>	166.333	.33
	MP4C	Z	-96.033	.33
51 52	MP4C	Mx	033	.33
53	MP4C	<u> </u>	166.333	4.67
	MP4C	Z	-96.033	4.67
54	MP4C	Mx	033	4.67
	MP1A	<u> </u>	36.273	1.33
56	MP1A	Z	-20.942	1.33
57	MP1A	Mx	018	1.33
58	MP1A	X	36.273	3.33
59	MP1A	Z	-20.942	3.33
60	MP1A	Mx	018	3.33
61	MP1B	X	36.273	1.33
62	MP1B	Z	-20.942	1.33
63	MP1B	Mx	.018	1.33
64	MP1B	X	36.273	3.33
65	MP1B	Z	-20.942	3.33
66	MP1B	Mx	.018	3.33
67	MP1C	X	69.952	1.33
68	MP1C	Z	-40.387	1.33
69	MP1C	Mx	007	1.33
70	MP1C	X	69.952	3.33
71	MP1C	Z	-40.387	3.33
72	MP1C	Mx	007	3.33
73	MP4A	X	42.508	2.5
74	MP4A	Z	-24.542	2.5
75	MP4A	Mx	.014	2.5
76	MP4B	X	42.508	2.5
77	MP4B	Z	-24.542	2.5
78	MP4B	Mx	014	2.5
79	MP4C	X	55.875	2.5
30	MP4C	Z	-32.259	2.5
31	MP4C	Mx	.004	2.5
32	MP3A	X	37.32	2.5
33	MP3A	Z	-21.547	2.5
34	MP3A	Mx	.012	2.5
35	MP3B	X	37.32	2.5
36	MP3B	Z	-21.547	2.5
37	MP3B	Mx	012	2.5
38	MP3C	X	55.666	2.5
39	MP3C	Z	-32.139	2.5
90	MP3C	Mx	.004	2.5
1	M100	X	94.007	1
2	M100	Z	-54.275	1
3	M100	Mx	0	1
94	M98	X	94.007	1
95	M98	Z	-54.275	1
6	M98	Mx	0	
97	M108	X	16.664	6
8	M108	Z	-9.621	6
9	M108	Mx	003	6
00	M108	X	16.664	0

1

[R:\...\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	M108	Z	-9.621	6
100	M108	Mx	.003	6
102	IVI TUO	IVIA .		

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP3A	X	49.82	.33
2	MP3A	<u>Z</u>	0	.33
3	MP3A	Mx	037	.33
4	MP3A	X	49.82	4.67
5	MP3A	Ζ	0	4.67
6	MP3A	Mx	037	4.67
7	MP3B	X	99.324	.33
8	MP3B	Z	0	.33
9	MP3B	Mx	006	.33
10	MP3B	X	99.324	4.67
11	MP3B	Z	0	4.67
12	MP3B	Mx	006	4.67
13	MP3C	X	108.104	.33
14	MP3C	Z	0	.33
15	MP3C	Mx	.079	.33
16	MP3C	X	108.104	4.67
17	MP3C	Z	0	4.67
18	MP3C	Mx	.079	4.67
19	MP3A	X	49.82	.33
20	MP3A	Z	0	.33
21	MP3A	Mx	037	.33 4.67
22	MP3A	X	49.82	
23	MP3A	Ζ	0	4.67
24	MP3A	M×	037	4.67
25	MP3B	X	99.324	.33
26	MP3B	Z	0	.33
27	MP3B	M×	.08	.33
28	MP3B	X	99.324	4.67
29	MP3B	Z	0	4.67
30	MP3B	Mx	.08	4.67
31	MP3C	X	108.104	.33
32	MP3C	Z	0	.33
33	MP3C	Mx	023	.33
34	MP3C	X	108.104	4.67
35	MP3C	Z	0	4.67
36	MP3C	Mx	023	4.67
37	MP4A	X	129.072	.33
38	MP4A	Z	0	.33
39	MP4A	Mx	129	.33
40	MP4A	X	129.072	4.67
41	MP4A	Z	0	4.67
42	MP4A	Mx	129	4.67
43	MP4B	X	177.786	.33
44	MP4B	Z	0	.33
45	MP4B	Mx	.089	.33
46	MP4B	X	177.786	4.67
47	MP4B	Z	0	4.67
48	MP4B	Mx	.089	4.67
49	MP4C	X	186.426	.33
49 50	MP4C	Z	0	.33
50	MP4C	Mx	.064	.33



July 19, 2023 3:04 PM Checked By:\_\_\_\_

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	186.426	4.67
53	MP4C	Z	0	4.67
54	MP4C	Mx	.064	4.67
55	MP1A	X	28.378	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	014	1.33
58	MP1A	X	28.378	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	014	3.33
61	MP1B	X	68.896	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	.017	1.33
64	MP1B	X	68.896	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	.017	3.33
67	MP1C	X	76.083	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	.013	1.33
70	MP1C	X	76.083	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	.013	3.33
73	MP4A	X	43.724	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	.015	2.5
76	MP4B	X	59.805	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	01	2.5
79	MP4C	X	62.657	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	007	2.5
82	MP3A	X	35.736	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	.012	2.5
85	MP3B	X	57.808	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	01	2.5
88	MP3C	X	61.722	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	007	2.5
91	M100	X	140.167	2.5
92	M100	Z	0	1
93	M100	Mx	0	1
94	M98		92.741	1
95	M98	Z	0	1
96	M98	Mx	0	
97	M108	X	12.223	16
98	M108	Z		
99	M108	Mx	002	6
00	M108	X		6
101	M108	Z	12.223	6
02	M108	Mx	.002	6
VL	IVITOO	IVIX	.002	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP3A	X	57,436	.33
2	MP3A	Z	33.161	.33

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



July 19, 2023 3:04 PM Checked By:\_

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP3A	Mx	026	.33
4	MP3A	X	57,436	4.67
5	MP3A	Z	33.161	4.67
6	MP3A	Mx	026	4.67
7	MP3B	X	100.308	.33
8	MP3B	Z	57.913	.33
9	MP3B	Mx	058	.33
10	MP3B	X	100.308	4.67
11	MP3B	Z	57.913	4.67
12	MP3B	Mx	058	4.67
13	MP3C	X	66.763	.33
14	MP3C	Z	38.546	.33
15	MP3C	Mx	.069	4.67
16	MP3C	X	66.763	4.67
17	MP3C	<u>Z</u>	38.546	4.67
18	MP3C	Mx	.069	.33
19	MP3A	<u>X</u>	57.436	.33
20	MP3A	Z	33.161	.33
21	MP3A	Mx	06	4.67
22	MP3A	X	33.161	4.67
23	MP3A	Ζ	06	4.67
24	MP3A	Mx	100.308	.33
25	MP3B	X	57.913	.33
26	MP3B	Z	.058	.33
27	MP3B	Mx	100.308	4.67
28	MP3B	X	57.913	4.67
29	MP3B	Z	.058	4.67
30	MP3B	Mx	66.763	.33
31	MP3C	X Z	38.546	.33
32	MP3C	Mx	.02	.33
33	MP3C	X	66.763	4.67
34	MP3C	Z	38.546	4.67
35	MP3C	Mx	.02	4.67
36	MP3C	X	125.842	.33
37	MP4A	Z	72.655	.33
38	MP4A	Mx	126	.33
39	MP4A	X	125.842	4.67
40	MP4A	Z	72.655	4.67
41	MP4A MP4A	Mx	126	4.67
42	MP4A MP4B	X	168.03	.33
43	MP4B	Z	97.012	.33
44	MP4B MP4B	Mx	0	.33
45	MP4B MP4B	X	168.03	4.67
46	MP4B MP4B	Z	97.012	4.67
47	MP4B MP4B	Mx	0	4.67
48	MP46 MP4C	X	135.021	.33
49	MP4C MP4C	Z	77.954	.33
50 -	MP4C MP4C	Mx	.119	.33
51	MP4C	X	135.021	4.67
52	MP4C MP4C	Z	77.954	4.67
53	MP4C MP4C	Mx	.119	4.67
54	MP4C MP1A	X	36.273	1.33
55	MP1A MP1A	Z	20.942	1.33
56	MP1A MP1A	Mx	018	1.33
57 58	MP1A	X	36.273	3.33
59	MP1A	Z	20.942	3.33

### Is (BLC 7 · Antenna Wo (120 Deg)) (Continued)



# <u>Member Point Loads (BLC 7 : Antenna Wo (120 Deg)) (Continued)</u>

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	018	3.33
61	MP1B	X	71.362	1.33
62	MP1B	Z	41.201	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	71.362	3.33
65	MP1B	Z	41.201	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	43.907	1.33
68	MP1C	Z	25.35	1.33
69	MP1C	Mx	.019	1.33
70	MP1C	X	43.907	3.33
71	MP1C	Z	25.35	3.33
72	MP1C	Mx	.019	3.33
73	MP4A	X	42.508	2.5
74	MP4A	Z	24.542	2.5
75	MP4A	Mx	.014	2.5
76	MP4B	X	56.435	2.5
77	MP4B	Z	32.583	2.5
78	MP4B	Mx	0	2.5
79	MP4C	X	45.538	2.5
80	MP4C	Z	26.291	2.5
81	MP4C	Mx	013	2.5
82	MP3A	X	37.32	2.5
83	MP3A	Z	21.547	2.5
84	MP3A	Mx	.012	2.5
85	MP3B	X	56.435	2.5
86	MP3B	Z	32.583	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	41.478	2.5
89	MP3C	Z	23.948	2.5
90	MP3C	Mx	012	2.5
91	M100	X	135.079	1
92	M100	Ž	77.988	
93	M100	Mx	0	1
94	M98	X	94.007	
95	M98	Z	54.275	1
96	M98	Mx	0	1
97	M108	X	16.664	6
98	M108	Z	9.621	6
99	M108	Mx	003	6
100	M108	X	16.664	6
101	M108	Z	9.621	6
102	M108	Mx	.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	49.662	.33
2	MP3A	Z	86.017	.33
3	MP3A	Mx	.006	.33
4	MP3A	X	49.662	4.67
5	MP3A	Z	86.017	4.67
6	MP3A	Mx	.006	4.67
7	MP3B	X	49.662	.33
8	MP3B	Z	86.017	.33
9	MP3B	Mx	08	.33
10	MP3B	X	49.662	4.67



	Member Label	: Antenna Wo (150 Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	Z	86.017	4.67
2	MP3B	Mx	08	4.67
3	MP3C	X	25.905	.33
4	MP3C	Z	44.869	.33
5	MP3C	Mx	.043	.33
6	MP3C	X	25.905	4.67
7	MP3C	Z	44.869	4.67
8	MP3C	Mx	.043	4.67
9	MP3A	X	49.662	.33
0	MP3A	Z	86.017	.33
1	MP3A	Mx	08	.33
2	MP3A	X	49.662	4.67
23	MP3A	Z	86.017	4.67
4	MP3A	Mx	08	4.67
5	MP3B	X	49.662	.33
26	MP3B	Z	86.017	.33
7	MP3B	Mx	.006	.33
8	MP3B	X	49.662	4.67
9	MP3B	Z	86.017	4.67
0	MP3B	Mx	.006	4.67
81	MP3C	X	25.905	.33
2	MP3C	Z	44.869	.33
33	MP3C	Mx	.034	.33
34	MP3C	X	25.905	4.67
35	MP3C	Z	44.869	4.67
36	MP3C	Mx	.034	4.67
37	MP4A	X	88.893	.33
38	MP4A	Z	153.967	.33
39	MP4A	Mx	089	.33
10	MP4A	X	88.893	4.67
11	MP4A	Z	153.967	4.67
12	MP4A	Mx	089	4.67
13	MP4B	X	88.893	.33
14	MP4B	Z	153.967	.33
15	MP4B	Mx	089	.33
16	MP4B	X	88.893	4.67
17	MP4B	Z	153.967	4.67
18	MP4B	Mx	089	4.67
19	MP4C	X	65.515	.33
50	MP4C	Z	113.476	.33
51	MP4C	Mx	.129	.33
52	MP4C	X	65.515	4.67
53	MP4C	Z	113.476	4.67
54	MP4C	Mx	.129	4.67
55	MP1A	X	34.448	1.33
56	MP1A	Z	59.666	1.33
57	MP1A	Mx	017	1.33
58	MP1A	X	34.448	3.33
59	MP1A	Z	59.666	3.33
50	MP1A	Mx	017	3.33
50 61	MP1B	X	34.448	1.33
62	MP1B	Z	59.666	1.33
63	MP1B	Mx	017	1.33
64	MP1B	X	34.448	3.33
65	MP1B	Z	59.666	3.33
55 66	MP1B	Mx	017	3.33
67	MP1C	X	15.004	1.33

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



July 19, 2023 3:04 PM Checked By:\_\_\_\_

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1C	Z	25.987	1.33
69	MP1C	Mx	.015	1.33
70	MP1C	X	15.004	3.33
71	MP1C	Z	25.987	3.33
72	MP1C	Mx	.015	3.33
73	MP4A	X	29.902	2.5
74	MP4A	Z	51.792	2.5
75	MP4A	Mx	.01	2.5
76	MP4B	X	29.902	2.5
77	MP4B	Z	51.792	2.5
78	MP4B	Mx	.01	2.5
79	MP4C	X	22.185	2.5
80	MP4C	Z	38.426	2.5
81	MP4C	Mx	015	2.5
82	MP3A	X	28.904	2.5
83	MP3A	7	50.063	2.5
84	MP3A	Mx	.01	2.5
85	MP3B	X	28.904	2.5
86	MP3B	Z	50.063	2.5
87	MP3B	Mx	.01	2.5
88	MP3C	X	18.312	2.5
89	MP3C	Z	31.717	2.5
90	MP3C	Mx	012	2.5
91	M100	X	70.084	2.0
92	M100	Z	121.388	1
93	M100	Mx	0	1
94	M98	X	70.084	
95	M98	Z	121.388	1
96	M98	Mx	0	
97	M108	X	16.64	6
98	M108	Z	28.821	6
99	M108	Mx	003	6
100	M108	X	16.64	6
101	M108	Z	28.821	6
102	M108	Mx	.003	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.33
2	MP3A	Z	115.826	.33
3	MP3A	Mx	.058	.33
4	MP3A	X	0	4.67
5	MP3A	Z	115.826	4.67
6	MP3A	Mx	.058	4.67
7	MP3B	X	0	.33
8	MP3B	Z	66.321	.33
9	MP3B	Mx	06	.33
10	MP3B	X	0	4.67
11	MP3B	Z	66.321	4.67
12	MP3B	Mx	06	4.67
13	MP3C	X	0	.33
14	MP3C	Z	57.541	.33
15	MP3C	Mx	.031	.33
16	MP3C	X	0	4.67
17	MP3C	Z	57.541	4.67
18	MP3C	Mx	.031	4.67



	Member Label	: Antenna Wo (180 Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP3A	X	0	.33
20	MP3A	Z	115.826	.33
1	MP3A	Mx	058	.33
2	MP3A	X	0	4.67
3	MP3A	Ζ	115.826	4.67
24	MP3A	M×	058	4.67
5	MP3B	X	0	.33
6	MP3B	Z	66.321	.33
7	MP3B	Mx	026	.33
8	MP3B	X	0	4.67
9	MP3B	<u>Z</u>	66.321	4.67
0	MP3B	Mx	026	4.67
1	MP3C	X	0	.33
2	MP3C	Z	57.541	.33
3	MP3C	Mx	.05	.33
4	MP3C	X	0	4.67
5	MP3C	Z	57.541	4.67
6	MP3C	Mx	.05	4.67
7	MP4A	X	0	.33
8	MP4A	Z	194.024	.33
9	MP4A	Mx	0	.33
-0	MP4A	X	0	4.67
1	MP4A	Z	194.024	4.67
2	MP4A	Mx	0	4.67
3	MP4B	X	0	.33
4	MP4B	Z	145.31	.33
5	MP4B	Mx	126	.33
6	MP4B	X	0	4.67
7	MP4B	Ζ	145.31	4.67
8	MP4B	Mx	126	4.67
19	MP4C	X	0	.33
50	MP4C	Z	136.67	.33
51	MP4C	Mx	.128	.33
52	MP4C	X	0	4.67
53	MP4C	Z	136.67	4.67
54	MP4C	Mx	.128	4.67
55	MP1A	X	0	1.33
56	MP1A	Z	82.402	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	82.402	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	41.884	1.33
53	MP1B	Mx	018	1.33
54	MP1B	X	0	3.33
55	MP1B	Z	41.884	3.33
56	MP1B	Mx	018	3.33
57	MP1C	X	0	1.33
58	MP1C	Z	34.698	1.33
59	MP1C	Mx	.016	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	34.698	3.33
72	MP1C	Mx	.016	3.33
73	MP4A	X	0	2.5
74	MP4A	Z	65.165	2.5
75	MP4A	Mx	0	2.5

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP4B	X	0	2.5
77	MP4B	Z	49.084	2.5
78	MP4B	Mx	.014	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	46.232	2.5
81	MP4C	Mx	014	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	65.165	2.5
84	MP3A	Mx	0	2.5
85	MP3B	X	0	2.5
86	MP3B	Z	43.093	2.5
87	MP3B	Mx	.012	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	39.178	2.5
90	MP3C	Mx	012	2.5
91	M100	X	0	1
92	M100	Z	108.55	1
93	M100	Mx	0	1
94	M98	X	0	1
95	M98	Z	155.976	1
96	M98	Mx	0	1
97	M108	X	0	6
98	M108	Z	40.298	6
99	M108	Mx	0	6
100	M108	X	0	6
101	M108	Z	40.298	6
102	M108	Mx	0	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-49.662	.33
2	MP3A	Z	86.017	.33
3	MP3A	Mx	.08	.33
4	MP3A	X	-49.662	4.67
5	MP3A	Z	86.017	4.67
6	MP3A	Mx	.08	4.67
7	MP3B	X	-24.91	.33
8	MP3B	Z	43.145	.33
9	MP3B	Mx	037	.33
10	MP3B	X	-24.91	4.67
11	MP3B	Z	43.145	4.67
12	MP3B	Mx	037	4.67
13	MP3C	X	-44.277	.33
14	MP3C	Z	76.69	.33
15	MP3C	Mx	.009	.33
16	MP3C	X	-44.277	4.67
17	MP3C	Z	76.69	4.67
18	MP3C	Mx	.009	4.67
19	MP3A	X	-49.662	.33
20	MP3A	Z	86.017	.33
21	МРЗА	Mx	006	.33
22	MP3A	X	-49.662	4.67
23	MP3A	Z	86.017	4.67
24	MP3A	Mx	006	4.67
25	MP3B	X	-24.91	.33
26	MP3B	Z	43.145	.33



	Point Loads (BLC 10 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP3B	Mx	037	.33
28	MP3B	X	-24.91	4.67
29	MP3B	Z	43.145	4.67
30	MP3B	Mx	037	4.67
31	MP3C	X	-44.277	.33
32	MP3C	Z	76.69	.33
33	MP3C	Mx	.077	.33
34	MP3C	X	-44.277	4.67
35	MP3C	Ζ	76.69	4.67
36	MP3C	Mx	.077	4.67
37	MP4A	X	-88.893	.33
38	MP4A	Z	153.967	.33
39	MP4A	Mx	.089	.33
40	MP4A	X	-88.893	4.67
41	MP4A	Z	153.967	4.67
42	MP4A	Mx	.089	4.67
43	MP4B	X	-64.536	.33
44	MP4B	Z	111.78	.33
45	MP4B	Mx	129	.33
46	MP4B	X	-64.536	4.67
47	MP4B	Z	111.78	4.67
48	MP4B	Mx	129	4.67
49	MP4C	X	-83.594	.33
50	MP4C	Z	144.788	.33
51	MP4C	Mx	.107	.33
52	MP4C	X	-83.594	4.67
53	MP4C	<u>Z</u>	144.788	4.67
54	MP4C	Mx	.107	4.67
55	MP1A	X	-34.448	1.33
56	MP1A	Z	59.666	1.33
57	MP1A	Mx	.017	1.33
58	MP1A	X	-34.448	3.33
59	MP1A	Z	59.666	3.33
60	MP1A	Mx	.017	3.33
61	MP1B	X	-14.189	1.33
62	MP1B	Z	24.576	1.33
63	MP1B	Mx	014	1.33
64	MP1B	X	-14.189	3.33
65	MP1B	Z	24.576	3.33
66	MP1B	Mx	014	3.33
67	MP1C	X	-30.04	1.33
68	MP1C	Z	52.032	1.33
69	MP1C	Mx	.019	1.33
70	MP1C	X	-30.04	3.33
71	MP1C	Z	52.032	3.33
72	MP1C	Mx	.019	3.33
73	MP4A	X	-29.902	2.5
73 74	MP4A	Z	51.792	2.5
75	MP4A	Mx	01	2.5
75 76	MP4B	X	-21.862	2.5
	MP4B MP4B	Z	37.866	2.5
77	MP4B MP4B	Mx	.015	2.5
78	MP4C	X	-28.153	2.5
79	MP4C MP4C	Z	48.762	2.5
80	MP4C MP4C	Mx	012	2.5
81	MP4C MP3A	X	-28.904	2.5
82 83	MP3A MP3A	Z	50.063	2.5

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



July 19, 2023 3:04 PM Checked By:\_\_\_

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04	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP3A	Mx	01	2.5
85	MP3B	X	-17.868	2.5
86	MP3B	Z	30.948	2.5
87	MP3B	Mx	.012	2.5
88	MP3C	X	-26.503	2.5
89	MP3C	Z	45,904	2.5
90	MP3C	Mx	011	2.5
91	M100	X	-46.371	1
92	M100	Z	80.316	1
93	M100	Mx	0	1
94	M98	X	-70.084	1
95	M98	Z	121.388	1
96	M98	Mx	0	1
97	M108	X	-16.64	6
98	M108	Z	28.821	6
99	M108	Mx	.003	6
100	M108	X	-16.64	6
101	M108	Z	28.821	6
102	M108	Mx	003	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-57.436	.33
2	MP3A	Z	33.161	.33
3	MP3A	Mx	.06	.33
4	MP3A	X	-57.436	4.67
5	MP3A	Z	33.161	4.67
6	MP3A	Mx	.06	4.67
7	MP3B	X	-57.436	.33
8	MP3B	Z	33.161	.33
9	MP3B	Mx	026	.33
10	MP3B	X	-57.436	4.67
11	MP3B	Z	33.161	4.67
12	MP3B	Mx	026	4.67
13	MP3C	X	-98.584	.33
14	MP3C	Z	56.918	.33
15	MP3C	Mx	041	.33
16	MP3C	X	-98.584	4.67
17	MP3C	Z	56.918	4.67
18	MP3C	Mx	041	4.67
19	MP3A	X	-57.436	.33
20	MP3A	Z	33.161	.33
21	MP3A	Mx	.026	.33
22	MP3A	X	-57.436	4.67
23	MP3A	Z	33.161	4.67
24	MP3A	Mx	.026	4.67
25	MP3B	X	-57,436	.33
26	MP3B	Z	33.161	.33
27	MP3B	Mx	06	.33
28	MP3B	X	-57.436	4.67
29	MP3B	Z	33.161	4.67
30	MP3B	Mx	06	4.67
31	MP3C	X	-98.584	.33
32	MP3C	Z	56.918	.33
33	MP3C	Mx	.071	.33
34	MP3C	X	-98.584	4.67

RISA-3D Version 17.0.4 [R:\...\..\..\..\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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	Member Label	1 : Antenna Wo (24) Direction	Magnitude[lb,k-ft]	Location[ft.%]
35	MP3C	Z	56.918	4.67
36	MP3C	Mx	.071	4.67
37	MP4A	X	-125.842	.33
88	MP4A	Z	72.655	.33
9	MP4A	Mx	.126	.33
0	MP4A	X	-125.842	4.67
1	MP4A	Z	72.655	4.67
2	MP4A	Mx	.126	4.67
3	MP4B	X	-125.842	.33
4	MP4B	Z	72.655	.33
5	MP4B	Mx	126	.33
6	MP4B	X	-125.842	4.67
17	MP4B	Z	72.655	4.67
8	MP4B	Mx	126	4.67
19	MP4C	X .	-166.333	.33
50	MP4C	Z	96.033	.33
51	MP4C	Mx	.033	.33
52	MP4C	X	-166.333	4.67
53	MP4C	Z	96.033	4.67
54	MP4C	Mx	.033	4.67
55	MP1A	X	-36.273	1.33
56	MP1A	Z	20.942	1.33
57	MP1A	Mx	.018	1.33
58	MP1A	X	-36.273	3.33
59	MP1A	Z	20.942	3.33
50	MP1A	Mx	.018	3.33
51	MP1B	X	-36.273	1.33
52	MP1B	Z	20.942	1.33
53	MP1B	Mx	018	1.33
64	MP1B	X	-36.273	3.33
65	MP1B	Z	20.942	3.33
56 56	MP1B	Mx	018	3.33
67	MP1C	X	-69.952	1.33
58	MP1C	Z	40.387	1.33
59	MP1C	Mx	.007	1.33
70	MP1C	X	-69.952	3.33
71	MP1C	Z	40.387	3.33
72	MP1C	Mx	.007	3.33
73	MP4A	X	-42.508	2.5
74	MP4A	Z	24.542	2.5
75	MP4A	Mx	014	2.5
76	MP4B	X	-42.508	2.5
77	MP4B	Z	24.542	2.5
78	MP4B	Mx	.014	2.5
79	MP4C	Χ	-55.875	2.5
30	MP4C	Z	32.259	2.5
	MP4C	Mx	004	2.5
31 32	MP4C MP3A	X	-37.32	2.5
	MP3A	Z	21.547	2.5
33	MP3A MP3A	Mx	012	2.5
84	MP3A MP3B	X	-37.32	2.5
85	MP3B MP3B	Z	21.547	2.5
86		Mx	.012	2.5
87	MP3B MP3C	X	-55.666	2.5
88		Z	32.139	2.5
89 90	MP3C MP3C	Mx	004	2.5
	MESU	IVIA	-94.007	1

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	M100	Z	54.275	1
93	M100	Mx	0	1
94	M98	X	-94.007	1
95	M98	Z	54.275	1
96	M98	Mx	0	1
97	M108	X	-16.664	6
98	M108	Z	9.621	6
99	M108	Mx	.003	6
100	M108	X	-16.664	6
101	M108	Z	9.621	6
102	M108	Mx	003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
. 1	MP3A	X	-49.82	.33
2	MP3A	Z	0	.33
3	MP3A	Mx	.037	.33
4	MP3A	X	-49.82	4.67
5	MP3A	Z	0	4.67
6	MP3A	Mx	.037	4.67
7	MP3B	X	-99.324	.33
8	MP3B	Z	0	.33
9	MP3B	Mx	.006	.33
10	MP3B	X	-99.324	4.67
11	MP3B	Z	0	4.67
12	MP3B	Mx	.006	4.67
13	MP3C	X	-108.104	.33
14	MP3C	Z	0	.33
15	MP3C	Mx	079	.33
16	MP3C	X	-108.104	4.67
17	MP3C	Z	0	4.67
18	MP3C	Mx	079	
19	MP3A	X	-49.82	4.67
20	MP3A	Z	-49.62	.33
21	MP3A	Mx	.037	
22	MP3A	X	-49.82	.33
23	MP3A	Z	-49.62	4.67
24	MP3A	Mx	.037	4.67
25	MP3B	X	-99.324	4.67
26	MP3B	Z		.33
27	MP3B	Mx	0	.33
28	MP3B		08	.33
29	MP3B	X Z	-99.324	4.67
30	MP3B		0	4.67
31	MP3D MP3C	Mx	08	4.67
32	MP3C MP3C	X	-108.104	
33		Z	0	.33
34	MP3C	Mx	.023	.33
34	MP3C	X	-108.104	4.67
	MP3C	Z	0	4.67
36	MP3C	Mx	.023	4.67
37	MP4A	X	-129.072	.33
38	MP4A	Z	0	.33
39	MP4A	Mx	.129	.33
40	MP4A	X	-129.072	4.67
41	MP4A	Z	0	4.67
42	MP4A	Mx	.129	4.67



	Point Loads (BLC 1. Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
43	MP4B	X	-177.786	.33
44	MP4B	Z	0	.33
45	MP4B	Mx	089	.33
46	MP4B	X	-177.786	4.67
47	MP4B	Z	0	4.67
48	MP4B	Mx	089	4.67
49	MP4C	X	-186.426	.33
50	MP4C	Z	0	.33
51	MP4C	Mx	064	.33
52	MP4C	X	-186.426	4.67
53	MP4C	Z	0	4.67
54	MP4C	Mx	064	4.67
55	MP1A	X	-28.378	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	.014	1.33
58	MP1A	X	-28.378	3.33
59	MP1A	Ζ	0	3.33
60	MP1A	Mx	.014	3.33
61	MP1B	X	-68.896	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	017	1.33
64	MP1B	X	-68.896	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	017	3.33
67	MP1C	X	-76.083	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	013	1.33
70	MP1C	X	-76.083	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	013	3.33
73	MP4A	X	-43.724	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	015	2.5
76	MP4B	X	-59.805	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	.01	2.5
79	MP4C	X	-62.657	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	.007	2.5
82	MP3A	X	-35.736	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	012	2.5
85	MP3B	X	-57.808	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	.01	2.5
88	MP3C	X	-61.722	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	.007	2.5
91	M100	X	-140.167	
92	M100	Z	0	1
93	M100	Mx	0	11
93	M98	X	-92.741	1
94 95	M98	Z	0	1
95	M98	Mx	0	1
96 97	M108	X	-12.223	6
97	M108	Z	0	6
98	M108	Mx	.002	6

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
100	M108	X	-12.223	6
101	M108	Z	0	6
102	M108	Mx	002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1 .	MP3A	X	-57.436	.33
2	MP3A	Z	-33.161	.33
3	MP3A	Mx	.026	.33
4	MP3A	X	-57.436	4.67
5	MP3A	Z	-33.161	4.67
6	MP3A	Mx	.026	4.67
7	MP3B	X	-100.308	.33
8	MP3B	Z	-57.913	.33
9	MP3B	Mx	.058	.33
10	MP3B	X	-100.308	4.67
11	MP3B	Z	-57.913	4.67
12	MP3B	Mx	.058	4.67
13	MP3C	X	-66.763	.33
14	MP3C	Z	-38.546	.33
15	MP3C	Mx	069	.33
16	MP3C	X	-66.763	4.67
17	MP3C	Z	-38.546	4.67
18	MP3C	Mx	069	4.67
19	MP3A	X	-57.436	.33
20	MP3A	Z	-33.161	.33
21	MP3A	Mx	.06	.33
22	MP3A	X	-57.436	4.67
23	MP3A	Z	-33.161	4.67
4	MP3A	Mx	.06	4.67
25	MP3B	X	-100.308	.33
26	MP3B	Z	-57.913	.33
27	MP3B	Mx	058	.33
28	MP3B	X	-100.308	4.67
9	MP3B	Z	-57.913	4.67
30	MP3B	Mx	058	4.67
1	MP3C	X	-66.763	
32	MP3C	Z		.33
3	MP3C	Mx	<u>-38.546</u> 02	.33
4	MP3C			.33
15	MP3C	X Z	-66.763	4.67
6	MP3C MP3C		-38.546	4.67
7	MP4A	<u>Mx</u>	02	4.67
88	MP4A MP4A	Z	-125.842	.33
9	MP4A MP4A		-72.655	.33
0		Mx	.126	.33
	MP4A	X	-125.842	4.67
1 2	MP4A	Z	-72.655	4.67
	MP4A	Mx	.126	4.67
3	MP4B	X	-168.03	.33
4	MP4B	Z	-97.012	.33
5	MP4B	Mx	0	.33
6	MP4B	X	-168.03	4.67
7	MP4B	Z	-97.012	4.67
8	MP4B	Mx	0	4.67
9	MP4C	X	-135.021	.33
50	MP4C	Z	-77.954	.33



	Member Label	3 : Antenna Wo (30) Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4C	Mx	119	.33
52	MP4C	X	-135.021	4.67
53	MP4C	Z	-77.954	4.67
54	MP4C	Mx	119	4.67
55	MP1A	X	-36.273	1.33
56	MP1A	Z	-20.942	1.33
57	MP1A	Mx	.018	1.33
58	MP1A	X	-36.273	3.33
59	MP1A	Z	-20.942	3.33
60	MP1A	Mx	.018	3.33
61	MP1B	X	-71.362	1.33
62	MP1B	Z	-41.201	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	-71.362	3.33
65	MP1B	Z	-41.201	3.33
66	MP1B	Mx	0	3.33
67	MP1D MP1C	X	-43.907	1.33
68	MP1C	Z	-25.35	1,33
69	MP1C	Mx	019	1.33
70	MP10 MP1C	X	-43.907	3.33
70	MP1C	Z	-25.35	3.33
	MP1C	Mx	019	3.33
72 73	MP4A	X	-42.508	2.5
	MP4A MP4A	Z	-24.542	2.5
74	MP4A MP4A	Mx	014	2.5
75	MP48	X	-56.435	2.5
76	MP4B MP4B	Z	-32.583	2.5
77	MP4B	Mx	0	2.5
78	MP4B MP4C	X	-45.538	2.5
79	MP4C MP4C	Z	-26.291	2.5
80	MP4C MP4C	Mx	.013	2.5
81		X	-37.32	2.5
82	MP3A	Z	-21.547	2.5
83	MP3A	Mx	012	2.5
84	MP3A MP3P	X	-56.435	2.5
85	MP3B MP3B	Z	-32.583	2.5
86	MP3B MP3B	Mx	0	2.5
87	MP3B MP3C	X	-41.478	2.5
88		Z	-23.948	2.5
89	MP3C	Mx	.012	2.5
90	MP3C	X	-135.079	1
91	M100	Z	-77.988	1
92	M100	Mx	0	1
93	M100	X	-94.007	1
94	M98	Z	-54.275	1
95	M98	Mx	0	1
96	M98	X	-16.664	6
97	M108	Z	-9.621	6
98	M108	Mx	.003	6
99	M108	X	-16.664	6
100	M108	Z	-9.621	6
101	M108 M108	Mx	003	6

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

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

	Mambarlabol	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	Member Label MP3A	X	-49.662	.33



July 19, 2023 3:04 PM Checked By:\_\_\_

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

2	Member Label MP3A	Direction	Magnitude[lb.k-ft]	Location[ft,%]
3	MP3A MP3A	Z	-86.017	.33
4		Mx	006	.33
5	MP3A MP3A	X	-49.662	4.67
6		<u>Z</u>	-86.017	4.67
7	MP3A	Mx	006	4.67
8	MP3B	X	-49.662	.33
	MP3B	Z	-86.017	.33
9	MP3B	Mx	.08	.33
10	MP3B	X	-49.662	4.67
11	MP3B	Z	-86.017	4.67
12	MP3B	Mx	.08	4.67
3	MP3C	X	-25.905	.33
4	MP3C	Z	-44.869	.33
5	MP3C	Mx	043	.33
6	MP3C	X	-25.905	4.67
7	MP3C	Z	-44.869	4.67
8	MP3C	Mx	043	4.67
9	MP3A	X	-49.662	.33
0	MP3A	Z	-86.017	.33
1	MP3A	Mx	.08	.33
2	MP3A	X	-49.662	4.67
3	MP3A	Z	-86.017	4.67
4	MP3A	Mx	.08	4.67
5	MP3B	X	-49.662	.33
6	MP3B	Z	-86.017	.33
7	MP3B	Mx	006	.33
8	MP3B	X	-49.662	4.67
9	MP3B	Z	-86.017	4.67
0	MP3B	Mx	006	4.67
1	MP3C	X	-25.905	.33
2	MP3C	Z	-44.869	.33
3	MP3C	Mx	034	.33
4	MP3C	X	-25.905	4.67
5	MP3C	Z	-44.869	4.67
6	MP3C	Mx	034	4.67
7	MP4A	X	-88.893	.33
8	MP4A	Z	-153.967	.33
9	MP4A	Mx	.089	.33
0	MP4A	X	-88.893	4.67
1	MP4A	Z	-153.967	4.67
2	MP4A	Mx	.089	4.67
3	MP4B	X	-88.893	.33
4	MP4B	Z	-153.967	.33
5	MP4B	Mx	.089	.33
6	MP4B	X	-88.893	4.67
7	MP4B	Ζ	-153.967	4.67
8	MP4B	Mx	.089	4.67
9	MP4C	X	-65.515	.33
	MP4C	Ζ	-113.476	.33
1	MP4C	Mx	129	.33
2	MP4C	X	-65.515	4.67
3	MP4C	Z	-113.476	4.67
4	MP4C	Mx	129	4.67
5	MP1A	X	-34.448	1.33
6	MP1A	Z	-59.666	1.33
7	MP1A	Mx	.017	1.33
8	MP1A	X	-34.448	3.33

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

Page 40



July 19, 2023 3:04 PM Checked By:\_\_\_\_

	Point Loads (BLC 1 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
59	MP1A	Z	-59.666	3.33
	MP1A MP1A	Mx	.017	3.33
60	MP18	X	-34.448	1.33
61	MP1B MP1B	Z	-59.666	1.33
62		Mx	.017	1.33
63	MP1B	X	-34.448	3.33
64	MP1B	Z	-59.666	3.33
65	MP1B	Mx	.017	3.33
66	MP1B	X	-15.004	1.33
67	MP1C	Z	-25.987	1.33
68	MP1C		015	1.33
69	MP1C	Mx	-15.004	3.33
70	MP1C	X	-25.987	3.33
71	MP1C	Z	015	3.33
72	MP1C	Mx	-29.902	2.5
73	MP4A	<u>X</u>		2.5
74	MP4A	Z	-51.792	2.5
75	MP4A	Mx	01	2.5
76	MP4B	X	-29.902	2.5
77	MP4B	Z	-51.792	2.5
78	MP4B	Mx	01	2.5
79	MP4C	X	-22.185	2.5
80	MP4C	Z	-38.426	
81	MP4C	Mx	.015	2.5
82	MP3A	X	-28.904	2.5
83	MP3A	Z	-50.063	2.5
84	MP3A	Mx	01	2.5
85	MP3B	X	-28.904	2.5
86	MP3B	Z	-50.063	2.5
87	MP3B	Mx	01	2.5
88	MP3C	X	-18.312	2.5
89	MP3C	Z	-31.717	2.5
90	MP3C	Mx	.012	2.5
91	M100	X	-70.084	11
92	M100	Z	-121.388	1
93	M100	Mx	0	1
93	M98	X	-70.084	1
	M98	Z	-121.388	1
95	M98	Mx	0	
96	M108	X	-16.64	6
97		Z	-28.821	6
98	M108	Mx	.003	6
99	M108	X	-16.64	6
100	M108	Z	-28.821	6
101	M108	Mx	003	6
102	M108	IVIX	.000	

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
4	MP3A	X	0	.33
1	MP3A	Z	-32.836	.33
2	MP3A	Mx	016	.33
1	MP3A	X	0	4.67
5	MP3A	Z	-32.836	4.67
6	MP3A	Mx	016	4.67
7	MP3B	X	0	.33
8	MP3B	Z	-25.193	.33
9	MP3B	Mx	.023	.33

Page 41



·	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
10	MP3B	X	0	4.67
11	MP3B	Z	-25.193	4.67
12	MP3B	Mx	.023	4.67
13	MP3C	X	0	.33
14	MP3C	Z	-23.837	.33
15	MP3C	Mx	013	.33
16	MP3C	X	0	4.67
17	MP3C	Z	-23.837	4.67
18	MP3C	Mx	013	4.67
19	MP3A	X	0	.33
20	MP3A	Z	-32.836	.33
21	MP3A	Mx	.016	.33
22	MP3A	X	0	4.67
23	MP3A	Z	-32.836	4.67
24	MP3A	Mx	.016	4.67
25	MP3B	X	0	.33
26	MP3B	Z	-25.193	.33
27	MP3B	Mx	.01	.33
28	MP3B	X	0	4.67
29	MP3B	Z	-25.193	4.67
30	MP3B	Mx	.01	4.67
31	MP3C	X	0	.33
32	MP3C	Z	-23.837	.33
33	MP3C	Mx	021	.33
34	MP3C	X	0	
35	MP3C	Z	-23.837	4.67
36	MP3C	Mx	021	4.67
37	MP4A	X	0	
38	MP4A	Z	-37.063	.33
39	MP4A	Mx	0	.33
40	MP4A	X	0	.33
41	MP4A	Z	-37.063	4.67
42	MP4A	Mx	0	4.67
43	MP4B	X	0	4.67
44	MP4B	Z	-28.467	.33
45	MP4B	Mx	.025	.33
46	MP4B	X	0	.33
47	MP4B	Z	-28.467	4.67
48	MP4B	Mx	.025	4.67
49	MP4C	X	0	4.67
50	MP4C	Z	-26.942	.33
51	MP4C	Mx		.33
52	MP4C	X	025	.33
53	MP4C	Z		4.67
54	MP4C	<u>Mx</u>	-26.942	4.67
55	MP1A		025	4.67
56	MP1A MP1A	Z	0	1.33
57	MP1A MP1A	Mx	-19.375	1.33
58	MP1A MP1A		0	1.33
59	MP1A		0	3.33
50	MP1A MP1A	Z	-19.375	3.33
50 51		Mx	0	3.33
52	MP1B MP1P	X	0	1.33
52 53	MP1B	Z	-11.033	1.33
53 54	MP1B MP1P	Mx	.005	1.33
65	MP1B MP1P	X	0	3.33
55 66	MP1B	Z	-11.033	3.33
JU	MP1B	Mx	.005	3.33

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

RISA-3D Version 17.0.4 [R:\...\..\..\..\..\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



July 19, 2023 3:04 PM Checked By:\_\_\_\_

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	0	1.33
68	MP1C	Z	-9.554	1.33
69	MP1C	Mx	004	1.33
70	MP1C	X	0	3.33
70	MP1C	Z	-9.554	3.33
72	MP1C	Mx	004	3.33
73	MP4A	X	0	2.5
73	MP4A	Z	-16.329	2.5
75	MP4A MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B MP4B	Z	-12.601	2.5
78	MP4B	Mx	004	2.5
	MP4C	X	0	2.5
79	MP4C	Z	-11.939	2.5
80	MP4C	Mx	.004	2.5
81	MP3A	X	0	2.5
82	MP3A	Z	-16.329	2.5
83	MP3A MP3A	Mx	0	2.5
84	MP3B	X	0	2.5
85	MP3B MP3B	Ž	-11.184	2.5
86	MP3B	Mx	003	2.5
87	MP3D MP3C	X	0	2.5
88		Z	-10.271	2.5
89	MP3C	Mx	.003	2.5
90	MP3C	X	0	1
91	M100	Z	-22.114	1
92	M100	Mx	0	1
93	M100	X	0	1
94	M98	Z	-30.75	1
95	M98	Mx	0	1
96	M98	X	0	6
97	M108	Z	-8.96	6
98	M108		0	6
99	M108	Mx X	0	6
100	M108	Z	-8.96	6
101	M108		-8:50	6
102	M108	Mx	<u>v</u>	

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
4	MP3A	X	15.144	.33
1	MP3A	Z	-26.231	.33
2 3	MP3A	Mx	024	.33
4	MP3A	X	15.144	4.67
5	MP3A	Z	-26.231	4.67
6	MP3A	Mx	024	4.67
7	MP3B	X	11.323	.33
8	MP3B	Z	-19.611	.33
9	MP3B	Mx	.017	.33
10	MP3B	X	11.323	4.67
11	MP3B	Z	-19.611	4.67
12	MP3B	Mx	.017	4.67
13	MP3C	X	14.313	.33
14	MP3C	Z	-24.791	.33
15	MP3C	Mx	003	.33
16	MP3C	X	14.313	4.67
17	MP3C	Z	-24.791	4.67



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	003	4.67
19	MP3A	X	15.144	.33
20	MP3A	Z	-26.231	.33
21	MP3A	Mx	.002	.33
22	MP3A	X	15.144	4.67
23	MP3A	Z	-26.231	4.67
24	MP3A	Mx	.002	4.67
25	MP3B	X	11.323	.33
26	MP3B	Z	-19.611	.33
27	MP3B	Mx	.017	.33
28	MP3B	X	11.323	4.67
29	MP3B	Z	-19.611	4.67
30	MP3B	Mx	.017	4.67
31	MP3C	X	14.313	.33
32	MP3C	Z	-24.791	.33
33	MP3C	Mx	025	.33
34	MP3C	X	14.313	4.67
35	MP3C	Z	-24.791	4.67
36	MP3C	Mx	025	4.67
37	MP4A	X	17.099	.33
38	MP4A	Z	-29.616	.33
39	MP4A	Mx	017	.33
40	MP4A	X	17.099	4.67
41	MP4A	Z	-29.616	4.67
42	MP4A	Mx	017	4.67
43	MP4B	X	12.801	.33
44	MP4B	Z	-22.172	.33
45	MP4B	Mx	.026	.33
46	MP4B	X	12.801	4.67
47	MP4B	Z	-22.172	4.67
48	MP4B	Mx	.026	4.67
49	MP4C	X	16.164	.33
50	MP4C	Z	-27.996	.33
51	MP4C	Mx	021	.33
52	MP4C	X	16.164	4.67
53	MP4C	Z	-27.996	4.67
54	MP4C	Mx	021	4.67
55	MP1A	Z	8.297	1.33
56	MP1A	Z	-14.371	1.33
57	MP1A	Mx	004	1.33
58	MP1A	X	8.297	3.33
59	MP1A	Z	-14.371	3.33
50	MP1A	Mx	004	3.33
51	MP1B	X	4.126	1.33
62	MP1B	Ζ	-7.147	1.33
53	MP1B	Mx	.004	1.33
64	MP1B	X	4.126	3.33
55	MP1B	Z	-7.147	3.33
6	MP1B	Mx	.004	3.33
57	MP1C	X	7.39	1.33
68	MP1C	Z	-12.799	1.33
39	MP1C	Mx	005	1.33
70	MP1C	X	7.39	3.33
1	MP1C	Z	-12.799	3.33
72	MP1C	Mx	005	3.33
73	MP4A	X	7.543	2.5
74	MP4A	Z	-13.065	2.5

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
75	MP4A	Mx	.003	2.5
76	MP4B	X	5.679	2.5
77	MP4B	Z	-9.836	2.5
78	MP4B	Mx	004	2.5
79	MP4C	X	7.137	2.5
80	MP4C	Z	-12.362	2.5
81	MP4C	Mx	.003	2.5
82	MP3A	X	7.307	2.5
83	MP3A	Z	-12.656	2.5
	MP3A	Mx	.002	2.5
84	MP3B	X	4.734	2.5
85	MP3B	7	-8.2	2.5
86	MP3B	Mx	003	2.5
87	MP3C	X	6.747	2.5
88	MP3C	Z	-11.686	2.5
89	MP3C MP3C	Mx	.003	2.5
90	M100	X	9.617	1
91	M100	Z	-16.658	1
92	M100	Mx	0	1
93	M98	X	13.936	1
94	M98	7	-24.137	1
95	M98	Mx	0	1
96		X	3.782	6
97	M108	Z	-6.55	6
98	M108	Mx	00063	6
99	M108	X	3.782	6
100	M108	Z	-6.55	6
101	M108	Mx	.00063	6
102	M108	IVIA		

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

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

Momb	er Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
	P3A	X	21.818	.33
	P3A	Z	-12.597	.33
3 M	P3A	Mx	023	.33
	P3A	X	21.818	4.67
the second se	P3A	Z	-12.597	4.67
	P3A	Mx	023	4.67
And and a state of the state of	P3B	X	21.818	.33
	P3B	Z	-12.597	.33
the second	P3B	Mx	.01	.33
and the second se	P3B	X	21.818	4.67
	P3B	Z	-12.597	4.67
the second se	P3B	Mx	.01	4.67
	P3C	X	28,171	.33
the second se	P3C	Z	-16.265	.33
and the second division of the second divisio	P3C	Mx	.012	.33
		X	28.171	4.67
	P3C	Z	-16.265	4.67
the second s	Statut of the second se	Mx	.012	4.67
Contractory of Contra	P3C	X	21.818	.33
	P3A	Z	-12.597	.33
the second design of the secon	P3A	Mx	01	.33
	P3A	X	21.818	4.67
	P3A	Z	-12.597	4.67
and the second se	P3A		01	4.67
	P3A	Mx X	21.818	.33
25 M	P3B	^	21.010	1



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

26	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26 27	MP3B	Z	-12.597	.33
27	MP3B	Mx	.023	.33
28	MP3B MP3P	X 7	21.818	4.67
30	MP3B	Z	-12.597	4.67
30	MP3B MP3C	Mx	.023	4.67
31	MP3C	X	28.171	.33
33	MP3C	Z	-16.265	.33
33	MP3C	Mx	02	.33
34 35	MP3C	X	28.171	4.67
36	MP3C MP3C	Z	-16.265	4.67
37	MP3C MP4A	Mx	02	4.67
38	MP4A MP4A	X 7	24.653	.33
39	MP4A MP4A	Z	-14.233	.33
0	MP4A MP4A	Mx	025	.33
.1	MP4A MP4A	X	24.653	4.67
2	MP4A MP4A	Z	-14.233	4.67
3	MP4A MP4B	Mx	025	4.67
4	MP4B	Z	24.653	.33
5	MP4B	Mx	-14.233	.33
6	MP4B	X	.025	.33
7	MP4B	Z	24.653	4.67
8	MP4B	Mx	-14.233 .025	4.67
9	MP4D MP4C	X	31.798	4.67
ŏ	MP4C	Z	-18.359	.33
1	MP4C	Mx	006	.33
2	MP4C	X	31.798	.33
3	MP4C	Z	-18.359	4.67
4	MP4C	Mx	006	4.67
5	MP1A	X	9.555	4.67
6	MP1A	Z	-5.517	1.33
7	MP1A	Mx	005	1.33
8	MP1A	X	9.555	3.33
9	MP1A	Z	-5.517	3.33
0	MP1A	Mx	005	3.33
1	MP1B	X	9.555	1.33
2	MP1B	Z	-5.517	1.33
3	MP1B	Mx	.005	1.33
4	MP1B	X	9.555	3.33
5	MP1B	Z	-5.517	3.33
6	MP1B	Mx	.005	3.33
7	MP1C	X	16.489	1.33
8	MP1C	Z	-9.52	1.33
9	MP1C	Mx	002	1.33
ם   מ	MP1C	X	16.489	3.33
1	MP1C	Z	-9.52	3.33
2	MP1C	Mx	002	3.33
3	MP4A	X	10.912	2.5
4	MP4A	Z	-6.3	2.5
5	MP4A	Mx	.004	2.5
6	MP4B	X	10.912	2.5
7	MP4B	Z	-6.3	2.5
8	MP4B	Mx	004	2.5
9	MP4C	X	14.011	2.5
2	MP4C	Z	-8.089	2.5
1	MP4C	Mx	.000936	2.5
2	MP3A	X	9.685	2.5

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3A	Z	-5.592	2.5
84	MP3A	Mx	.003	2.5
85	MP3B	X	9.685	2.5
86	MP3B	Z	-5.592	2.5
87	MP3B	Mx	003	2.5
88	MP3C	X	13.962	2.5
89	MP3C	Z	-8.061	2.5
90	MP3C	Mx	.000933	2.5
91	M100	X	19.151	1
92	M100	Z	-11.057	1
93	M100	Mx	0	1
94	M98	X	19.151	1
95	M98	Z	-11.057	11
96	M98	Mx	0	1
97	M108	X	4.132	6
98	M108	Z	-2.385	6
99	M108	Mx	000689	6
100	M108	X	4.132	6
101	M108	Z	-2.385	6
102	M108	Mx	.000689	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	22.645	.33
2	MP3A	Z	0	.33
3	MP3A	Mx	017	.33
4	MP3A	X	22.645	4.67
5	MP3A	Z	0	4.67
6	MP3A	Mx	017	4.67
7	MP3B	X	30.289	.33
8	MP3B	Z	0	.33
9	MP3B	Mx	002	.33
10	MP3B	X	30.289	4.67
11	MP3B	Z	0	4.67
12	MP3B	Mx	002	4.67
13	MP3C	X	31.644	.33
14	MP3C	Z	0	.33
15	MP3C	Mx	.023	.33
16	MP3C	X	31.644	4.67
17	MP3C	Z	0	4.67
18	MP3C	Mx	.023	4.67
19	MP3A	X	22.645	.33
20	MP3A	Z	0	.33
21	MP3A	Mx	017	.33
22	MP3A	X	22.645	4.67
23	MP3A	Z	0	4.67
23	MP3A	Mx	017	4.67
25	MP3B	X	30.289	.33
26	MP3B	Z	0	.33
20	MP3B	Mx	.024	.33
28	MP3B	X	30.289	4.67
29	MP3B	7	0	4.67
30	MP3B	Mx	.024	4.67
30	MP3C	X	31.644	.33
32	MP3C	Z	0	.33
33	MP3C MP3C	Mx	007	.33



58

59

60

61

MP1A

MP1A

MP1A

MP1B

Location[ft.%]

3.33

3.33

3.33

1.33

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.
34	MP3C	X	31.644	4.67
35	MP3C	Z	0	4.67
36	MP3C	Mx	007	4.67
37	MP4A	X	25.602	.33
38	MP4A	Z	0	.33
39	MP4A	Mx	026	.33
40	MP4A	X	25.602	4.67
41	MP4A	Z	0	4.67
42	MP4A	Mx	026	4.67
43	MP4B	X	34.198	.33
44	MP4B	Z	0	.33
45	MP4B	Mx	.017	.33
46	MP4B	X	34.198	4.67
47	MP4B	Z	0	4.67
48	MP4B	Mx	.017	4.67
49	MP4C	X	35.722	.33
50	MP4C	Z	0	.33
51	MP4C	Mx	.012	.33
52	MP4C	X	35.722	4.67
53	MP4C	Z	0	4.67
54	MP4C	Mx	.012	4.67
55	MP1A	X	8.252	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	004	1.33
58	MP1A	Y	0.050	2.00

X

Ζ

Mx

X

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

62	MP1B	Z	0	1.33
63	MP1B	Mx	.004	1.33
64	MP1B	X	16.594	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	.004	3.33
67	MP1C	X	18.074	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	.003	1.33
70	MP1C	×	18.074	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	.003	3.33
73	MP4A	X	11.358	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	.004	2.5
76	MP4B	X	15.086	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	003	2.5
79	MP4C	X	15.747	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	002	2.5
82	MP3A	X	9.469	2.5
83	MP3A	Z	0	2.5
84	МРЗА	Mx	.003	2.5
85	MP3B	X	14.614	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	002	2.5
88	MP3C	X	15.526	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	002	2.5

8.252

0

-.004

16.594

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	M100	X	27.871	1
92	M100	Z	0	
93	M100	Mx	0	1
94	M98	X	19.235	1
95	M98	Z	0	1
96	M98	Mx	0	1
97	M108	X	3.375	6
98	M108	Z	0	6
99	M108	Mx	000562	6
100	M108	X	3.375	6
101	M108	Z	0	6
102	M108	Mx	.000562	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	21.818	.33
2	MP3A	Z	12.597	.33
3	MP3A	Mx	01	.33
4	MP3A	X	21.818	4.67
5	MP3A	Z	12.597	4.67
6	MP3A	Mx	01	4.67
7	MP3B	X	28.437	.33
8	MP3B	Z	16.418	.33
9	MP3B	Mx	016	.33
10	MP3B	X	28.437	4.67
11	MP3B	Z	16.418	4.67
12	MP3B	Mx	016	4.67
13	MP3C	X	23.258	.33
14	MP3C	Z	13.428	.33
15	MP3C	Mx	.024	.33
16	MP3C	X	23.258	4.67
17	MP3C	Z	13.428	4.67
18	MP3C	Mx	.024	4.67
19	MP3A	X	21.818	.33
20	MP3A	Z	12.597	.33
	MP3A	Mx	023	.33
21	MP3A MP3A	X	21.818	4.67
22	MP3A	Z	12.597	4.67
23	MP3A MP3A	Mx	023	4.67
24		X	28.437	.33
25	MP3B	Z	16.418	.33
26	MP3B	Mx	.016	.33
27	MP3B		28.437	4.67
28	MP3B	Z	16.418	4.67
29	MP3B	Mx	.016	4.67
30	MP3B		23.258	.33
31	MP3C	Z	13.428	.33
32	MP3C		.007	.33
33	MP3C	Mx	23.258	4.67
34	MP3C	X	13.428	4.67
35	MP3C	Z	.007	4.67
36	MP3C	Mx	24.653	.33
37	MP4A	X		.33
38	MP4A	Z	14.233	.33
39	MP4A	Mx	025	4.67
40	MP4A	X	24.653	4.67
41	MP4A	Z	14.233	4.07



July 19, 2023 3:04 PM Checked By:\_\_\_

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP4A	Mx	025	4.67
43	MP4B	X	32.097	.33
44	MP4B	Z	18.531	.33
15	MP4B	Mx	0	.33
6	MP4B	X	32.097	4.67
7	MP4B	Z	18.531	4.67
18	MP4B	Mx	0	4.67
19	MP4C	X	26.273	.33
50	MP4C	Z	15.169	.33
51	MP4C	Mx	.023	.33
2	MP4C	X	26.273	4.67
53	MP4C	Z	15.169	4.67
4	MP4C	Mx	.023	4.67
5	MP1A	X	9.555	1.33
6	MP1A	Z	5.517	1.33
7	MP1A	Mx	005	1.33
8	MP1A	X	9.555	3.33
9	MP1A	Z	5.517	3.33
0	MP1A	Mx	005	3.33
1	MP1B	X	16.779	1.33
2	MP1B	Z	9.688	1.33
3	MP1B	Mx	0	1.33
64	MP1B	X	16.779	3.33
65	MP1B	Z	9.688	3.33
6	MP1B	Mx	0	3.33
7	MP1C	X	11.127	1.33
8	MP1C	Z	6.424	1.33
69	MP1C	Mx	.005	1.33
70	MP1C	X	11.127	3.33
71	MP1C	Z	6.424	3.33
72	MP1C	Mx	.005	
73	MP4A	X	10.912	3.33
74	MP4A	Z	6.3	2.5
75	MP4A	Mx	.004	2.5
76	MP4B	X	14.141	2.5
77	MP4B	Z	8.164	2.5
8	MP4B	Mx		2.5
79	MP4C	X	0 11.615	2.5
30	MP4C	Z		2.5
31	MP4C	Mx	6.706	2.5
32	MP4C MP3A	X	003	2.5
3	MP3A MP3A	Z	9.685	2.5
4			5.592	2.5
5	MP3A MP3B	Mx X	.003	2.5
6	MP3B	Z	14.141	2.5
57 17	MP3B		8.164	2.5
8	MP3D MP3C	Mx	0	2.5
9	MP3C MP3C	Z	10.655	2.5
0	MP3C MP3C		6.152	2.5
1		Mx	003	2.5
	M100	Z	26.63	1
2	M100		15.375	1
3	M100	Mx	0	1
4	M98	<u>X</u>	19.151	
5	M98	Z	11.057	11
6	M98	Mx	0	1
7	M108	X	4.132	6
8	M108	Z	2.385	6

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

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

<b>IRISA</b>	Company Designer Job Number	July 19, 2023 3:04 PM Checked By:
L MEMETER MER COMPANY	Model Name	

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

	a provincial sector and the local	Direction	Magnitude[lb.k-ft]	Location[ft,%]
	Member Label M108	Mx	000689	6
99	M108	X	4.132	6
100 101	M108	7	2.385	6
101	M108	Mx	.000689	6

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

Membe	r Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1 MP		X	15.144	.33
2 MP		Z	26.231	.33
3 MP		Mx	.002	.33
4 MP		X	15.144	4.67
5 MP		Z	26.231	4.67
6 MP		Mx	.002	4.67
7 MP		X	15.144	.33
8 MP		Z	26.231	.33
9 MP		Mx	024	.33
10 MP		X	15.144	4.67
10 MP		Z	26.231	4.67
12 MP		Mx	024	4.67
13 MP		X	11.476	.33
14 MP		Z	19.878	.33
15 MP		Mx	.019	.33
16 MP		X	11.476	4.67
the second		Z	19.878	4.67
		Mx	.019	4.67
18 MP 19 MF		X	15.144	.33
	3A	Z	26.231	.33
	23A	Mx	024	.33
	23A	X	15.144	4.67
	23A	7	26,231	4.67
		Mx	024	4.67
	23A	X	15.144	.33
	23B	Z	26.231	.33
	23B	Mx	.002	.33
	<u>23B</u>	X	15.144	4.67
	23B	Z	26.231	4.67
	23B	Mx	.002	4.67
	23B	X	11.476	.33
	2 <u>3C</u>	Z	19.878	.33
C. C	<u>23C</u>		.015	.33
	23C	Mx	11.476	4.67
and the second s	2 <u>3C</u>	X	19.878	4.67
	23C		.015	4.67
	23C	Mx	17.099	.33
and a second s	P4A	Z	29.616	.33
	P4A		017	.33
	P4A	Mx	17.099	4.67
a second s	P4A	X	29.616	4.67
	P4A	<u>Z</u>		4.67
	24A	Mx	017 17.099	.33
43 MF	P4B	X		.33
44 MF	P4B	Z	29.616	.33
45 MF	24B	Mx	017	4.67
46 MF	P4B	X	17.099	4.67
47 MF	24B	Ζ	29.616	4.67
	24B	Mx	017	.33
	P4C	X	12.974	

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



July 19, 2023 3:04 PM Checked By:\_\_\_

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

50	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4C MP4C	Z	22.471	.33
52		Mx	.026	.33
53	MP4C	X	12.974	4.67
53 54	MP4C	Z	22.471	4.67
	MP4C	Mx	.026	4.67
55	MP1A	Z	8.297	1.33
56	MP1A		14.371	1.33
57	MP1A	Mx	004	1.33
58	MP1A	X	8.297	3.33
59	MP1A	Z	14.371	3.33
60	MP1A	Mx	004	3.33
61	MP1B	X	8.297	1.33
62	MP1B	Z	14.371	1.33
63	MP1B	Mx	004	1.33
64	MP1B	X	8.297	3.33
65	MP1B	Z	14.371	3.33
6	MP1B	Mx	004	3.33
67	MP1C	X	4.294	1.33
38	MP1C	Z	7.437	1.33
<u>i9</u>	MP1C	Mx	.004	1.33
70	MP1C	X	4.294	3.33
1	MP1C	Z	7.437	3.33
2	MP1C	Mx	.004	3.33
3	MP4A	X	7.543	2.5
74	MP4A	Z	13.065	2.5
75	MP4A	Mx	.003	2.5
6	MP4B	X	7.543	
7	MP4B	Z	13.065	2.5
8	MP4B	Mx	.003	2.5
'9	MP4C	X	5.754	2.5
0	MP4C	Z	9.966	2.5
1	MP4C	Mx		2.5
2	MP3A	X	004	2.5
3	MP3A	Z	7.307	2.5
4	MP3A		12.656	2.5
5	MP3B	Mx X	.002	2.5
6	MP3B	Z	7.307	2.5
7	MP3B		12.656	2.5
8	MP3C	Mx	.002	2.5
9	MP3C	Z	4.838	2.5
0	MP3C MP3C		8.379	2.5
1	M100	Mx	003	2.5
2		X	13.936	1
	M100	Z	24.137	1
3 4	M100	Mx	0	1
	M98	<u>X</u>	13.936	1
5	M98	Z	24.137	1
6	M98	Mx	0	1
7	M108	X	3.782	6
8	M108	Z	6.55	6
9	M108	Mx	00063	6
00	M108	X	3.782	6
)1	M108	Z	6.55	6
)2	M108	Mx	.00063	6

# <u>Member Point Loads (BLC 21 : Antenna Wi (180 Deg))</u>

Member Label Direction

Magnitude[lb,k-ft]

Location[ft,%]



	Point Loads (BLC 21 Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	0	.33
2	MP3A	Z	32.836	.33
3	MP3A	Mx	.016	.33
4	MP3A	X	0	4.67
5	MP3A	Z	32.836	4.67
6	MP3A	M×	.016	4.67
7	MP3B	X	0	.33
8	MP3B	Z	25.193	.33
9	MP3B	M×	023	.33
0	MP3B	X	0	4.67
1	MP3B	Z	25.193	4.67
2	MP3B	Mx	023	4.67
3	MP3C	X	0	.33
4	MP3C	Z	23.837	.33
5	MP3C	Mx	.013	.33
6	MP3C	X	0	4.67
7	MP3C	Z	23.837	4.67
8	MP3C	Mx	.013	4.67
9	MP3A	X	0	.33
20	MP3A	Z	32.836	.33
1	MP3A	Mx	016	.33
2	MP3A	X	0	4.67
23	MP3A	Z	32.836	4.67
24	MP3A	Mx	016	4.67
25	MP3B	X	0	.33
26	MP3B	Z	25.193	.33
27	MP3B	Mx	01	.33
28	MP3B	X	0	4.67
9	MP3B	Z	25.193	4.67
30	MP3B	Mx	01	4.67
31	MP3C	X	0	.33
32	MP3C	Z	23.837	.33
33	MP3C	Mx	.021	.33
34	MP3C	X	0	4.67
35	MP3C	Z	23.837	4.67
36	MP3C	Mx	.021	4.67
37	MP4A	X	0	.33
38	MP4A	Z	37.063	.33
39	MP4A	Mx	0	.33
10	MP4A	X	0	4.67
11	MP4A	Z	37.063	4.67
12	MP4A	Mx	0	4.67
13	MP4B	X	0	.33
4	MP4B	Z	28.467	.33
15	MP4B	Mx	025	.33
46	MP4B	X	0	4.67
47	MP4B	Z	28.467	4.67
18	MP4B	Mx	025	4.67
49	MP4C	X	0	.33
50	MP4C	Z	26.942	.33
51	MP4C	Mx	.025	.33
52	MP4C	X	0	4.67
53	MP4C	Z	26.942	4.67
54	MP4C	Mx	.025	4.67
55	MP40 MP1A	X	0	1.33
56	MP1A	Z	19.375	1.33
57	MP1A	Mx	0	1.33

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1A	Z	0	3.33
59	MP1A	Z	19.375	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	11.033	1.33
63	MP1B	Mx	005	1.33
64	MP1B	X	0	3.33
65	MP1B	Z	11.033	3.33
66	MP1B	Mx	005	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	9.554	1.33
69	MP1C	Mx	.004	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	9.554	3.33
72	MP1C	Mx	.004	3.33
73	MP4A	X	0	
74	MP4A	Z	16.329	2.5
75	MP4A	Mx		
76	MP4B	X	0	2.5
77	MP4B	Z	12.601	2.5
78	MP4B	Mx		2.5
79	MP4C	X	.004	2.5
80	MP4C	Ż	0	2.5
81	MP4C MP4C		11.939	2.5
82	MP4C MP3A	Mx	004	2.5
83	MP3A	X	0	2.5
84	MP3A MP3A	Z	16.329	2.5
85		Mx	0	2.5
86	MP3B	X	0	2.5
87	MP3B	Z	11.184	2.5
	MP3B	Mx	.003	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	10.271	2.5
90	MP3C	Mx	003	2.5
91	M100	X	0	1
92	M100	Z	22.114	1
93	M100	Mx	0	1
94	M98	X	0	1
95	M98	Z	30.75	1
96	M98	Mx	0	1
97	M108	X	0	6
98	M108	Z	8.96	6
99	M108	Mx	0	6
00	M108	X	0	6
01	M108	Z	8.96	6
102	M108	Mx	0	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-15.144	.33
2	MP3A	Z	26.231	.33
3	MP3A	Mx	.024	.33
4	MP3A	X	-15.144	4,67
5	MP3A	Z	26.231	4.67
6	MP3A	Mx	.024	4.67
7	MP3B	X	-11.323	.33
8	MP3B	Z	19.611	.33



July 19, 2023 3:04 PM Checked By:\_\_

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
9	MP3B	Mx	017	.33
0	MP3B	X	-11.323	4.67
1	MP3B	Z	19.611	4.67
2	MP3B	Mx	017	4.67
3	MP3C	X	-14.313	.33
4	MP3C	Z	24.791	.33
5	MP3C	Mx	.003	.33
6	MP3C	X	-14.313	4.67
7	MP3C	Z	24.791	4.67
8	MP3C	Mx	.003	4.67
9	MP3A	X	-15.144	.33
0	MP3A	Z	26.231	.33
	MP3A	Mx	002	.33
1	MP3A	X	-15.144	4.67
2	MP3A	Z	26.231	4.67
3	MP3A	Mx	002	4.67
4	MP3B	X	-11.323	.33
5		Z	19.611	.33
6	MP3B MP3P	Mx	017	.33
7	MP3B	X	-11.323	4.67
8	MP3B	Z	19.611	4.67
9	MP3B	Mx	017	4.67
0	MP3B	X	-14.313	.33
1	MP3C	Z	24,791	.33
2	MP3C		.025	.33
3	MP3C	Mx	-14.313	4.67
4	MP3C	<u>X</u>	24.791	4.67
5	MP3C	Z	.025	4.67
6	MP3C	Mx	-17.099	.33
7	MP4A	X	29.616	.33
8	MP4A	Z		.33
9	MP4A	Mx	.017	4.67
0	MP4A	X	-17.099	4.67
1	MP4A	Z	29.616	4.67
2	MP4A	Mx	.017	.33
3	MP4B	X	-12.801	.33
4	MP4B	Z	22.172	
5	MP4B	Mx	026	.33 4.67
6	MP4B	X	-12.801	
7	MP4B	<u>Z</u>	22.172	4.67
8	MP4B	Mx	026	4.67
9	MP4C	X	-16.164	.33
0	MP4C	Z	27.996	.33
1	MP4C	Mx	.021	.33
2	MP4C	X	-16.164	4.67
3	MP4C	Z	27.996	4.67
4	MP4C	Mx	.021	4.67
5	MP1A	X	-8.297	1.33
6	MP1A	Z	14.371	1.33
7	MP1A	Mx	.004	1.33
8	MP1A	X	-8.297	3.33
9	MP1A	Z	14.371	3.33
0	MP1A	Mx	.004	3.33
	MP1B	X	-4.126	1.33
1	MP1B	Z	7.147	1.33
2	MP1B MP1B	Mx	004	1.33
3	MP1B MP1B	X	-4.126	3.33
64 65	MP1B	Z	7.147	3.33

#### 14/2 /940 D 1) (Continued) - -

[R:\...\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d] RISA-3D Version 17.0.4

Page 55



	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
66	MP1B	Mx	004	3.33
67	MP1C	X	-7.39	1.33
68	MP1C	Z	12.799	1.33
69	MP1C	Mx	.005	1.33
70	MP1C	X	-7.39	3.33
71	MP1C	Z	12.799	3.33
72	MP1C	Mx	.005	3.33
73	MP4A	X	-7.543	2.5
74	MP4A	Z	13.065	2.5
75	MP4A	Mx	003	2.5
76	MP4B	X	-5.679	2.5
77	MP4B	Z	9.836	2.5
78	MP4B	Mx	.004	2.5
79	MP4C	X	-7.137	2.5
80	MP4C	Z	12.362	2.5
81	MP4C	Mx	003	2.5
82	MP3A	X	-7.307	2.5
83	MP3A	Z	12.656	2.5
84	MP3A	Mx	002	2.5
85	MP3B	X	-4.734	2.5
86	MP3B	Z	8.2	2.5
87	MP3B	Mx	.003	2.5
88	MP3C	X	-6.747	2.5
89	MP3C	Z	11.686	2.5
90	MP3C	Mx	003	2.5
91	M100	X	-9.617	1
92	M100	Z	16.658	1
93	M100	Mx	0	1
94	M98	X	-13.936	
95	M98	7	24.137	1
96	M98	Mx	0	1
97	M108	X	-3.782	6
98	M108	Z	6.55	6
99	M108	Mx	.00063	6
100	M108	X	-3.782	6
101	M108	Z	6.55	6
102	M108	Mx	00063	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-21.818	.33
2	MP3A	Z	12.597	.33
3	MP3A	Mx	.023	.33
4	MP3A	X	-21.818	4.67
5	MP3A	Z	12.597	4.67
6	MP3A	Mx	.023	4.67
7	MP3B	X	-21.818	.33
8	MP3B	Z	12.597	.33
9	MP3B	Mx	01	.33
10	MP3B	X	-21.818	4.67
11	MP3B	Z	12.597	4.67
12	MP3B	Mx	01	4.67
13	MP3C	X	-28.171	.33
14	MP3C	Z	16,265	.33
15	MP3C	Mx	012	.33
16	MP3C	X	-28.171	4.67



July 19, 2023 3:04 PM Checked By:\_\_\_\_

	Member Label	Direction	Deg)) (Continued) Magnitude[lb.k-ft]	Location[ft,%]
17	MP3C	Z	16.265	4.67
18	MP3C	Mx	012	4.67
19	MP3A	X	-21.818	.33
20	MP3A	Z	12.597	.33
21	MP3A	Mx	.01	.33
22	MP3A	X	-21.818	4.67
23	MP3A	Z	12.597	4.67
24	MP3A	Mx	.01	4.67
25	MP3B	X	-21.818	.33
26	MP3B	Z	12.597	.33
27	MP3B	Mx	023	.33
28	MP3B	X	-21.818	4.67
29	MP3B	Z	12.597	4.67
30	MP3B	Mx	023	4.67
31	MP3C	X	-28.171	.33
32	MP3C	Z	16,265	.33
33	MP3C	Mx	.02	.33
34	MP3C	X	-28.171	4.67
35	MP3C	Z	16.265	4.67
36	MP3C	Mx	.02	4.67
37	MP4A	X	-24.653	.33
38	MP4A	Z	14.233	.33
39	MP4A	Mx	.025	.33
40	MP4A	X	-24.653	4.67
41	MP4A	Z	14.233	4.67
42	MP4A	Mx	.025	4.67
43	MP4B	X	-24.653	.33
44	MP4B	Z	14.233	.33
45	MP4B	Mx	025	.33
46	MP4B	X	-24.653	4.67
47	MP4B	Z	14.233	4.67
48	MP4B	Mx	025	4.67
49	MP4C	X	-31.798	.33
50	MP4C	Z	18.359	.33
51	MP4C	Mx	.006	.33
52	MP4C	X	-31.798	4.67
53	MP4C	Z	18.359	4.67
54	MP4C	Mx	.006	4.67
55	MP1A	X	-9.555	1.33
56	MP1A	Z	5.517	1.33
57	MP1A	Mx	.005	1.33
58	MP1A	X	-9.555	3.33
59	MP1A	Ζ	5,517	3.33
60	MP1A	Mx	.005	3.33
61	MP1B	X	-9.555	1.33
62	MP1B	Z	5.517	1.33
63	MP1B	Mx	005	1.33
64	MP1B	X	-9.555	3.33
65	MP1B	Z	5.517	3.33
66	MP1B	Mx	005	3.33
67	MP1C	X	-16.489	1.33
68	MP1C	Z	9.52	1.33
69	MP1C	Mx	.002	1.33
70	MP1C	X	-16.489	3.33
71	MP1C	Z	9.52	3.33
72	MP1C	Mx	.002	3.33
11	INIT IO	X	-10.912	2.5

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4A	Z	6.3	2.5
75	MP4A	Mx	004	2.5
76	MP4B	X	-10.912	2.5
77	MP4B	Z	6.3	2.5
78	MP4B	Mx	.004	2.5
79	MP4C	X	-14.011	2.5
80	MP4C	Z	8.089	2.5
81	MP4C	Mx	000936	2.5
82	MP3A	X	-9.685	2.5
83	MP3A	7	5.592	2.5
84	MP3A	Mx	003	2.5
85	MP3B	X	-9.685	2.5
86	MP3B	Z	5.592	2.5
87	MP3B	Mx	.003	2.5
88	MP3C	X	-13.962	2.5
89	MP3C	Z	8.061	2.5
90	MP3C	Mx	000933	2.5
91	M100	X	-19.151	1
92	M100	Z	11.057	1
93	M100	Mx	0	1
94	M98	X	-19.151	1.5161 1
95	M98	Z	11.057	1
96	M98	Mx	0	1
97	M108	X	-4.132	6
98	M108	Z	2.385	6
99	M108	Mx	.000689	6
100	M108	X	-4,132	6
101	M108	Z	2.385	6
102	M108	Mx	000689	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-22.645	.33
2	MP3A	Z	0	.33
3	MP3A	Mx	.017	.33
4	MP3A	X	-22.645	4.67
5	MP3A	Z	0	4.67
6	MP3A	Mx	.017	4.67
7	MP3B	X	-30.289	.33
8	MP3B	Z	0	.33
9	MP3B	Mx	.002	.33
10	MP3B	X	-30.289	4.67
11	MP3B	Z	0	4.67
12	MP3B	Mx	.002	4.67
13	MP3C	X	-31.644	.33
14	MP3C	Z	0	.33
15	MP3C	Mx	023	.33
16	MP3C	X	-31.644	4.67
17	MP3C	Z	0	4.67
18	MP3C	Mx	023	4.67
19	MP3A	X	-22.645	.33
20	MP3A	Z	0	.33
21	MP3A	Mx	.017	.33
22	MP3A	X	-22.645	4.67
23	MP3A	Z	0	4.67
24	MP3A	Mx	.017	4.67



	Member Label	1 : Antenna Wi (270 Direction	Magnitude[lb.k-ft]	Location[ft,%]
25	MP3B	X	-30.289	.33
26	MP3B	Z	0	.33
27	MP3B	M×	024	.33
28	MP3B	X	-30.289	4.67
29	MP3B	Z	0	4.67
30	MP3B	M×	024	4.67
31	MP3C	X	-31.644	.33
32	MP3C	Z	0	.33
33	MP3C	Mx	.007	.33
34	MP3C	X	-31.644	4.67
35	MP3C	Z	0	4.67
36	MP3C	Mx	.007	4.67
37	MP4A	X	-25.602	.33
38	MP4A	Z	0	.33
39	MP4A	Mx	.026	.33
40	MP4A	X	-25.602	4.67
41	MP4A	Z	0	4.67
42	MP4A	Mx	.026	4.67
43	MP4B	X	-34.198	.33
44	MP4B	Z	0	.33
45	MP4B	Mx	017	.33
46	MP4B	X	-34.198	4.67
47	MP4B	Z	0	4.67
48	MP4B	Mx	017	4.67
49	MP4C	X	-35.722	.33
50	MP4C	Z	.0	.33
51	MP4C	Mx	012	.33
52	MP4C	X	-35.722	4.67
53	MP4C	Z	0	4.67
54	MP4C	Mx	012	4.67
55	MP1A	X	-8.252	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	.004	1.33
58	MP1A	X	-8.252	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	.004	3.33
61	MP1B	X	-16.594	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	004	1.33
64	MP1B	X	-16.594	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	004	3.33
67	MP1C	X	-18.074	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	003	1.33
70	MP1C	X	-18.074	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	003	3.33
73	MP4A	X	-11.358	2.5
73 74	MP4A	Z	0	2.5
75	MP4A	Mx	004	2.5
75	MP4B	X	-15.086	2.5
	MP4B	Z	0	2.5
77	MP4B	Mx	.003	2.5
78	MP4C	X	-15.747	2.5
79	MP4C MP4C	Z	0	2.5
80 81	MP4C MP4C	Mx	.002	2.5

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP3A	X	-9,469	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	003	2.5
85	MP3B	X	-14.614	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	.002	2.5
88	MP3C	X	-15.526	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	.002	2.5
91	M100	X	-27.871	1
92	M100	Z	0	1
93	M100	Mx	0	1
94	M98	X	-19.235	1 1
95	M98	Z	0	1
96	M98	Mx	Ő	1
97	M108	X	-3.375	6
98	M108	Z	0	6
99	M108	Mx	.000562	6
00	M108	X	-3.375	6
101	M108	Z	0	6
102	M108	Mx	000562	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-21.818	.33
2	MP3A	Z	-12.597	.33
3	MP3A	Mx	.01	.33
4	MP3A	X	-21.818	4.67
5	MP3A	Z	-12.597	4.67
6	MP3A	Mx	.01	4.67
7	MP3B	X	-28.437	.33
8	MP3B	Z	-16.418	.33
9	MP3B	Mx	.016	.33
10	MP3B	X	-28.437	4.67
11	MP3B	Z	-16.418	4.67
12	MP3B	Mx	.016	4.67
13	MP3C	X	-23.258	.33
14	MP3C	Z	-13.428	.33
15	MP3C	Mx	024	.33
16	MP3C	X	-23.258	4.67
17	MP3C	Z	-13.428	4.67
18	MP3C	Mx	024	4.67
19	MP3A	X	-21.818	.33
20	MP3A	Z	-12.597	.33
21	MP3A	Mx	.023	.33
22	MP3A	X	-21.818	4.67
23	MP3A	Z	-12.597	4.67
24	MP3A	Mx	.023	4.67
25	MP3B	X	-28.437	.33
26	MP3B	Z	-16.418	.33
27	MP3B	Mx	016	.33
28	MP3B	X	-28.437	4.67
29	MP3B	Z	-16.418	4.67
30	MP3B	Mx	016	4.67
31	MP3C	X	-23.258	.33
32	MP3C	Z	-13.428	.33



July 19, 2023 3:04 PM Checked By:\_

	Member Label	5 : Antenna Wi (300 Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	007	.33
34	MP3C	X	-23.258	4.67
35	MP3C	Z	-13.428	4.67
36	MP3C	Mx	007	4.67
37	MP4A	X	-24.653	.33
	MP4A	Z	-14.233	.33
38	MP4A	Mx	.025	.33
39		X	-24.653	4.67
40	MP4A	Z	-14.233	4.67
41	MP4A	Mx	.025	4.67
42	MP4A	X	-32.097	.33
43	MP4B	Z	-18.531	.33
44	MP4B		0	.33
45	MP4B	Mx	-32.097	4.67
46	MP4B	<u>X</u>	-18.531	4.67
47	MP4B	Z		4.67
48	MP4B	Mx	0	.33
49	MP4C	X	-26.273	.33
50	MP4C	Z	-15.169	
51	MP4C	Mx	023	.33
52	MP4C	X	-26.273	4.67
53	MP4C	Z	-15.169	4.67
54	MP4C	Mx	023	4.67
55	MP1A	X	-9.555	1.33
56	MP1A	Z	-5.517	1.33
	MP1A	Mx	.005	1.33
57	MP1A	X	-9.555	3.33
58		Z	-5.517	3.33
59	MP1A	Mx	.005	3.33
60	MP1A	X	-16.779	1.33
61	MP1B	Z	-9.688	1.33
62	MP1B		0	1.33
63	MP1B	Mx	-16.779	3.33
64	MP1B	X	-9.688	3.33
65	MP1B	Z		3.33
66	MP1B	Mx	0	1.33
67	MP1C	X	-11.127	
68	MP1C	Z	-6.424	1.33
69	MP1C	Mx	005	1.33
70	MP1C	X	-11.127	3.33
71	MP1C	Z	-6.424	3.33
72	MP1C	Mx	005	3.33
73	MP4A	X	-10.912	2.5
74	MP4A	Z	-6.3	2.5
75	MP4A	Mx	004	2.5
	MP4B	X	-14.141	2.5
76	MP4B	Z	-8.164	2.5
77		Mx	0	2.5
78	MP4B	X	-11.615	2.5
79	MP4C	Z	-6.706	2.5
80	MP4C		.003	2.5
81	MP4C	Mx	-9.685	2.5
82	MP3A	X		2.5
83	MP3A	Z	-5.592	2.5
84	MP3A	Mx	003	
85	MP3B	X	-14.141	2.5
86	MP3B	Z	-8.164	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	-10.655	2.5
89	MP3C	Z	-6.152	2.5

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[R:\...\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d] RISA-3D Version 17.0.4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP3C	Mx	.003	2.5
91	M100	X	-26.63	1
92	M100	Z	-15.375	1
93	M100	Mx	0	1
94	M98	X	-19.151	1
95	M98	Z	-11.057	1
96	M98	Mx	0	1
97	M108	X	-4.132	6
98	M108	Z	-2.385	6
99	M108	Mx	.000689	6
100	M108	X	-4,132	6
101	M108	Z	-2.385	6
102	M108	Mx	000689	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-15.144	.33
2	MP3A	Z	-26.231	.33
3	MP3A	Mx	002	.33
4	MP3A	X	-15.144	4.67
5	MP3A	Z	-26.231	4.67
6	MP3A	Mx	002	4.67
7	MP3B	X	-15.144	.33
8	MP3B	Z	-26.231	.33
9	MP3B	Mx	.024	.33
10	MP3B	X	-15.144	4.67
11	MP3B	Z	-26.231	4.67
12	MP3B	Mx	.024	4.67
13	MP3C	X	-11.476	.33
14	MP3C	Z	-19.878	.33
15	MP3C	Mx	019	.33
16	MP3C	X	-11.476	4.67
17	MP3C	Z	-19.878	4.67
18	MP3C	Mx	019	4.67
19	MP3A	X	-15.144	.33
20	MP3A	Z	-26.231	.33
21	MP3A	Mx	.024	.33
22	MP3A	X	-15.144	4.67
23	MP3A	Z	-26.231	4.67
24	MP3A	Mx	.024	4.67
25	MP3B	X	-15.144	.33
26	MP3B	Z	-26.231	.33
27	MP3B	Mx	002	.33
28	MP3B	X	-15.144	4.67
29	MP3B	Z	-26.231	
30	MP3B	Mx	002	4.67 4.67
31	MP3C	X	-11.476	
32	MP3C	Z	-19.878	.33
33	MP3C	Mx		.33
34	MP3C MP3C	X	015	.33
35	MP3C	Z	-11.476	4.67
36	MP3C		-19.878	4.67
37		Mx	015	4.67
	MP4A	- <u>X</u>	-17.099	.33
38	MP4A	Z	-29.616	.33
39	MP4A	Mx	.017	.33
40	MP4A	X	-17.099	4.67



July 19, 2023 3:04 PM Checked By:\_\_\_\_

	Member Label	6 : Antenna Wi (330 Direction	Magnitude[lb,k-ft]	Location[ft.%]
41	MP4A	Z	-29.616	4.67
42	MP4A	Mx	.017	4.67
13	MP4B	X	-17.099	.33
14	MP4B	Z	-29.616	.33
15	MP4B	Mx	.017	.33
46	MP4B	X	-17.099	4.67
47	MP4B	Z	-29.616	4.67
48	MP4B	Mx	.017	4.67
49	MP4C	X	-12.974	.33
50	MP4C	Z	-22.471	.33
51	MP4C	Mx	026	.33
52	MP4C	X	-12.974	4.67
53	MP4C	Z	-22.471	4.67
54	MP4C	Mx	026	4.67
55	MP1A	X	-8.297	1.33
56	MP1A	Z	-14.371	1.33
57	MP1A	Mx	.004	1.33
58	MP1A	X	-8.297	3.33
59	MP1A	Z	-14.371	3.33
60	MP1A	Mx	.004	1.33
61	MP1B	X	-8.297	
62	MP1B	Z	-14.371	<u>1.33</u> 1.33
63	MP1B	Mx	.004	
64	MP1B	X	-8.297	3.33
65	MP1B	Z	-14.371	3.33
66	MP1B	Mx	.004	1.33
67	MP1C	X	-4.294	
68	MP1C	Z	-7.437	1.33
69	MP1C	Mx	004	1.33
70	MP1C	X	-4.294	3.33
71	MP1C	Z	-7.437	3.33
72	MP1C	Mx	004	3.33
73	MP4A	X	-7.543	2.5
74	MP4A	Z	-13.065	2.5
75	MP4A	Mx	003	2.5
76	MP4B	X	-7.543	2.5
77	MP4B	Z	-13.065	2.5
78	MP4B	Mx	003	
79	MP4C	X	-5.754	2.5
80	MP4C	Z	-9.966	2.5
81	MP4C	Mx	.004	2.5
82	MP3A	X	-7.307	2.5
83	MP3A	Z	-12.656	2.5
84	MP3A	Mx	002	2.5
85	MP3B	X	-7.307	2.5
86	MP3B	Z	-12.656	2.5
87	MP3B	Mx	002	2.5
88	MP3C	X	-4.838	2.5
89	MP3C	Z	-8.379	2.5
90	MP3C	Mx	.003	2.5
91	M100	X	-13.936	1
92	M100	Z	-24.137	1 1
93	M100	Mx	0	1
94	M98	X	-13.936	1
95	M98	Z	-24.137	1
96	M98	Mx	0	1
97	M108	X	-3.782	6

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

RISA-3D Version 17.0.4 [R:

[R:\...\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	M108	Z	-6.55	6
98 99 100	M108	Mx	.00063	6
100	M108	X	-3.782	6
101 102	M108	Z	-6.55	6
102	M108	Mx	00063	6

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

1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	MP3A	X	0	.33
2	MP3A	Z	-7.239	.33
3	MP3A	Mx	004	.33
4	MP3A	X	0	4.67
5	MP3A	Z	-7.239	4.67
6	MP3A	Mx	004	4.67
7	MP3B	X	00	.33
8	MP3B	Z	-4.145	.33
9	MP3B	Mx	.004	.33
10	MP3B	X	0	4.67
11	MP3B	Z	-4.145	4.67
12	MP3B	Mx	.004	4.67
13	MP3C	X	0	.33
14	MP3C	Z	-3.596	.33
15	MP3C	Mx	002	.33
16	MP3C	X	0	4.67
17	MP3C	Z	-3.596	4.67
18	MP3C	Mx	002	4.67
19	MP3A	X	0	.33
20	MP3A	Z	-7.239	.33
21	MP3A	Mx	.004	.33
22	MP3A	X	0	4.67
23	MP3A	Z	-7.239	4.67
24	MP3A	Mx	.004	4.67
25	MP3B	X	0	.33
26	MP3B	Z	-4.145	.33
27	MP3B	Mx	.002	.33
28	MP3B	X	0	4.67
29	MP3B	Z	-4.145	4.67
30	MP3B	Mx	.002	
31	MP3C	X	0	4.67
32	MP3C	Z	-3.596	.33
33	MP3C	Mx		.33
34	MP3C	X	003	.33
35	MP3C	Z	-3.596	4.67
36	MP3C	Mx		4.67
37	MP4A		003	4.67
38	MP4A MP4A	X Z	0	.33
39	MP4A MP4A		-12.126	.33
40	MP4A MP4A	Mx	0	.33
41	MP4A MP4A	X	0	4.67
12		Z	-12.126	4.67
42 43	MP4A	Mx	0	4.67
43	MP4B	X	0	.33
	MP4B	Z	-9.082	.33
45	MP4B	Mx	.008	.33
46	MP4B	X	0	4.67
47	MP4B	Z	-9.082	4.67
48	MP4B	Mx	.008	4.67



July 19, 2023 3:04 PM Checked By:\_\_\_

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP4C	X Z	0	.33
50	MP4C		-8.542	.33
51	MP4C	Mx	008	.33
52	MP4C	X	0	4.67
53	MP4C	Z	-8.542	4.67
54	MP4C	Mx	008	4.67
55	MP1A	X	0	1.33
56	MP1A	Z	-5.15	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	-5.15	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	-2.618	1.33
63	MP1B	Mx	.001	1.33
64	MP1B	X	0	3.33
65	MP1B	Z	-2.618	3.33
66	MP1B	Mx	.001	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	-2.169	1.33
69	MP1C	Mx	001	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	-2.169	3.33
72	MP1C	Mx	001	3.33
73	MP4A	X	0	2.5
74	MP4A	Z	-4.073	2.5
75	MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B	Z	-3.068	2.5
78	MP4B	Mx	000886	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	-2.889	2.5
81	MP4C	Mx	.000905	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	-4.073	2.5
84	MP3A	Mx	0	2.5
85	MP3B	X	0	2.5
86	MP3B	Z	-2.693	2.5
87	MP3B	Mx	000777	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	-2.449	2.5
90	MP3C	Mx	.000767	2.5
91	M100	X	0	1
92	M100	Z	-6.784	1
93	M100	Mx	0	1
93 94	M100	X	0	1
94 95	M98	Z	-9.748	1
95 96	M98	Mx	0	1
96	M108	X	0	6
97 98	M108	Z	-2.519	6
98	M108	Mx	0	6
100	M108	X	0	6
100	M108	Z	-2.519	6
101	M108	Mx	0	6

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

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

14 9/1

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	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X Z	3.104	.33
2	MP3A		-5.376	.33
3	MP3A	Mx	005	.33
4	MP3A	X	3.104	4.67
5	MP3A	Z	-5.376	4.67
6	MP3A	Mx	005	4.67
7	MP3B	X	1.557	.33
8	MP3B	Z	-2.697	.33
9	MP3B	Mx	.002	.33
10	MP3B	X	1.557	4.67
11	MP3B	Z	-2.697	4.67
12	MP3B	Mx	.002	4.67
13	MP3C	X	2.767	.33
14	MP3C	Z	-4.793	.33
15	MP3C	Mx	000548	.33
16	MP3C	X	2.767	4.67
17	MP3C	Z	-4.793	4.67
18	MP3C	Mx	000548	4.67
19	MP3A	X Z	3.104	.33
20	MP3A		-5.376	.33
21	MP3A	Mx	.00036	.33
22	MP3A	X	3.104	4.67
23	MP3A	Z	-5.376	4.67
24	MP3A	Mx	.00036	4.67
25	MP3B	X	1.557	.33
26	MP3B	Z	-2.697	.33
27	MP3B	Mx	.002	.33
28	MP3B	X	1.557	4.67
29	MP3B	Z	-2.697	4.67
30	MP3B	Mx	.002	4.67
31	MP3C	X	2.767	.33
32	MP3C	Z	-4.793	.33
33	MP3C	Mx	005	.33
34	MP3C	X	2.767	4.67
35	MP3C	Z	-4.793	4.67
36	MP3C	Mx	005	4.67
37	MP4A	X	5.556	.33
38	MP4A	Z	-9.623	.33
39	MP4A	Mx	006	.33
40	MP4A	X	5.556	4.67
41	MP4A	Z	-9.623	4.67
42	MP4A	Mx	006	4.67
43	MP4B	X	4.034	.33
44	MP4B	Z	-6.986	.33
45	MP4B	Mx	.008	.33
46	MP4B	X	4.034	4.67
47	MP4B	Z	-6.986	4.67
48	MP4B	Mx	.008	4.67
19	MP4C	X	5.225	.33
50	MP4C	Z	-9.049	.33
51	MP4C	Mx	007	.33
52	MP4C	X	5.225	4.67
53	MP4C	Z	-9.049	4.67
54	MP4C	Mx	007	
55	MP1A	X	2.153	4.67
56	MP1A	Z	-3.729	1.33
57	MP1A	Mx	-3.729	1.33

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



July 19, 2023 3:04 PM Checked By:\_\_\_\_

	Member Label	8 : Antenna Wm (30 Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1A	X	2.153	3.33
59	MP1A	Z	-3.729	3.33
60	MP1A	Mx	001	3.33
61	MP1B	X	.887	1.33
62	MP1B	Z	-1.536	1.33
63	MP1B	Mx	.000887	1.33
	MP1B	X	.887	3.33
64 65	MP1B	Z	-1.536	3.33
	MP1B	Mx	.000887	3.33
66 67	MP1C	X	1.878	1.33
	MP1C	Z	-3.252	1.33
68 69	MP1C	Mx	001	1.33
	MP1C MP1C	X	1.878	3.33
70	MP1C MP1C	Z	-3.252	3.33
71	MP1C MP1C	Mx	001	3.33
72	MP1C MP4A	X	1.869	2.5
73	MP4A MP4A	Z	-3.237	2.5
74	MP4A MP4A	Mx	.000623	2.5
75	MP4A MP4B	X	1.366	2.5
76		Z	-2.367	2.5
77	MP4B MP4B	Mx	000911	2.5
78	MP4B MP4C	X	1.76	2.5
79	MP4C MP4C	Z	-3.048	2.5
80	MP4C	Mx	.000754	2.5
81	MP4C	X	1.806	2.5
82		Z	-3.129	2.5
83	MP3A	Mx	.000602	2.5
84	MP3A	X	1.117	2.5
85	MP3B	Z	-1.934	2.5
86	MP3B	Mx	000744	2.5
87	MP3B	X	1.656	2.5
88	MP3C	Z	-2.869	2.5
89	MP3C	Mx	.00071	2.5
90	MP3C	X	2.898	1
91	M100	Z	-5.02	1
92	M100	Mx	0	1
93	M100	X	4.38	
94	M98	Z	-7.587	1
95	M98	Mx	0	
96	M98	X	1.04	6
97	M108	Z	-1.801	6
98	M108		000173	6
99	M108	Mx	1.04	6
100	M108	X	-1.801	6
101	M108	<u>Z</u>	.000173	6
102	M108	Mx	.000175	

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

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	3.59	.33
2	MP3A	Z	-2.073	.33
2	MP3A	Mx	004	.33
1	MP3A	X	3.59	4.67
5	MP3A	Z	-2.073	4.67
5 6	MP3A	Mx	004	4.67
7	MP3B	X	3.59	.33
8	MP3B	Z	-2.073	.33

Page 67



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-	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.002	.33
10	MP3B	X	3.59	4.67
11	MP3B	<u>Z</u>	-2.073	4.67
12	MP3B	Mx	.002	4.67
13	MP3C	X	6.162	.33
14	MP3C	Z	-3.557	.33
15	MP3C	Mx	.003	.33
16	MP3C	X	6.162	4.67
17	MP3C	Z	-3.557	4.67
18	MP3C	Mx	.003	4.67
19	MP3A	X	3.59	.33
20	MP3A	Z	-2.073	.33
21	MP3A	Mx	002	.33
22	MP3A	X	3.59	4.67
23	MP3A	Z	-2.073	4.67
24	MP3A	Mx	002	4.67
25	MP3B	X	3.59	.33
26	MP3B	Z	-2.073	.33
27	MP3B	Mx	.004	.33
28	MP3B		3.59	4.67
29	MP3B	Z	-2.073	4.67
30	MP3B	Mx	.004	4.67
31	MP3C	X	6.162	.33
32	MP3C	Z	-3.557	.33
33	MP3C	Mx	004	.33
34	MP3C	X	6.162	4.67
35	MP3C	Z	-3.557	4.67
36	MP3C	Mx	004	4.67
37	MP4A	X	7.865	.33
38	MP4A	Z	-4.541	.33
39	MP4A	Mx	008	.33
40	MP4A	X	7.865	4.67
1	MP4A	Z	-4.541	4.67
42	MP4A	Mx	008	
13	MP4B	X	7.865	4.67
14	MP4B	Z	-4.541	.33
45	MP4B	Mx	.008	.33
16	MP4B	X	7.865	.33
17	MP4B	Z		4.67
18	MP4B	Mx	-4.541	4.67
49	MP4D MP4C		.008	4.67
50	MP4C	Z	10.396	.33
51	MP4C		-6.002	.33
52	MP4C MP4C	X Mx	002	.33
3	MP4C MP4C	Z	10.396	4.67
54	MP4C MP4C		-6.002	4.67
5	MP4C MP1A	Mx	002	4.67
i6		X Z	2.267	1.33
07	MP1A		-1.309	1.33
	MP1A	Mx	001	1.33
8	MP1A	X	2.267	3.33
59	MP1A	Z	-1.309	3.33
0	MP1A	Mx	001	3.33
51	MP1B	X Z	2.267	1.33
2	MP1B		-1.309	1.33
3	MP1B	Mx	.001	1.33
64	MP1B	X	2.267	3.33
65	MP1B	Z	-1.309	3.33

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Point Loads (BLC 2 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1B	Mx	.001	3.33
67	MP1C	X	4.372	1.33
68	MP1C	Z	-2.524	1.33
69	MP1C	Mx	000438	1.33
70	MP1C	X	4.372	3.33
70	MP1C	Z	-2.524	3.33
72	MP1C	Mx	000438	3.33
73	MP4A	X	2.657	2.5
74	MP4A	Z	-1.534	2.5
75	MP4A	Mx	.000886	2.5
	MP4B	X	2.657	2.5
76 77	MP4B MP4B	Z	-1.534	2.5
78	MP4B MP4B	Mx	000886	2.5
79	MP4D MP4C	X	3.492	2.5
80	MP4C	Z	-2.016	2.5
81	MP4C	Mx	.000233	2.5
82	MP4C MP3A	X	2.332	2.5
83	MP3A	Z	-1.347	2.5
84	MP3A MP3A	Mx	.000777	2.5
85	MP3B	X	2.332	2.5
	MP3B	Z	-1.347	2.5
86	MP3B	Mx	000778	2.5
87	MP3C	X	3.479	2.5
88	MP3C	Z	-2.009	2.5
89 90	MP3C	Mx	.000233	2.5
	M100	X	5.875	1
91 92	M100	Z	-3.392	1
92 93	M100	Mx	0	1
93 94	M98	X	5.875	1
94	M98	7	-3.392	1
	M98	Mx	0	1.000
96	M108	X	1.041	6
97 98	M108	Z	601	6
	M108	Mx	000174	6
99	M108	X	1.041	6
100	M108	Z	601	6
101	M108	Mx	.000174	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.114	.33
2	MP3A	7	0	.33
3	MP3A	Mx	002	.33
	MP3A	X	3.114	4.67
4	MP3A	7	0	4.67
6	MP3A	Mx	002	4.67
7	MP3B	X	6.208	.33
8	MP3B	7	0	.33
9	MP3B	Mx	00036	.33
	MP3B	X	6.208	4.67
10	MP3B	7	0	4.67
11	MP3B	Mx	00036	4.67
12	MP3C	X	6.757	.33
13	MP3C		0	.33
14		Mx	.005	.33
15 16	MP3C MP3C	X	6.757	4.67



17		Direction	Magnitude[lb,k-ft]	Location[ft,%]
	MP3C	Z	0	4.67
18	MP3C	Mx	.005	4.67
19	MP3A	X	3.114	.33
20	MP3A	Z	0	.33
21	MP3A	Mx	002	.33
22	MP3A	X	3.114	4.67
23	MP3A	Z	0	4.67
24	MP3A	Mx	002	4.67
25	MP3B	X	6.208	.33
26	MP3B	Z	0	.33
27	MP3B	Mx	.005	.33
28	MP3B	X	6.208	4.67
29	MP3B	Z	0	4.67
30	MP3B	Mx	.005	4.67
31	MP3C	X	6.757	.33
32	MP3C	Z	0	.33
33	MP3C	Mx	001	.33
34	MP3C	X	6.757	4.67
35	MP3C	Z	0	4.67
36	MP3C	Mx	001	4.67
37	MP4A	X	8.067	.33
38	MP4A	Z	0	.33
39	MP4A	Mx	008	.33
40	MP4A	X	8.067	4.67
41	MP4A	Z	0	4.67
42	MP4A	Mx	008	4.67
43	MP4B	X	11.112	.33
44	MP4B	Z	0	.33
45	MP4B	Mx	.006	.33
46	MP4B	X	11.112	4.67
47	MP4B	Z	0	4.67
48	MP4B	Mx	.006	4.67
49	MP4C	X	11.652	.33
50	MP4C	Z	0	.33
51	MP4C	Mx	.004	.33
52	MP4C	X	11.652	4.67
53	MP4C	Z	0	4.67
54	MP4C	Mx	.004	4.67
55	MP1A	X	1.774	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	000887	1.33
58	MP1A	X	1.774	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	000887	3.33
61	MP1B	X	4.306	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	.001	1.33
64	MP1B	X	4.306	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	.001	3.33
67	MP1C	X	4.755	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	.000813	1.33
70	MP1C		4.755	
71	MP1C	Z	0	3.33
72	MP1C	Mx	.000813	3.33
73	MP10 MP4A	X	2.733	3.33

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4A	Z	0	2.5
75	MP4A	Mx	.000911	2.5
76	MP4B	X	3.738	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	000623	2.5
79	MP4C	X	3.916	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	000446	2.5
82	MP3A	X	2.233	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	.000744	2.5
85	MP3B	X	3.613	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	000602	2.5
88	MP3C	X	3.858	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	00044	2.5
91	M100	X	8.76	11
92	M100	Z	0	lersne 1
93	M100	Mx	0	1
94	M98	X	5.796	1
95	M98	Z	0	11
95	M98	Mx	0	1
97	M108	X	.764	6
98	M108	Z	0	6
99	M108	Mx	000127	6
100	M108	X	.764	6
101	M108	Z	0	6
102	M108	Mx	.000127	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.59	.33
2	MP3A	Z	2.073	.33
3	MP3A	Mx	002	.33
4	MP3A	X	3.59	4.67
5	MP3A	Z	2.073	4.67
6	MP3A	Mx	002	4.67
7	MP3B	X	6.269	.33
8	MP3B	Z	3.62	.33
9	MP3B	Mx	004	.33
10	MP3B	X	6.269	4.67
11	MP3B	Z	3.62	4.67
12	MP3B	Mx	004	4.67
13	MP3C	X	4.173	.33
14	MP3C	Z	2.409	.33
15	MP3C	Mx	.004	.33
16	MP3C	X	4.173	4.67
17	MP3C	Z	2.409	4.67
18	MP3C	Mx	.004	4.67
19	MP3A	X	3.59	.33
20	MP3A	Z	2.073	.33
21	MP3A	Mx	004	.33
22	MP3A	X	3.59	4.67
23	MP3A	Z	2.073	4.67
24	MP3A	Mx	004	4.67



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	6.269	.33
26	MP3B	Z	3.62	.33
27	MP3B	Mx	.004	.33
28	MP3B	X	6.269	4.67
29	MP3B	Z	3.62	4.67
30	MP3B	Mx	.004	4.67
31	MP3C	X	4.173	.33
32	MP3C	Z	2.409	.33
33	MP3C	Mx	.001	.33
34	MP3C	×	4.173	4.67
35	MP3C	Z	2.409	4.67
36	MP3C	Mx	.001	4.67
37	MP4A	X	7.865	.33
38	MP4A	Z	4.541	.33
39	MP4A	Mx	008	.33
40	MP4A	X	7.865	4.67
41	MP4A	Z	4.541	4.67
42	MP4A	Mx	008	4.67
43	MP4B	X	10.502	.33
44	MP4B	Z	6.063	.33
45	MP4B	Mx	0	.33
46	MP4B	X	10.502	4.67
47	MP4B	Z	6.063	4.67
48	MP4B	Mx	0	4.67
49	MP4C	X	8.439	.33
50	MP4C	Z	4.872	.33
51	MP4C	Mx	.007	.33
52	MP4C	X	8.439	4.67
53	MP4C	Z	4.872	4.67
54	MP4C	Mx	.007	4.67
55	MP1A	X	2.267	1.33
56	MP1A	Z	1.309	1.33
57	MP1A	Mx	001	1.33
58	MP1A	X	2.267	3.33
59	MP1A	Z	1.309	3.33
60	MP1A	Mx	001	3.33
61	MP1B	X	4.46	1.33
62	MP1B	Z	2.575	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	4.46	3.33
65	MP1B	Z	2.575	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	2.744	1.33
68	MP1C	Z	1.584	1.33
69	MP1C	Mx	.001	1.33
70	MP1C	X	2.744	3.33
71	MP1C	Z	1.584	3.33
72	MP1C	Mx	.001	3.33
73	MP4A	X	2.657	2.5
74	MP4A	Z	1.534	2.5
75	MP4A	Mx	.000886	2.5
76	MP4B	X	3.527	2.5
77	MP4B	Z	2.036	2.5
78	MP4B	Mx	0	2.5
79	MP4C	X	2.846	2.5
80	MP4C	Z	1.643	2.5
81	MP4C	Mx	000839	2.5

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

Page 72



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
82	MP3A	X	2.332	2.5
83	MP3A	Z	1.347	2.5
84	MP3A	Mx	.000777	2.5
85	MP3B	X	3.527	2.5
86	MP3B	Z	2.036	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	2.592	2.5
89	MP3C	Z	1.497	2.5
90	MP3C	Mx	000764	2.5
90	M100	X	8.442	1
92	M100	Z	4.874	1
93	M100	Mx	0	1
94	M98	X	5.875	1
95	M98	Z	3.392	1
96	M98	Mx	0	1
97	M108	X	1.041	6
97 98	M108	Z	.601	6
99	M108	Mx	000174	6
100	M108	X	1.041	6
101	M108	Z	.601	6
102	M108	Mx	.000174	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.104	.33
2	MP3A	Z	5.376	.33
3	MP3A	Mx	.00036	.33
4	MP3A	X	3.104	4.67
5	MP3A	Z	5.376	4.67
6	MP3A	Mx	.00036	4.67
7	MP3B	X	3.104	.33
8	MP3B	Z	5.376	.33
9	MP3B	Mx	005	.33
10	MP3B	X	3.104	4.67
11	MP3B	Z	5.376	4.67
12	MP3B	Mx	005	4.67
13	MP3C	X	1.619	.33
14	MP3C	Z	2.804	.33
15	MP3C	Mx	.003	.33
	MP3C	X	1.619	4.67
16	MP3C	Z	2.804	4.67
17	MP3C	Mx	.003	4.67
18	MP30 MP3A		3.104	.33
19		Z	5.376	.33
20	MP3A	Mx	005	.33
21	MP3A	X	3.104	4.67
22	MP3A	7	5.376	4.67
23	MP3A	Mx	005	4.67
24	MP3A	X	3.104	.33
25	MP3B	Z	5.376	.33
26	MP3B		.00036	.33
27	MP3B	Mx	3.104	4.67
28	MP3B	X	5.376	4.67
29	MP3B	Z	.00036	4.67
30	MP3B	Mx	1.619	.33
31	MP3C	<u>X</u>	2.804	.33
32	MP3C	Z	2.004	



00	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.002	.33
34 35	MP3C	X	1.619	4.67
36	MP3C MP3C	Z	2.804	4.67
37	MP3C MP4A	Mx	.002	4.67
38	MP4A MP4A	Z	5.556	.33
39	MP4A MP4A	Mx	9.623	.33
40	MP4A	X	006 5.556	.33 4.67
41	MP4A	Z	9.623	4.67
42	MP4A	Mx	006	4.67
43	MP4B	X	5.556	.33
44	MP4B	Z	9.623	.33
45	MP4B	Mx	006	.33
46	MP4B	X	5.556	4.67
47	MP4B	Z	9.623	4.67
18	MP4B	Mx	006	4.67
19	MP4C	X	4.095	.33
50	MP4C	Z	7.092	.33
51	MP4C	Mx	.008	.33
52	MP4C	X	4.095	4.67
53	MP4C	Z	7.092	4.67
54	MP4C	Mx	.008	4.67
55	MP1A	X	2.153	1.33
56	MP1A	Z	3.729	1.33
57	MP1A	Mx	001	1.33
58	MP1A	X	2.153	3.33
59	MP1A	Z	3.729	3.33
50	MP1A	Mx	001	3.33
51	MP1B	X	2.153	1.33
52	MP1B	Z	3.729	1.33
33	MP1B	Mx	001	1.33
54	MP1B	X	2.153	3.33
55	MP1B	Z	3.729	3.33
66	MP1B	Mx	001	3.33
57	MP1C	<u>X</u>	.938	1.33
58	MP1C	Z	1.624	1.33
<u>39</u>	MP1C	Mx	.000923	1.33
0	MP1C	X	.938	3.33
'1 '2	MP1C	Z	1.624	3.33
73	MP1C MP4A	Mx	.000923	3.33
74	MP4A MP4A	Z	1.869	2.5
4 '5	1172.11		3.237	2.5
6	MP4A MP4B	X	.000623 1.869	2.5
7	MP4B	Z	3.237	2.5
8	MP4B MP4B	Mx	.000623	2.5
9	MP4C	X	1.387	2.5
0	MP4C	Z	2.402	2.5
1	MP4C	Mx	000911	2.5
2	MP3A	X	1.806	2.5
3	MP3A	Z	3.129	2.5
4	MP3A	Mx	.000602	2.5
5	MP3B	X	1.806	2.5
36	MP3B	X Z	3.129	2.5
87	MP3B	Mx	.000602	2.5
8	MP3C	X	1.144	2.5
39	MP3C	Z	1.982	2.5

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	Member Laber MP3C	Mx	000751	2.5
90	M100	X	4.38	11
92	M100	Z	7.587	1
93	M100	Mx	0	11
93	M98	X	4.38	1
95	M98	Z	7.587	1
96	M98	Mx	0	1
97	M108	X	1.04	6
98	M108	Z	1.801	6
99	M108	Mx	000173	6
100	M108	X	1.04	6
101	M108	Z	1.801	6
102	M108	Mx	.000173	6

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

incling of 1 of	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP3A	X	0	.33
2	MP3A	Z	7.239	.33
3	MP3A	Mx	.004	.33
4	MP3A	X	0	4.67
5	MP3A	Z	7.239	4.67
6	MP3A	Mx	.004	4.67
7	MP3B	X	0	.33
	MP3B	Z	4.145	.33
8 9	MP3B	Mx	004	.33
10	MP3B	X	0	4.67
	MP3B	Z	4.145	4.67
11	MP3B	Mx	004	4.67
12	MP3C	X	0	.33
13	MP3C MP3C	Z	3.596	.33
14	MP3C MP3C	Mx	.002	.33
15	MP3C MP3C	X	0	4.67
16	MP3C	Z	3.596	4.67
17	MP3C MP3C	Mx	.002	4.67
18		X	0	.33
19	MP3A	Z	7.239	.33
20	MP3A	Mx	004	.33
21	MP3A	X	0	4.67
22	MP3A	Z	7.239	4.67
23	MP3A	Mx	004	4.67
24	MP3A	X	0	.33
25	MP3B	Ž	4.145	.33
26	MP3B	Mx	002	.33
27	MP3B	X	0	4.67
28	MP3B		4.145	4.67
29	MP3B	Mx	002	4.67
30	MP3B		0	.33
31	MP3C	X	3.596	.33
32	MP3C	<u>Z</u>	.003	.33
33	MP3C	Mx	0	4.67
34	MP3C	X 7	3.596	4.67
35	MP3C		.003	4.67
36	MP3C	Mx	0	.33
37	MP4A	X	12.126	.33
38	MP4A	<u>Z</u>	0	.33
39	MP4A	Mx	0	4.67
40	MP4A	X	U	4.01



N	lember Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	12.126	4.67
42	MP4A	Mx	0	4.67
43	MP4B	X	0	.33
44	MP4B	Z	9.082	.33
45	MP4B	Mx	008	.33
46	MP4B	X	0	4.67
47	MP4B	Z	9.082	4.67
48	MP4B	Mx	008	4.67
49	MP4C	X	0	.33
50	MP4C	Z	8.542	.33
51	MP4C	Mx	.008	.33
52	MP4C	X X	0	4.67
53	MP4C	Z	8.542	4.67
54	MP4C	Mx	.008	4.67
55	MP1A	X	0	1.33
56	MP1A	Z	5.15	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	5.15	3.33
60	MP1A	Mx	0	3.33
61	MP1B	<u>X</u>	0	1.33
62	MP1B	Z	2.618	1.33
63	MP1B	Mx	001	1.33
64	MP1B	X	0	3.33
65	MP1B	Z	2.618	3.33
66	MP1B	Mx	001	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	2.169	1.33
69	MP1C	Mx	.001	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	2.169	3.33
72	MP1C	Mx	.001	3.33
73	MP4A	X	0	2.5
74	MP4A	Z	4.073	2.5
75	MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B	Z	3.068	2.5
78	MP4B	Mx	.000886	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	2.889	2.5
31	MP4C	Mx	000905	2.5
32	MP3A	X	0	2.5
33	MP3A	Z	4.073	2.5
34	MP3A MP3P	Mx	0	2.5
35	MP3B	X	00	2.5
36	MP3B	Z	2.693	2.5
37	MP3B	Mx	.000777	2.5
8	MP3C	X	0	2.5
9	MP3C	Z	2.449	2.5
0	MP3C	Mx	000767	2.5
01	M100	X	0	1
2	M100	Z	6.784	1
93	M100	Mx	0	1
94	M98	X	0	1
95	M98	Z	9.748	1
96	M98	Mx	0	1
97	M108	X	0	6

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

Page 76

IRISA	Company Designer Job Number Model Name		July 19, 2023 3:04 PM Checked By:
A NEMETSCHER COMPANY	woder Name	1	

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

Manuska al Abal	Direction	Magnitude[lb.k-ft]	Location[ft,%]
	7		6
	Mx	0	6
	X	0	6
	7	2.519	6
	Mx	0	6
	Member Label M108 M108 M108 M108 M108 M108	Member LabelDirectionM108ZM108MxM108XM108ZM108Z	Member Label         Direction         Magnitude[lb,k-ft]           M108         Z         2.519           M108         Mx         0           M108         X         0           M108         X         0           M108         X         0           M108         X         0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP3A	X	-3.104	.33
2	MP3A	Z	5.376	.33
3	MP3A	Mx	.005	.33
4	MP3A	X	-3.104	4.67
5	MP3A	Z	5.376	4.67
6	MP3A	Mx	.005	4.67
7	MP3B	X	-1.557	.33
8	MP3B	Z	2.697	.33
9	MP3B	Mx	002	.33
10	MP3B	X	-1.557	4.67
11	MP3B	Z	2.697	4.67
12	MP3B	Mx	002	4,67
13	MP3C	X	-2.767	.33
14	MP3C	Z	4.793	.33
15	MP3C	Mx	.000548	.33
16	MP3C	X	-2.767	4.67
17	MP3C	Z	4.793	4.67
18	MP3C	Mx	.000548	4.67
19	MP3A	X	-3.104	.33
20	MP3A	Z	5.376	.33
21	MP3A	Mx	00036	.33
22	MP3A	X	-3.104	4.67
23	MP3A	Z	5.376	4.67
24	MP3A	Mx	00036	4.67
25	MP3B	X	-1.557	.33
26	MP3B	Z	2.697	.33
27	MP3B	Mx	002	.33
28	MP3B	X	-1.557	4.67
29	MP3B	Z	2.697	4.67
30	MP3B	Mx	002	4.67
31	MP3C	X	-2.767	.33
32	MP3C	Z	4.793	.33
33	MP3C	Mx	.005	.33
34	MP3C	X	-2.767	4.67
35	MP3C	Z	4.793	4.67
35	MP3C	Mx	.005	4.67
	MP4A	X	-5.556	.33
37 38	MP4A MP4A	Z	9.623	.33
	MP4A MP4A	Mx	.006	.33
39	MP4A MP4A	X	-5.556	4.67
40	MP4A MP4A	Z	9.623	4.67
41	MP4A MP4A	Mx	.006	4.67
42		X	-4.034	.33
43	MP4B	Ž	6.986	.33
44	MP4B	Mx	008	.33
45	MP4B	X	-4.034	4.67
46	MP4B		6.986	4.67
47 48	MP4B MP4B	Mx	008	4.67

10



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

40	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP4C	<u>X</u>	-5.225	.33
50	MP4C	Z	9.049	.33
51	MP4C	Mx	.007	.33
52	MP4C	X	-5.225	4.67
53	MP4C	Z	9.049	4.67
54	MP4C	Mx	.007	4.67
55	MP1A	X	-2.153	1.33
56	MP1A	Z	3.729	1.33
57	MP1A	Mx	.001	1.33
58	MP1A	X	-2.153	3.33
59	MP1A	Ζ	3.729	3.33
60	MP1A	Mx	.001	3.33
61	MP1B	X	887	1.33
62	MP1B	Z	1.536	1.33
63	MP1B	Mx	000887	1.33
64	MP1B	X	887	3.33
65	MP1B	Z	1.536	3.33
66	MP1B	Mx	000887	3.33
67	MP1C	X	-1.878	1.33
68	MP1C	Z	3.252	1.33
69	MP1C	Mx	.001	1.33
70	MP1C	X	-1.878	3.33
71	MP1C	Z	3.252	3.33
72	MP1C	Mx	.001	3.33
73	MP4A	X	-1.869	2.5
74	MP4A	Z	3.237	2.5
75	MP4A	Mx	000623	2.5
76	MP4B	X	-1.366	2.5
77	MP4B	Z	2.367	2.5
78	MP4B	Mx	.000911	2.5
79	MP4C	X	-1.76	2.5
80	MP4C	Z	3.048	2.5
81	MP4C	Mx	000754	2.5
82	MP3A	X	-1.806	2.5
83	MP3A	Z	3.129	2.5
84	MP3A	Mx	000602	2.5
85	MP3B	X	-1.117	2.5
86	MP3B	Z	1.934	2.5
87	MP3B	Mx	.000744	2.5
38	MP3C	X	-1.656	2.5
39	MP3C	Z	2.869	2.5
90	MP3C	Mx	00071	2.5
91	M100	X	-2.898	1
92	M100	Z	5.02	1
33	M100	Mx	0	1
94	M98	X	-4.38	1
95	M98	Z	7.587	1
96	M98	Mx	0	1
97	M108	X	-1.04	6
38	M108	Z	1.801	6
99	M108	Mx	.000173	6
00	M108	X	-1.04	6
01	M108	Z	1.801	6
02	M108	Mx	000173	6

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

Mombos Labol	Direction	Magnitudallh k ftl	Location[ft %]
RISA-3D Version 17.0.4	[R:\\\\\\Rev 0\Ris	sa\5000055445-VZW MT LO H.r3d]	Page 7



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.59	.33
2	MP3A	Z	2.073	.33
3	MP3A	Mx	.004	.33
4	MP3A	X	-3.59	4.67
5	MP3A	Z	2.073	4.67
6	MP3A	Mx	.004	4.67
7	MP3B	X	-3.59	.33
8	MP3B	Z	2.073	.33
9	MP3B	Mx	002	.33
10	MP3B	X	-3.59	4.67
11	MP3B	Ζ	2.073	4.67
12	MP3B	Mx	002	4.67
13	MP3C	X	-6.162	.33
14	MP3C	Z	3.557	.33
15	MP3C	Mx	003	.33
16	MP3C	X	-6.162	4.67
17	MP3C	Z	3.557	4.67
18	MP3C	Mx	003	4.67
19	MP3A	X	-3.59	.33
20	MP3A	Z	2.073	.33
21	MP3A	Mx	.002	.33
22	MP3A	X	-3.59	4.67
23	MP3A	Z	2,073	4.67
24	MP3A	Mx	.002	4.67
25	MP3B	X	-3.59	.33
26	MP3B	Z	2.073	.33
27	MP3B	Mx	004	.33
28	MP3B	X	-3.59	4.67
29	MP3B	Ζ	2.073	4.67
30	MP3B	Mx	004	4.67
31	MP3C	X	-6.162	.33
32	MP3C	Z	3.557	.33
33	MP3C	Mx	.004	.33
34	MP3C	X	-6.162	4.67
35	MP3C	Z	3.557	4.67
36	MP3C	Mx	.004	4.67
37	MP4A	X	-7.865	.33
38	MP4A	Z	4.541	.33
39	MP4A	Mx	.008	.33
40	MP4A	X	-7.865	4.67
41	MP4A	Z	4.541	4.67
42	MP4A	Mx	.008	4.67
43	MP4B	Х	-7.865	.33
44	MP4B	Z	4.541	.33
45	MP4B	Mx	008	.33
46	MP4B	X	-7.865	4.67
47	MP4B	Z	4.541	4.67
48	MP4B	Mx	008	4.67
49	MP4C	X	-10.396	.33
50	MP4C	Z	6.002	.33
51	MP4C	Mx	.002	.33
52	MP4C	X	-10.396	4.67
53	MP4C	Z	6.002	4.67
54	MP40 MP4C	Mx	.002	4.67
55	MP1A	X	-2.267	1.33
56	MP1A	Z	1.309	1.33
57	MP1A	Mx	.001	1.33

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1A	X	-2.267	3.33
59	MP1A	Z	1.309	3.33
60	MP1A	Mx	.001	3.33
61	MP1B	X	-2.267	1.33
62	MP1B	Z	1.309	1.33
63	MP1B	Mx	001	1.33
64	MP1B	X	-2.267	3.33
65	MP1B	Z	1.309	3.33
66	MP1B	Mx	001	3.33
67	MP1C	X	-4.372	1.33
68	MP1C	Z		
69	MP1C		2.524	1.33
70		Mx	.000438	1.33
70	MP1C	X 7	-4.372	3.33
	MP1C	Z	2.524	3.33
72	MP1C	Mx	.000438	3.33
73	MP4A	X	-2.657	2.5
74	MP4A	Z	1.534	2.5
75	MP4A	Mx	000886	2.5
76	MP4B	X	-2.657	2.5
77	MP4B	Z	1.534	2.5
78	MP4B	Mx	.000886	2.5
79	MP4C	X	-3.492	2.5
80	MP4C	Z	2.016	2.5
81	MP4C	Mx	000233	2.5
82	MP3A	X	-2.332	2.5
83	MP3A	Z	1.347	2.5
84	MP3A	Mx	000777	2.5
85	MP3B	X	-2.332	2.5
86	MP3B	Z	1.347	2.5
87	MP3B	Mx	.000778	2.5
88	MP3C	X	-3.479	2.5
89	MP3C	Z	2.009	
90	MP3C	Mx	000233	2.5
91	M100	X		2.5
92	M100	Z	-5.875	1
93	M100	Mx	3.392	1
94	M98		0	
94	M98	X 7	-5.875	1
		Z	3.392	1
96	M98	Mx	0	1
97	M108	<u> </u>	-1.041	6
98	M108	Z	.601	6
99	M108	Mx	.000174	6
100	M108	X	-1.041	6
101	M108	Z	.601	6
102	M108	Mx	000174	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.114	.33
2	MP3A	Z	0	.33
3	MP3A	Mx	.002	.33
4	MP3A	X	-3.114	4.67
5	MP3A	Z	0	4.67
6	MP3A	Mx	.002	4.67
7	MP3B	X	-6.208	.33
8	MP3B	Z	0	.33



	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
9	MP3B	Mx	.00036	.33
10	MP3B	X	-6.208	4.67
11	MP3B	Z	0	4.67
12	MP3B	Mx	.00036	4.67
13	MP3C	X	-6.757	.33
14	MP3C	Z	0	.33
15	MP3C	Mx	005	.33
16	MP3C	X	-6.757	4.67
17	MP3C	Z	0	4.67
18	MP3C	Mx	005	4.67
19	MP3A	X	-3.114	.33
20	MP3A	Z	0	.33
21	MP3A	Mx	.002	.33
22	MP3A	X	-3.114	4.67
23	MP3A	Z	0	4.67
24	MP3A	Mx	.002	4.67
25	MP3B	X	-6.208	.33
26	MP3B	Z	0	.33
27	MP3B	Mx	005	.33
28	MP3B	X	-6.208	4.67
29	MP3B	Z	0	4.67
30	MP3B	Mx	005	4.67
31	MP3C	X	-6.757	.33
32	MP3C	Z	0	.33
33	MP3C	Mx	.001	.33
34	MP3C	X	-6.757	4.67
35	MP3C	Z	0	4.67
36	MP3C	Mx	.001	4.67
37	MP4A	X	-8.067	.33
38	MP4A	Z	0	.33
39	MP4A	Mx	.008	.33
40	MP4A	X	-8.067	4.67
41	MP4A	Z	0	4.67
42	MP4A	Mx	.008	4.67
43	MP4B	X	-11.112	.33
44	MP4B	Z	0	.33
45	MP4B	Mx	006	.33
46	MP4B	X	-11.112	4.67
40	MP4B	Z	0	4.67
48	MP4B MP4B	Mx	006	4.67
40	MP4D MP4C	X	-11.652	.33
49 50	MP4C	Z	0	.33
50	MP4C MP4C	Mx	004	.33
52	MP4C MP4C	X	-11.652	4.67
52 53	MP4C MP4C	Z	0	4.67
	MP4C MP4C	Mx	004	4.67
54	MP4C MP1A	X	-1.774	1.33
55	MP1A MP1A	Z	0	1.33
56	MP1A	Mx	.000887	1.33
57		X	-1.774	3.33
58	MP1A	Z	0	3.33
59	MP1A	Mx	.000887	3.33
60	MP1A MP1B	X	-4.306	1.33
61	MP1B	Z	0	1.33
62	MP1B	Mx	001	1.33
63	MP1B	X	-4.306	3.33
64	MP1B MP1B	Z	0	3.33

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

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1B	Mx	001	3.33
67	MP1C	X	-4.755	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	000813	1.33
70	MP1C	X	-4.755	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	000813	3.33
73	MP4A	X	-2.733	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	000911	2.5
76	MP4B	X	-3.738	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	.000623	2.5
79	MP4C	X	-3.916	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	.000446	2.5
82	MP3A	X	-2.233	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	000744	2.5
85	MP3B	X	-3.613	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	.000602	2.5
88	MP3C	X	-3.858	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	.00044	2.5
91	M100	X	-8.76	1
92	M100	Z	0	1
93	M100	Mx	0	1
94	M98	X	-5.796	1
95	M98	Z	0	1
96	M98	Mx	0	1
97	M108	X	764	6
98	M108	Z	0	6
99	M108	Mx	.000127	6
100	M108	X	764	6
101	M108	Z	0	6
102	M108	Mx	000127	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.59	.33
2	MP3A	Z	-2.073	.33
3	MP3A	Mx	.002	.33
4	MP3A	X	-3.59	4.67
5	MP3A	Z	-2.073	4.67
6	MP3A	Mx	.002	4.67
7	MP3B	X	-6.269	.33
8	MP3B	Z	-3.62	.33
9	MP3B	Mx	.004	.33
10	MP3B	X	-6.269	4.67
11	MP3B	Z	-3.62	4.67
12	MP3B	Mx	.004	4.67
13	MP3C	X	-4.173	.33
14	MP3C	Z	-2,409	.33
15	MP3C	Mx	004	.33
16	MP3C	X	-4,173	4.67



	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
17	MP3C	Z	-2.409	4.67
18	MP3C	Mx	004	4.67
19	MP3A	X	-3.59	.33
20	MP3A	Z	-2.073	.33
21	MP3A	Mx	.004	.33
22	MP3A	X	-3.59	4.67
23	MP3A	Z	-2.073	4.67
24	MP3A	Mx	.004	4.67
25	MP3B	X	-6.269	.33
26	MP3B	Z	-3.62	.33
27	MP3B	Mx	004	.33
28	MP3B	X	-6.269	4.67
29	MP3B	Z	-3.62	4.67
30	MP3B	Mx	004	4.67
31	MP3C	X	-4.173	.33
32	MP3C	Z	-2.409	.33
33	MP3C	Mx	001	.33
34	MP3C	X	-4.173	4.67
35	MP3C	Z	-2.409	4.67
36	MP3C	Mx	001	4.67
37	MP4A	X	-7.865	.33
38	MP4A	Z	-4.541	.33
39	MP4A	Mx	.008	.33
40	MP4A	X	-7.865	4.67
41	MP4A	Z	-4.541	4.67
42	MP4A	Mx	.008	4.67
43	MP4B	X	-10.502	.33
44	MP4B	Z	-6.063	.33
45	MP4B	Mx	0	.33
46	MP4B	X	-10.502	4.67
47	MP4B	Z	-6.063	4.67
48	MP4B	Mx	0	4.67
49	MP4C	X	-8.439	.33
50	MP4C	Z	-4.872	.33
51	MP4C	Mx	007	.33
52	MP4C	X	-8.439	4.67
53	MP4C	Z	-4.872	4.67 -
54	MP4C	Mx	007	4.67
55	MP1A	X	-2.267	1.33
56	MP1A	Z	-1.309	1.33
57	MP1A	Mx	.001	1.33
58	MP1A	X	-2.267	3.33
59	MP1A	Z	-1.309	3.33
60	MP1A	Mx	.001	3.33
61	MP1B	X	-4.46	1.33
62	MP1B	Z	-2.575	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	-4.46	3.33
65	MP1B	Z	-2.575	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	-2.744	1.33
68	MP1C	Z	-1.584	1.33
69	MP1C	Mx	001	1.33
70	MP1C	X	-2.744	3.33
71	MP1C	Z	-1.584	3.33
11		Mx	001	3.33
72	MP1C		-2.657	2.5

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

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4A	Z	-1.534	2.5
75	MP4A	Mx	000886	2.5
76	MP4B	X	-3.527	2.5
77	MP4B	Z	-2.036	2.5
78	MP4B	Mx	0	2.5
79	MP4C	X	-2.846	2.5
80	MP4C	Z	-1.643	2.5
81	MP4C	Mx	.000839	2.5
82	MP3A	X	-2.332	2.5
83	MP3A	Z	-1.347	2.5
84	MP3A	Mx	000777	2.5
85	MP3B	X	-3.527	2.5
86	MP3B	Z	-2.036	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	-2.592	2.5
89	MP3C	Z	-1.497	2.5
90	MP3C	Mx	.000764	2.5
91	M100	X	-8.442	1
92	M100	Z	-4.874	1
93	M100	Mx	0	
94	M98	X	-5.875	1
95	M98	Z	-3.392	1
96	M98	Mx	0	1
97	M108	X	-1.041	6
98	M108	Z	601	6
99	M108	Mx	.000174	6
100	M108	X	-1.041	6
101	M108	Z	601	6
102	M108	Mx	000174	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.104	.33
2	MP3A	Z	-5.376	.33
3	MP3A	Mx	00036	.33
4	MP3A	X	-3.104	4.67
5	MP3A	Z	-5.376	4.67
6	MP3A	Mx	00036	4.67
7	MP3B	X	-3.104	.33
8	MP3B	Z	-5.376	.33
9	MP3B	Mx	.005	.33
10	MP3B	X	-3.104	4.67
11	MP3B	Z	-5.376	4.67
12	MP3B	Mx	.005	4.67
13	MP3C	X	-1.619	.33
14	MP3C	Z	-2.804	.33
15	MP3C	Mx	003	.33
16	MP3C	X	-1.619	4.67
17	MP3C	Z	-2.804	4.67
18	MP3C	Mx	003	4.67
19	MP3A	X	-3.104	.33
20	MP3A	Z	-5.376	.33
21	MP3A	Mx	.005	.33
22	MP3A	X	-3.104	4.67
23	MP3A	7	-5.376	4.67
24	MP3A	Mx	.005	4.67



	Member Label	Direction	<b>10 Deg)) (Continued)</b> Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X Z	-3.104	.33
26	MP3B	Z	-5.376	.33
27	MP3B	Mx	00036	.33
28	MP3B	X	-3.104	4.67
29	MP3B	Z	-5.376	4.67
30	MP3B	Mx	00036	4.67
31	MP3C	X	-1.619	.33
32	MP3C	Z	-2.804	.33
33	MP3C	Mx	002	.33
34	MP3C	X	-1.619	4.67
35	MP3C	Z	-2.804	4.67
36	MP3C	Mx	002	4.67
37	MP4A	X	-5.556	.33
38	MP4A	Z	-9.623	.33
	MP4A	Mx	.006	.33
39	MP4A MP4A	X	-5.556	4.67
40	MP4A MP4A	Z	-9.623	4.67
41	MP4A	Mx	.006	4.67
42		X	-5.556	.33
43	MP4B	Z	-9.623	.33
44	MP4B MP4B	Mx	.006	.33
45		X	-5.556	4.67
46	MP4B	Z	-9.623	4.67
47	MP4B	Mx	.006	4.67
48	MP4B	X	-4.095	.33
49	MP4C	Z	-7.092	.33
50	MP4C	Mx	008	.33
51	MP4C	X	-4.095	4.67
52	MP4C	Z	-7.092	4.67
53	MP4C	Mx	008	4.67
54	MP4C		-2.153	1.33
55	MP1A	X	-3.729	1.33
56	MP1A	Z	.001	1.33
57	MP1A	Mx	-2.153	3.33
58	MP1A	X	-3.729	3.33
59	MP1A	Z	.001	3.33
60	MP1A	<u>Mx</u>	-2.153	1.33
61	MP1B	X	-3.729	1.33
62	MP1B	Z	.001	1.33
63	MP1B	Mx		3.33
64	MP1B	X	-2.153 -3.729	3.33
65	MP1B	Z	.001	3.33
66	MP1B	Mx		1.33
67	MP1C	X	938 -1.624	1.33
68	MP1C	Z		1.33
69	MP1C	<u>Mx</u>	000923	3.33
70	MP1C	X	938	3.33
71	MP1C	Z	-1.624	3.33
72	MP1C	Mx	000923	2.5
73	MP4A	X	-1.869	2.5
74	MP4A	Z	-3.237	2.5
75	MP4A	Mx	000623	
76	MP4B	X	-1.869	2.5
77	MP4B	Z	-3.237	2.5
78	MP4B	Mx	000623	2.5
79	MP4C	X	-1.387	2.5
80	MP4C	Z	-2.402	2.5
81	MP4C	Mx	.000911	2.5

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP3A	X	-1.806	2.5
83	MP3A	Z	-3.129	2.5
84	MP3A	Mx	000602	2.5
85	MP3B	X	-1.806	2.5
86	MP3B	Z	-3.129	2.5
87	MP3B	Mx	000602	2.5
88	MP3C	X	-1.144	2.5
89	MP3C	Z	-1.982	2.5
90	MP3C	Mx	.000751	2.5
91	M100	X	-4.38	1
92	M100	Z	-7.587	1
93	M100	Mx	0	1
94	M98	X	-4.38	1
95	M98	Z	-7.587	1
96	M98	Mx	0	1
97	M108	X	-1.04	6
98	M108	Z	-1.801	6
99	M108	Mx	.000173	6
100	M108	X	-1.04	6
101	M108	Z	-1.801	6
102	M108	Mx	000173	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M32	Y	-500	%7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M32	Y	-500	%78

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M32	Y	-250	%50

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M32	Y	-250	%100

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	0	.33
2	MP3A	My	0	.33
3	MP3A	Mz	0	.33
4	MP3A	Y	0	4.67
5	MP3A	Mv	0	4.67
6	MP3A	Mz	0	4.67
7	MP3B	Y	0	.33
8	MP3B	Mv	0	.33
9	MP3B	Mz	0	.33
10	MP3B	Y	0	4.67
11	MP3B	My	0	4.67
12	MP3B	Mz	0	4.67
13	MP3C	Y	0	.33
14	MP3C	My	Ŏ	.33



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mz	0	.33
16	MP3C	Y	0	4.67
17	MP3C	My	0	4.67
18	MP3C	Mz	0	4.67
19	MP3A	Y	0	.33
20	MP3A	My	0	.33
21	MP3A	Mz	0	.33
22	MP3A	Y	0	4.67
23	MP3A	My	0	4.67
24	MP3A	Mz	0	4.67
25	MP3B	Y	0	.33
26	MP3B	My	0	.33
27	MP3B	Mz	0	.33
28	MP3B	Y	0	4.67
29	MP3B	My	0	4.67
30	MP3B	Mz	0	4.67
31	MP3C	Y	0	.33
32	MP3C	Mv	0	.33
33	MP3C	Mz	0	.33
34	MP3C	Y	0	4.67
35	MP3C	My	0	4.67
36	MP3C	Mz	0	4.67
37	MP4A	Y	0	.33
38	MP4A	My	0	.33
39	MP4A	Mz	0	.33
40	MP4A	Y	0	4.67
40	MP4A	My	0	4.67
42	MP4A	Mz	0	4.67
43	MP4B	Y	0	.33
44	MP4B	My	0	.33
44	MP4B	Mz	0	.33
46	MP4B	Y	0	4.67
40	MP4B MP4B	My	0	4.67
48	MP4B MP4B	Mz	0	4.67
	MP40 MP4C	Y	0	.33
49	MP4C	My	0	.33
50	MP4C	Mz	0	.33
51	MP4C MP4C	Y	0	4.67
52	MP4C MP4C	My	0	4.67
53	MP4C MP4C	Mz	0	4.67
54		Y	0	1.33
55	MP1A	My	0	1.33
56	MP1A MP1A	Mz	0	1.33
57	MP1A MP1A	Y	0	3.33
58	MP1A	My	0	3.33
59	MP1A	Mz	0	3.33
60	MP1A	Y	0	1.33
61	MP1B		0	1.33
62	MP1B	My	0	1.33
63	MP1B	Mz	0	3.33
64	MP1B	Y NAV	0	3.33
65	MP1B	My	0	3.33
66	MP1B	Mz	0	1.33
67	MP1C	Y		1.33
68	MP1C	My	0	1.33
69	MP1C	Mz	0	3.33
70	MP1C	Y	0	3.33
71	MP1C	My	0	3.33

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP1C	Mz	0	3.33
73	MP4A	Y	0	2.5
74	MP4A	My	0	2.5
75	MP4A	Mz	0	2.5
76	MP4B	Y	Ō	2.5
77	MP4B	My	Ō	2.5
78	MP4B	Mz	0	2.5
79	MP4C	Y	0	2.5
80	MP4C	Mv	0	2.5
81	MP4C	Mz	0	2.5
82	MP3A	Y	0	2.5
83	MP3A	My	0	2.5
84	MP3A	Mz	0	2.5
85	MP3B	Y	0	2.5
86	MP3B	My	0	2.5
87	MP3B	Mz	0	2.5
88	MP3C	Y	0	2.5
89	MP3C	My	0	2.5
90	MP3C	Mz	ŏ	2.5
91	M100	Y	0	
92	M100	My	0	1
93	M100	Mz	0	1
94	M98	Y	0	1
95	M98	My	0	1
96	M98	Mz	0	1
97	M108	Y	0	6
98	M108	My	0	6
99	M108	Mz	0	6
100	M108	Y	0	6
101	M108	My	0	6
102	M108	Mz	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Z	6	.33
2	MP3A	Mx	0003	.33
3	MP3A	Z	6	4.67
4	MP3A	Mx	0003	4.67
5	MP3B	Z	6	.33
6	MP3B	Mx	.00054	.33
7	MP3B	7	6	4.67
8	MP3B	Mx	.00054	4.67
9	MP3C	Z	6	.33
10	MP3C	Mx	00032	.33
11	MP3C	Z	6	4.67
12	MP3C	Mx	00032	4.67
13	MP3A	Z	6	.33
14	MP3A	Mx	.0003	.33
15	MP3A	Z	6	4.67
16	MP3A	Mx	.0003	4.67
17	MP3B	7	6	.33
18	MP3B	Mx	.00024	.33
19	MP3B	Z	6	4.67
20	MP3B	Mx	.00024	4.67
21	MP3C	Z	6	.33
22	MP3C	Mx	000525	.33



	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
23	MP3C	Z	6	4.67
24	MP3C	Mx	000525	4.67
25	MP4A	Z	689	.33
26	MP4A	Mx	0	.33
27	MP4A	Z	689	4.67
28	MP4A	Mx	0	4.67
29	MP4B	Z	689	.33
30	MP4B	Mx	.000596	.33
31	MP4B	Z	689	4.67
32	MP4B	Mx	.000596	4.67
33	MP4C	Z	689	.33
34	MP4C	Mx	000647	.33
35	MP4C	Z	689	4.67
36	MP4C	Mx	000647	4.67
37	MP1A	Z	-1.306	1.33
38	MP1A	Mx	0	1.33
39	MP1A	Z	-1.306	3.33
40	MP1A	Mx	0	3.33
41	MP1B	Z	-1.306	1.33
42	MP1B	Mx	.000566	1.33
43	MP1B	Z	-1.306	3.33
44	MP1B	Mx	.000566	3.33
45	MP1C	Z	-1.306	1.33
46	MP1C	Mx	000614	1.33
47	MP1C	Z	-1.306	3.33
48	MP1C	Mx	000614	3.33
49	MP4A	Z	-2.532	2.5
50	MP4A	Mx	0	2.5
51	MP4B	Z	-2.532	2.5
52	MP4B	Mx	000731	2.5
53	MP4C	Z	-2.532	2.5
54	MP4C	Mx	.000793	2.5
55	MP3A	Z	-2.109	2.5
56	MP3A	Mx	0	2.5
57	MP3B	Z	-2.109	2.5
58	MP3B	Mx	000609	2.5
59	MP3C	Z	-2.109	2.5
60	MP3C	Mx	.000661	2.5
61	M100	Z	-1.32	1
62	M100	Mx	0	1
63	M98	Z	-1.32	1
64	M98	Mx	0	1
65	M108	Z	528	6
66	M108	Mx	0	6
67	M108	Z	528	6
68	M108	Mx	0	6

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.6	.33
2	MP3A	Mx	00045	.33
2	MP3A	X	.6	4.67
3	MP3A	Mx	00045	4.67
5	MP3B	X	.6	.33
6	MP3B	Mx	-3.5e-5	.33
7	MP3B	X	.6	4.67



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

8	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B MP3C	Mx	-3.5e-5	4.67
10		X	.6	.33
11	MP3C MP3C	Mx	.000436	.33
12		X	.6	4.67
13	MP3C	Mx	.000436	4.67
	MP3A	X	.6	.33
14	MP3A	Mx	00045	.33
15	MP3A	X	.6	4.67
16	MP3A	Mx	00045	4.67
17	MP3B	X	.6	.33
18	MP3B	Mx	.000485	.33
19	MP3B	X	.6	4.67
20	MP3B	Mx	.000485	4.67
21	MP3C	X	.6	.33
22	MP3C	Mx	000128	.33
23	MP3C	X	.6	4.67
24	MP3C	Mx	000128	4.67
25	MP4A	X	.689	.33
26	MP4A	Mx	000689	.33
27	MP4A	X	.689	4.67
28	MP4A	Mx	000689	4.67
29	MP4B	X	.689	.33
30	MP4B	Mx	.000344	.33
31	MP4B	X	.689	4.67
32	MP4B	Mx	.000344	4.67
33	MP4C	X	.689	.33
34	MP4C	Mx	.000235	.33
35	MP4C	X	.689	4.67
36	MP4C	Mx	.000235	4.67
37	MP1A	X	1.306	1.33
38	MP1A	Mx	000653	1.33
39	MP1A	X	1.306	3.33
40	MP1A	Mx	000653	3.33
41	MP1B	X	1.306	1.33
42	MP1B	Mx	.000327	1.33
43	MP1B	X	1.306	3.33
44	MP1B	Mx	.000327	3.33
45	MP1C	X	1.306	1.33
46	MP1C	Mx	.000223	1.33
47	MP1C	X	1.306	3.33
48	MP1C	Mx	.000223	3.33
49	MP4A	X	2.532	2.5
50	MP4A	Mx	.000844	2.5
51	MP4B	X	2.532	2.5
52	MP4B	Mx	000422	2.5
53	MP4C	X	2.532	2.5
54	MP4C	Mx	000289	2.5
55	MP3A	X	2.109	2.5
56	MP3A	Mx	.000703	2.5
57	MP3B	X	2.109	2.5
58	MP3B	Mx	000352	2.5
59	MP3C	X	2.109	2.5
60	MP3C	Mx	00024	2.5
61	M100	X	1.32	1
52	M100	Mx	0	1
33	M98	X	1.32	1
64	M98	Mx	0	1

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

	MarthesLobel	Direction	Magnitude[lb,k-ft]	Location[ft,%]
CE	Member Label M108	X	.528	6
65 66 67	M108	Mx	-8.8e-5	6
67	M108	X	.528	6
68	M108	Mx	8.8e-5	6

## Joint Loads and Enforced Displacements

Joint Label	L,D,M	Direction	Magnitude[(lb,k-ft), (in,rad), (lb*s^2/
Joint Labor	No Data to Print		

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

Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F.	. Start Location[ft.%]	End Location[ft.%
1 M20	Y	-6.548	-6.548	0	%100 %100
2 M32	Y	-6.548	-6.548	0	
3 M33A	Y	-6.548	-6.548	0	%100
4 MP1A	Y	-4.965	-4.965	0	%100
5 MP3A	Y	-5.669	-5.669	0	%100
6 MP4A	Y	-4.965	-4.965	0	%100
7 M72A	Y	-9.584	-9.584	0	%100
8 M73	Y	-7.594	-7.594	0	%100
9 M74	Y	-7.594	-7.594	0	%100
10 M75	Y	-10.097	-10.097	0	%100
11 M78	Ý	-5.603	-5.603	0	%100
12 M79	Y	-5.603	-5.603	0	%100
13 M84	Ý	-10.097	-10.097	0	%100
14 M85	Y	-10.097	-10.097	0	%100
15 M87A	Ý	-10.097	-10.097	0	%100
16 M89A	Y	-10.097	-10.097	0	%100
	Y	-10.097	-10.097	0	%100
17 <u>M90A</u> 18 <u>M92</u>	Y	-10.097	-10.097	0	%100
	Y	-9.584	-9.584	0	%100
	Y	-7.594	-7.594	0	%100
	Y	-7.594	-7.594	0	%100
	Y	-10.097	-10.097	0	%100
	Y	-5.603	-5.603	0	%100
23 M56	Ý	-5.603	-5.603	0	%100
24 M57	Y	-10.097	-10.097	0	%100
25 M62	Y	-10.097	-10.097	0	%100
26 M63	Y	-10.097	-10.097	0	%100
27 M65	Y	-10.097	-10.097	0	%100
28 M67	Y	-10.097	-10.097	0	%100
29 M68	Y	-10.097	-10.097	0	%100
30 M70	Y	-10.097 -9.584	-9.584	0	%100
31 M72		-7.594	-7.594	Ő	%100
32 M73A	Y	-7.594	-7.594	0	%100
33 M74A	Y	-10.097	-10.097	Ő	%100
34 M75A	Y	-10.097 -5.603	-5.603	0	%100
35 M78A	Y	-5.603	-5.603	0	%100
36 M79A	Y		-10.097	0	%100
37 M84A	Y	-10.097	-10.097	0	%100
38 M85A	Y	-10.097	-10.097	0	%100
39 M87	Y	-10.097	-10.097	0	%100
40 M89	Y	-10.097	-10.097	0	%100
41 M90	Y	-10.097	-10.097	0	%100
42 M92A	Y	-10.097	-4.965	0	%100
43 MP2A	Y	-4.965	-4.900	0	/0100

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



## 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,%]
44	MP1C	Y	-4.965	-4.965	0	%100
45	MP4C	Y	-4.965	-4.965	0	%100
46	MP2C	Y	-4.965	-4.965	0	%100
47	MP1B	Y	-4.965	-4.965	0	%100
48	MP4B	Y	-4.965	-4.965	0	%100
49	MP2B	Y	-4.965	-4.965	0	%100
50	M94	Y	-9,584	-9.584	0	%100
51	M95	Y	-9.584	-9,584	0	%100
52	M96	Y	-9.584	-9.584	0	%100
53	M98	Y	-4.965	-4.965	0	%100
54	M100	Ý	-4.965	-4.965	0	
55	M101	Ý	-5.669	-5.669	0	<u>%100</u>
56	M108	Y	-5.669	-5.669	0	%100
57	M115	Ý	-5.669	-5.669	0	%100
58	M122	V	-7.594			<u>%100</u>
59	M123	V	-7.594	-7.594	0	%100
60	M124	V V		-7.594	0	%100
61	M125	V	-7.594	-7.594	0	%100
62	M126	V	-10.595	-10.595	0	%100
63	M120	Y V	-10.595	-10.595	0	%100
64	MP3C	Y	-10.595	-10.595	0	%100
65		Y V	-5.669	-5.669	0	%100
00	MP3B	Y	-5.669	-5.669	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	M20	X	0	0	0	%100
2	M20	Z	-3.546	-3.546	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	-14.186	-14.186	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	-3.546	-3.546	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-9.97	-9.97	Ő	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-12.068	-12.068	0	%100
11	MP4A	X	0	0	0	%100
12	MP4A	Z	-9.97	-9.97	Ū Ū	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	-11.205	-11.205	Ő	%100
15	M73	X	0	0	0	%100
16	M73	Z	-3.903	-3.903	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	-3.903	-3.903	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	-6.297	-6.297	Ö	%100
21	M78	X	0	0	0	%100
22	M78	Z	-3.428	-3.428	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	-13.713	-13.713	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	-19.006	-19.006	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	-25.653	-25.653	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	-26.586	-26,586	0	%100
31	M89A	X	0	0	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft.F.	Start Location[ft,%]	End Location[ft,%
32	M89A	Z	-19.006	-19.006	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	-6.413	-6.413	0	%100
35	M92	X	0	0	0	%100
	M92	Z	-6.646	-6.646	0	%100
36	M50A	X	0	0	0	%100
37		Z	-11.205	-11.205	0	%100
38	M50A	X	0	0	0	%100
39	M51A	Z	-3.903	-3.903	0	%100
40	M51A	X	0	0	0	%100
41	M52	Z	-3.903	-3.903	0	%100
42	M52	X	0	0	0	%100
43	M53A	Z	-6.297	-6.297	0	%100
44	M53A		0	0	0	%100
45	M56	X 7	-13.711	-13.711	0	%100
46	M56	<u>Z</u>	0	0	0	%100
47	M57	X	-3.428	-3.428	0	%100
48	M57	Z		-3.420	0	%100
49	M62	X	0	-19.006	0	%100
50	M62	<u>Z</u>	-19.006	0	0	%100
51	M63	X	0	-6.413	0	%100
52	M63	Z	-6.413		0	%100
53	M65	X	0	0	0	%100
54	M65	Z	-6.646	-6.646	0	%100
55	M67	X	0	0		%100
56	M67	Z	-19.006	-19.006	0	%100
57	M68	x X	0	0	0	%100
58	M68	Z	-25.653	-25.653	0	
59	M70	X	0	0	0	%100
60	M70	Z	-26.586	-26.586	0	%100
61	M72	X	00	0	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	-15.61	-15.61	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	-15.61	-15.61	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	-25.186	-25.186	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	-3.428	-3.428	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	-3.428	-3.428	0	%100
	M84A	X	0	0	0	%100
73 74	M84A	Z	0	0	0	%100
75	M85A	X	0	0	0	%100
	M85A	Z	-6.413	-6.413	0	%100
76	M85A M87	X	0	0	0	%100
77		Z	-6.646	-6.646	0	%100
78	M87	X	0	0	0	%100
79	M89	Z	0	0	0	%100
80	M89	X	0	0	0	%100
81	M90		-6.413	-6.413	0	%100
82	M90	Z	-0.413	-0.415	0	%100
83	M92A	<u> </u>		-6.646	0	%100
84	M92A	Z	-6.646	-0.040	0	%100
85	MP2A	X	0		0	%100
86	MP2A	Z	-9.97	-9.97		%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-9.97	-9.97	0	70100

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

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

Page 93



### 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,%]
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-9.97	-9.97	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-9.97	-9.97	0	%100
93	MP1B	X	0	0	Ó	%100
94	MP1B	Z	-9.97	-9.97	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-9.97	-9.97	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-9.97	-9.97	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	-9.124	-9.124	0	%100
101	M95	X	0	0	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	-9,124	-9.124	0	%100
105	M98	X	0	0	0	%100
106	M98	Z	-8.153	-8.153	0	%100
107	M100	X	0	0	0	%100
108	M100	Z	-8.153	-8.153	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	-12.068	-12.068	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	-3.017	-3.017	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	-3.017	-3.017	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-3.958	-3.958	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	-15.833	-15.833	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	-3.958	-3.958	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	-13.815	-13.815	0	%100
123	M126	X	0	0	0	%100
124	M126	Z	-18.679	-18.679	Ō	%100
125	M127	X	0	0	0	%100
126	M127	Z	-18.679	-18.679	Ő	%100
127	MP3C	X	0	0	0	%100
128	MP3C	Z	-12.068	-12.068	0	%100
129	MP3B	X	0	0	0	%100
130	MP3B	Z	-12.068	-12.068	Ő	%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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	5.32	5.32	0	%100
4	M32	Z	-9.214	-9.214	0	%100
5	M33A	X	5.32	5.32	0	%100
6	M33A	Z	-9.214	-9.214	0	%100
7	MP1A	X	4.985	4,985	0	%100
8	MP1A	Z	-8.634	-8.634	0	%100
9	MP3A	X	6.034	6.034	0	%100
10	MP3A	Z	-10.452	-10.452	Ő	%100
11	MP4A	X	4.985	4.985	0	%100



Member Distributed Loads (BLC 42	Structure Wo	(30 Deg)) (Continued)
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	Member Label	Direction		.End Magnitude[lb/ft.F.	Start Location[ft.%]	End Location[ft.%
12	MP4A	Z	-8.634	-8.634	0	%100
13	M72A	X	1.867	1.867	0	%100
14	M72A	Z	-3.235	-3.235	0	%100
15	M73	X	5.854	5.854	0	%100
16	M73	Z	-10.139	-10.139	0	%100
17	M74	X	5.854	5.854	0	%100
8	M74	Z	-10.139	-10.139	0	%100
9	M75	X	9.445	9.445	0	%100
20	M75	Z	-16.359	-16.359	0	%100
21	M78	X	0	0	0	%100
2	M78	Z	0	0	0	%100
23	M79	X	5.142	5.142	0	%100
4	M79	Z	-8.907	-8.907	0	%100
25	M84	X	3.168	3.168	0	%100
26	M84	Z	-5.487	-5.487	0	%100
27	M85	X	9.62	9.62	0	%100
28	M85	Z	-16.662	-16.662	0	%100
9	M87A	X	9.97	9.97	0	%100
80	M87A	Z	-17.268	-17.268	0	%100
1	M89A	X	3.168	3.168	0	%100
2	M89A	Z	-5.487	-5.487	0	%100
	M90A	X	0	0	0	%100
13 14	M90A	Z	0	0	0	%100
5	M92	X	0	0	0	%100
6	M92	Z	0	0	0	%100
57	M50A	X	7.47	7.47	0	%100
8	M50A	Z	-12.938	-12.938	0	%100
9	M51A	X	0	0	0	%100
0	M51A	Z	0	0	0	%100
.1	M51A M52	X	0	0	0	%100
2	M52	Z	0	0	0	%100
	M53A	X	0	0	0	%100
3	M53A	Z	0	0	0	%100
4	M56	X	5.142	5.142	0	%100
	M56	Z	-8.905	-8.905	0	%100
6	M57	X	5.142	5.142	0	%100
7	M57	Z	-8.907	-8.907	0	%100
8	M62	X	12.671	12.671	0	%100
9	M62	Z	-21.947	-21.947	0	%100
0	M63	X	9.62	9.62	0	%100
51		Z	-16.662	-16.662	0	%100
2	M63	X	9.97	9.97	0	%100
3	M65	Z	-17.268	-17.268	0	%100
64	M65	X	12.671	12.671	0	%100
5	M67	Z	-21.947	-21.947	0	%100
6	M67	X	9.62	9.62	0	%100
57	M68	Z	-16.662	-16.662	0	%100
8	M68		9.97	9.97	0	%100
59	M70	X Z	-17.268	-17.268	0	%100
0	M70	X	1.867	1.867	0	%100
51	M72	Z	-3.235	-3.235	0	%100
52	M72		5.854	5.854	0	%100
3	M73A	X	-10.139	-10.139	Ő	%100
64	M73A	<u>Z</u>	5.854	5.854	0	%100
55	M74A	X	-10.139	-10.139	Ő	%100
6	M74A	Z	9.445	9.445	0	%100
57	M75A	X	-16.359	-16.359	0	%100
68	M75A	Z	-10.309	-10.000	U	10100

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

69	Member Label M78A	Direction X	Start Magnitude[lb/ft 5.142	End Magnitude[lb/ft,F	THE PARTY AND	End Location[ft.%
70	M78A	Z	-8.905	5.142	0	%100
71	M79A			-8.905	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	3.168	0	0	%100
74	M84A	Z		3.168	0	%100
75	M85A	X	-5.487	-5.487	0	%100
76	M85A	Z	0	0	0	%100
77	M87		0	0	0	%100
78	M87	X	0	0	0	%100
79	M89	Z X	0	0	0	%100
80	M89	z	3.168	3.168	0	%100
81	M90		-5.487	-5.487	0	%100
82	M90	Z	9.62	9.62	0	%100
83	M92A		-16.662	-16.662	0	%100
84		X	9.97	9.97	0	%100
85	M92A MP2A	Z	-17.268	-17.268	0	%100
		X	4.985	4.985	0	%100
86 87	MP2A MD10	Z	-8.634	-8.634	0	%100
	MP1C	X	4.985	4.985	0	%100
88	MP1C	Z	-8.634	-8.634	0	%100
89 90	MP4C	X	4.985	4.985	0	%100
	MP4C	Z	-8.634	-8.634	0	%100
91	MP2C	X	4.985	4.985	0	%100
92	MP2C	Z	-8.634	-8.634	0	%100
93	MP1B	X	4.985	4.985	0	%100
94	MP1B	Z	-8.634	-8.634	0	%100
95	MP4B	X	4.985	4.985	0	%100
96	MP4B	Z	-8.634	-8.634	0	%100
97	MP2B	X	4.985	4.985	0	%100
98	MP2B	Z	-8.634	-8.634	0	%100
99	M94	X	1.521	1.521	0	%100
00	M94	<u>Z</u>	-2.634	-2.634	0	%100
01	M95	X	1.521	1.521	0	%100
02	M95	Z	-2.634	-2.634	0	%100
03	M96	X	6.083	6.083	0	%100
04	M96	Z	-10.536	-10.536	0	%100
05	M98	X	4.076	4.076	0	%100
06	M98	Z	-7.06	-7.06	0	%100
07	M100	X	4.076	4.076	0	%100
08	M100	Z	-7.06	-7.06	0	%100
09	M101	X	4.526	4.526	0	%100
10	M101	Z	-7.839	-7.839	0	%100
11	M108	X	4.526	4.526	0	%100
12	M108	Z	-7.839	-7.839	0	%100
13	M115	X	0	0	00	%100
14	M115	Z	0	0	0	%100
15	M122	X	5.937	5.937	0	%100
16	M122	Z	-10.284	-10.284	0	%100
17	M123	X	5.937	5.937	0	%100
18	M123	Z	-10.284	-10.284	0	%100
19	M124	X	0	0	0	%100
20	M124	Z	0	0	0	%100
21	M125	X	7.718	7.718	0	%100
22	M125	Z	-13.368	-13.368	0	%100
23	M126	X	7.718	7.718	0	%100
24	M126	Z	-13.368	-13.368	0	%100
25	M127	X	10.15	10.15	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d] Page 96

IRISA	Company Designer Job Number		July 19, 2023 3:04 PM Checked By:
A NEMETSCHER COMPANY	Model Name		

# 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,%]
126	M127	7	-17.581	-17.581	0	%100
120	MP3C	X	6.034	6.034	0	%100
	MP3C	7	-10.452	-10.452	0	%100
128	MP3C MP3B	Y	6.034	6.034	0	%100
129		7	-10.452	-10.452	0	%100
130	MP3B	L	-10.402	10.104		

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

	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft.F.	. Start Location[ft,%]	End Location[ft,%]
1	M20	X	3.071	3.071	0	%100
2	M20	Z	-1.773	-1.773	0	%100
3	M32	X	3.071	3.071	00	%100
4	M32	Z	-1.773	-1.773	0	%100
5	M33A	X	12.285	12.285	0	%100
6	M33A	Z	-7.093	-7.093	0	%100
7	MP1A	x	8.634	8.634	0	%100
8	MP1A	Z	-4.985	-4.985	0	%100
9	MP3A	X	10.452	10.452	0	%100
10	MP3A	Z	-6.034	-6.034	0	%100
11	MP4A	X	8.634	8.634	0	%100
	MP4A MP4A	Z	-4.985	-4.985	0	%100
12		X	0	0	0	%100
13	M72A M72A	Z	Ő	0	0	%100
14	M72A M73	X	13.519	13.519	0	%100
15	M73	Z	-7.805	-7.805	0	%100
16		X	13.519	13.519	0	%100
17	M74	Z	-7.805	-7.805	0	%100
18	M74	X	21.812	21.812	0	%100
19	M75		-12.593	-12.593	0	%100
20	M75	Z	2.968	2.968	0	%100
21	M78	X	-1.714	-1.714	Ő	%100
22	M78	Z	2.969	2.969	0	%100
23	M79	X		-1.714	Ö	%100
24	M79	<u>Z</u>	-1.714	0	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	0	5.554	0	%100
27	M85	X	5.554		0	%100
28	M85	Z	-3.207	-3.207	0	%100
29	M87A	X	5.756	5.756	0	%100
30	M87A	Z	-3.323	-3.323	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	5.554	5.554		%100
34	M90A	Z	-3.207	-3.207	0	%100
35	M92	X	5.756	5.756	0	%100
36	M92	Z	-3.323	-3.323	0	%100
37	M50A	X	9.704	9.704	0	%100
38	M50A	Z	-5.602	-5.602	0	%100
39	M51A	X	3.38	3.38	0	%100
40	M51A	Z	-1.951	-1.951	0	%100
41	M52	X	3.38	3.38	0	%100
42	M52	Z	-1.951	-1.951	0	%100
43	M53A	X	5.453	5.453	0	%100
44	M53A	Z	-3.148	-3.148	0	%100
45	M56	X	2.968	2.968	0	%100
46	M56	Z	-1.714	-1.714	0	%100
40	M57	x	11.876	11.876	0	%100
48	M57	7	-6.856	-6.856	0	%100

Page 97



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

49	Member Label M62	Direction X	Start Magnitude[lb/ft, 16.46	.End Magnitude[lb/ft,F.		End Location[ft,%
50	M62	Ż	-9.503	<u>16.46</u> -9.503	0	%100
51	M63	X	22.216		0	%100
52	M63	Z	-12.826	22.216	0	%100
53	M65	X	23.024	-12.826	0	%100
54	M65	7	-13.293	23.024	0	%100
55	M67	X	16.46	-13.293	0	%100
56	M67	Z	-9,503	16.46	0	%100
57	M68	X		-9.503	0	%100
58	M68	Z	5.554	5.554	0	%100
59	M70		-3.207	-3.207	0	%100
60	M70	X Z	5.756	5.756	0	%100
61	M70		-3.323	-3.323	0	%100
62	M72	X	9.704	9.704	0	%100
		Z	-5.602	-5.602	0	%100
63 64	M73A	<u> </u>	3.38	3.38	0	%100
	M73A	Z	-1.951	-1.951	0	%100
65	M74A	X	3.38	3.38	0	%100
66	M74A	Z	-1.951	-1.951	0	%100
67	M75A	X	5.453	5.453	0	%100
68	M75A	Z	-3.148	-3.148	0	%100
69	M78A	X	11.874	11.874	0	%100
70	M78A	Z	-6.855	-6.855	0	%100
71	M79A	X	2.969	2.969	0	%100
72	M79A	Z	-1.714	-1.714	0	%100
73	M84A	X	16.46	16.46	0	%100
74	M84A	Z	-9.503	-9.503	0	%100
75	M85A	X	5.554	5.554	0	%100
76	M85A	Z	-3.207	-3.207	0	%100
77	M87	X	5.756	5.756	0	%100
78	M87	Z	-3.323	-3.323	0	%100
79	M89	X	16.46	16.46	0	%100
80	M89	Z	-9.503	-9.503	0	%100
81	M90	X	22.216	22.216	0	%100
82	M90	Z	-12.826	-12.826	0	%100
83	M92A	X	23.024	23.024	0	%100
84	M92A	Z	-13.293	-13.293	Ő	%100
85	MP2A	X	8.634	8.634	0	%100
86	MP2A	Z	-4.985	-4.985	0	%100
87	MP1C	X	8.634	8.634	0	%100
88	MP1C	Z	-4.985	-4.985	0	%100
89	MP4C	X	8.634	8.634	0	%100
90	MP4C	Z	-4.985	-4.985	0	%100
91	MP2C	X	8.634	8.634	0	%100
92	MP2C	Z	-4.985	-4.985	0	%100
93	MP1B	X	8.634	8.634	0	%100
94	MP1B	Z	-4.985	-4.985	0	%100
95	MP4B	X	8.634	8.634	0	%100
96	MP4B	Z	-4.985	-4.985	0	%100
97	MP2B	X	8.634	8.634	0	
98	MP2B	Z	-4.985	-4.985	0	%100
99	M94	X	0	-4.965	0	%100
00	M94	Z	0	0		%100
01	M95	X	7.902	7.902	0	%100
102	M95	Z	-4.562		0	%100
03	M96	X		-4.562	0	%100
103	M96	Z	7.902	7.902	0	%100
05	M98	X	-4.562	-4.562	0	%100
.00	1000	A	7.06	7.06	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

Page 98

IRISA	Company Designer Job Number	July 19, 2023 3:04 PM Checked By:
A NEWETSCHER COMPANY	Model Name	

	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft.F.	. Start Location[ft.%]	End Location[ft.%]
100	M98	7	-4.076	-4.076	0	%100
106	M100	X	7.06	7.06	0	%100
107	and the second sec	Z	-4.076	-4.076	0	%100
108	M100	X	2.613	2.613	0	%100
109	M101	Z	-1.509	-1.509	0	%100
110	M101	X	10.452	10.452	0	%100
111	M108	7	-6.034	-6.034	0	%100
112	M108		2.613	2.613	0	%100
113	M115	X		-1.509	0	%100
114	M115	Z	-1.509	13.712	0	%100
115	M122	X	13.712		0	%100
116	M122	Z	-7.916	-7.916	0	%100
117	M123	X	3.428	3.428	0	%100
118	M123	Z	-1.979	-1.979	0	%100
119	M124	X	3.428	3.428		%100
120	M124	Z	-1.979	-1.979	0	%100
121	M125	X	16.177	16.177	0	
122	M125	Z	-9.34	-9.34	0	%100
123	M126	X	11.964	11.964	0	%100
124	M126	Z	-6.907	-6.907	0	%100
125	M127	X	16.177	16.177	0	%100
126	M127	Z	-9.34	-9.34	0	%100
127	MP3C	X	10.452	10.452	0	%100
	MP3C MP3C	Z	-6.034	-6.034	0	%100
128	MP3B	X	10.452	10.452	0	%100
129 130	MP3B MP3B	Z	-6.034	-6.034	0	%100

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

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

in critic	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
4	Member Laber M20	X	10.639	10.639	0	%100
1	M20	Z	0	0	0	%100
2		X	0	0	0	%100
3	M32	Z	0	0	0	%100
4	M32	X	10.639	10.639	0	%100
5	M33A	Z	0	0	0	%100
6	M33A		9.97	9.97	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	the second	12.068	0	%100
9	MP3A	X	12.068	0	0	%100
10	MP3A	Z	0	9.97	0	%100
11	MP4A	X	9.97	0	0	%100
12	MP4A	Z	0		0	%100
13	M72A	X	3.735	3.735	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	11.708	11.708		%100
16	M73	Ζ	0	0	0	%100
17	M74	X	11.708	11.708	0	
18	M74	Z	0	0	0	%100
19	M75	X	18.89	18.89	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	10.283	10.283	00	%100
22	M78	Z	0	0	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	0	0	0	%100
	M84	X	6.335	6.335	0	%100
25	M84	Z	0	0	0	%100
26	and the same of the Antipal states	X	0	0	0	%100
27	M85	7	0	0	0	%100
28	M85	4	0	0	0	



2

July 19, 2023 3:04 PM Checked By:\_\_\_\_

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

29	Member Label M87A	Direction		End Magnitude[Ib/ft,F.		End Location[ft,%]
30	M87A	X 7	0	0	0	%100
31	M89A	Z	0	0	0	%100
32	M89A	X	6.335	6.335	0	%100
33	M90A	Z	0	0	0	%100
34	M90A	Z	19.24	19.24	0	%100
35	M90A M92		0	0	0	%100
		X	19.939	19.939	0	%100
36 37	M92	Z	0	0	0	%100
38	M50A	X	3.735	3.735	0	%100
	M50A	Z	0	0	0	%100
39	M51A	<u> </u>	11.708	11.708	0	%100
40	M51A	Z	0	0	0	%100
41	M52	<u> </u>	11.708	11.708	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	18.89	18.89	00	%100
44	M53A	Z	0	0	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	0	0	0	%100
47	M57	<u> </u>	10.285	10.285	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	6.335	6.335	0	%100
50	M62	Z	0	Q	0	%100
51	M63	X	19.24	19.24	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	19.939	19.939	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	6.335	6.335	0	%100
56	M67	<u>Z</u>	0	0	00	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	0	0	0	%100
61	M72	X	14.94	14.94	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	0	0	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	0	0	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	0	0	0	%100
69	M78A	X	10.283	10.283	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	10.284	10.284	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	25.342	25.342	0	%100
74	M84A	Z	0	0	0	%100
75	<u>M85A</u>	X	19.24	19.24	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	19.939	19.939	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	25.342	25.342	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	19.24	19.24	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	19.939	19.939	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	9.97	9.97	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction_	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F.	. Start Location[ft,%]	End Location[ft.%
86	MP2A	Z	0	0	0	%100
87	MP1C	X	9.97	9.97	0	%100
88	MP1C	Z	0	0	0	%100
89	MP4C	X	9.97	9.97	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	9.97	9.97	0	%100
92	MP2C	Z	0	0	0	%100
92	MP1B	X	9.97	9.97	0	%100
93	MP1B	Z	0	0	0	%100
94 95	MP4B	X	9.97	9.97	0	%100
	MP4B MP4B	Z	0	0	0	%100
96	MP4B MP2B	X	9.97	9.97	0	%100
97	MP2B	Z	0.0.	0	0	%100
98	M94	X	3.041	3.041	0	%100
99	M94	Z	0	0.011	0	%100
100	M94	X	12.166	12.166	0	%100
01	M95	Z	0	0	Ő	%100
02	M95	X	3.041	3.041	0	%100
103	M96	Z	0	0	0	%100
104	M96		8.153	8.153	0	%100
105	M98	X	0	0.100	Ő	%100
106	M98	Z	8.153	8.153	0	%100
107	M100	X	0	0	Ö	%100
108	M100	Z		0	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	9.051	9.051	0	%100
111	M108	<u> </u>		0	0	%100
12	M108	Z	0	9.051	0	%100
113	M115	X	9.051	9.051	0	%100
114	M115	Z	0	11.875	0	%100
115	M122	X	11.875	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	%100
18	M123	Z	0	11.875	0	%100
119	M124	X	11.875		0	%100
120	M124	Z	0	0 20.301	0	%100
21	M125	X	20.301		0	%100
122	M125	Z	0	0	0	%100
123	M126	X	15.436	15.436		%100
124	M126	Z	0	0	0	%100
125	M127	X	15.436	15.436	0	%100
126	M127	Z	0	0	0	
127	MP3C	X	12.068	12.068	0	%100
128	MP3C	Z	0	0	0	%100
129	MP3B	X	12.068	12.068	0	%100
130	MP3B	Z	0	0	0	%100

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

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

	Member Label	Direction	Start MagnitudeIIb/ft.	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	Member Laber M20	X	12.285	12.285	0	%100
2	M20	7	7.093	7.093	0	%100
2	M32	X	3.071	3.071	0	%100
4	M32	7	1.773	1.773	0	%100
	M33A	X	3.071	3.071	0	%100
5	M33A	7	1.773	1.773	0	%100
7	MP1A	X	8.634	8.634	0	%100
8	MP1A MP1A	Z	4.985	4.985	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
9	MP3A	X	10.452	10.452	0	%100
10	MP3A	Z	6.034	6.034	0	%100
11	MP4A	X	8.634	8.634	0	%100
12	MP4A	Z	4.985	4.985	0	%100
13	M72A	X	9.704	9.704	0	%100
14	M72A	Z	5.602	5.602	0	%100
15	M73	X	3.38	3.38	0	%100
16	M73	Z	1.951	1.951	0	%100
17	M74	X	3.38	3.38	0	%100
18	M74	Z	1.951	1.951	0	%100
19	M75	X	5.453	5.453	0	%100
20	M75	Z	3.148	3.148	0	%100
21	M78	X	11.874	11.874	0	%100
22	M78	Z	6.855	6.855	0	%100
23	M79	X	2.969	2.969	0	%100
24	M79	Z	1.714	1.714	0	%100
25	M84	X	16.46	16.46	0	%100
26	M84	Z	9.503	9.503	0	%100
27	M85	X	5.554	5.554	0	%100
28	M85	Z	3.207	3.207	0	%100
29	M87A	X	5.756	5.756	0	%100
30	M87A	Z	3.323	3.323	0	%100
31	M89A	X	16.46	16.46	0	%100
32	M89A	Z	9.503	9.503	0	%100
33	M90A	X	22.216	22.216	0	%100
34	M90A	Z	12.826	12.826	0	%100
35	M92	X	23.024	23.024	0	%100
36	M92	<u>Z</u>	13.293	13.293	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	13.519	13.519	0	%100
40	M51A	Z	7.805	7.805	0	%100
41	M52	X	13.519	13.519	0	%100
42	M52	Z	7.805	7.805	0	%100
43	M53A	X	21.812	21.812	0	%100
44	M53A	Ζ	12.593	12.593	0	%100
45	M56	X	2.968	2.968	0	%100
46	M56	Z	1.714	1.714	0	%100
47	M57	X	2.969	2.969	0	%100
48	M57	Z	1.714	1.714	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	5.554	5.554	0	%100
52	M63	Z	3.207	3.207	0	%100
53	M65	X	5.756	5.756	0	%100
54	M65	Z	3.323	3.323	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	5.554	5.554	0	%100
58	M68	Z	3.207	3.207	0	%100
59	M70	X	5.756	5.756	0	%100
60	M70	Z	3.323	3.323	0	%100
61	M72	X	9.704	9.704	0	%100
62	M72	Z	5.602	5.602	0	%100
63	M73A	X	3.38	3.38	0	%100
64	M73A	Z	1.951	1.951	0	%100
65	M74A	X				

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

Page 102



Member Distributed Loads (BLC 45 : Structure	Wo	(120 Deg))	(Continued)
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	Member Label	Direction		End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
66	M74A	Z	1.951	1.951	0	%100
67	M75A	X	5.453	5.453	0	%100
68	M75A	Z	3.148	3.148	0	%100
69	M78A	X	2.968	2.968	0	%100
70	M78A	Z	1.714	1.714	0	%100
71	M79A	X	11.876	11.876	0	%100
72	M79A	Z	6.856	6.856	0	%100
73	M84A	X	16.46	16.46	0	%100
74	M84A	Z	9.503	9.503	0	%100
75	M85A	X	22.216	22.216	0	%100
76	M85A	Z	12.826	12.826		%100
77	M87	X	23.024	23.024	0	%100
78	M87	Z	13.293	13.293	0	%100
79	M89	X	16.46	16.46	0	%100
80	M89	Z	9.503	9.503	0	%100
81	M90	X	5.554	5.554	0	%100
82	M90	Z	3.207	3.207	0	%100
83	M92A	X	5.756	5.756	0	%100
84	M92A	Z	3.323	3.323	0	%100
85	MP2A	X	8.634	8.634	0	%100
86	MP2A	Z	4.985	4.985	0	%100
87	MP1C	X	8.634	8.634	0	%100
88	MP1C	Z	4.985	4.985	0	%100
89	MP4C	X	8.634	8.634	0	%100
90	MP4C	Z	4.985	4.985	0	%100
91	MP2C	X	8.634	8.634	0	%100
92	MP2C	Z	4.985	4.985	0	%100
93	MP1B	X	8.634	8.634	0	%100
94	MP1B	Z	4.985	4.985	0	%100
95	MP4B	X	8.634	8.634	0	%100
96	MP4B	Z	4.985	4.985	0	%100
97	MP2B	X	8.634	8.634	0	%100
98	MP2B	Z	4.985	4.985	0	%100
99	M94	X	7.902	7.902	0	%100
100	M94	Z	4.562	4.562	0	%100
101	M95	X	7.902	7.902	0	%100
102	M95	Z	4.562	4.562	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	7.06	7.06	0	%100
106	M98	Z	4.076	4.076	0	%100
107	M100	X	7.06	7.06	0	%100
108	M100	Z	4.076	4.076	0	%100
109	M101	X	2.613	2.613	0	%100
110	M101	Z	1.509	1.509	0	%100
111	M108	X	2.613	2.613	0	%100
112	M108	Z	1.509	1.509	0	%100
113	M115	X	10.452	10.452	0	%100
114	M115	Z	6.034	6.034	0	%100
115	M122	X	3.428	3.428	0	%100
116	M122	Z	1.979	1.979	0	%100
117	M123	X	3.428	3.428	0	%100
118	M123	Z	1.979	1.979	0	%100
119	M124	X	13.712	13.712	0	%100
120	M124	Z	7.916	7.916	0	%100
120	M125	X	16.177	16.177	0	%100
-161	M125	Z	9.34	9.34	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

Page 103

A NEMETSCHER COMPANY		July 19, 2023 3:04 PM Checked By:
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## Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
123	M126	X	16,177	16.177	0	%100
124	M126	Z	9.34	9.34	0	%100
125	M127	X	11.964	11.964	0	%100
126	M127	Z	6.907	6.907	0	%100
127	MP3C	X	10.452	10.452	0	%100
128	MP3C	Z	6.034	6.034	0	%100
129	MP3B	X	10.452	10.452	0	%100
130	MP3B	Z	6.034	6.034	Ő	%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	M20	X	5.32	5.32	0	%100
2	M20	Z	9.214	9.214	0	%100
3	M32	X	5.32	5.32	0	%100
4	M32	Z	9.214	9.214	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	4.985	4.985	0	%100
8	MP1A	Z	8.634	8.634	0	%100
9	MP3A	X	6.034	6.034	0	%100
10	MP3A	Z	10.452	10.452	Õ	%100
11	MP4A	X	4.985	4.985	0	%100
12	MP4A	Z	8.634	8.634	0	%100
13	M72A	X	7.47	7.47	0	%100
14	M72A	Z	12.938	12.938	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	0	0	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	0	0	Ő	%100
21	M78	X	5.142	5.142	0	%100
22	M78	Z	8.905	8.905	0	%100
23	M79	X	5.142	5.142	0	%100
24	M79	Z	8.907	8.907	0	%100
25	M84	X	12.671	12.671	0	%100
26	M84	Z	21.947	21.947	0	%100
27	M85	X	9.62	9.62	0	%100
28	M85	Z	16.662	16.662	0	%100
29	M87A	X	9.97	9.97	0	%100
30	M87A	Z	17.268	17.268	0	%100
31	M89A	X	12.671	12.671	0	%100
32	M89A	Z	21.947	21.947	0	%100
33	M90A	X	9.62	9.62	0	%100
34	M90A	Z	16.662	16.662	0	%100
35	M92	X	9.97	9.97	0	%100
36	M92	Z	17.268	17.268	0	%100
37	M50A	X	1.867	1.867	0	%100
38	M50A	Z	3.235	3.235	0	%100
39	M51A	X	5.854	5.854	0	
40	M51A	Z	10.139	10.139	0	%100
41	M52	X	5.854	5.854	0	%100
42	M52	Z	10.139	10.139		%100
43	M53A	X	9.445	9.445	0	%100
44	M53A	z	16.359		0	%100
45	M56	X	5.142	16.359	0	%100
10	10100	<b>^</b>	J. 14Z	5.142	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continue	: Structure Wo (150 Deg)) (Continued)	Vember Distributed Loads (BLC 46
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	Member Label	Direction		End Magnitude[lb/ft.F		End Location[ft,% %100
46	M56	Z	8.905	8.905	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	3.168	3.168	0	%100
50	M62	Z	5.487	5.487	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	
53	M65	X	0	0	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	3.168	3.168	0	<u>%100</u> %100
56	M67	Z	5.487	5.487	0	%100
57	M68	X	9.62	9.62	0	%100
58	M68	Z	16.662	16.662	0	
59	M70	X	9.97	9.97	0	%100
60	M70	Z	17.268	17.268	0	%100
61	M72	X	1.867	1.867	0	%100
62	M72	Z	3.235	3.235	0	%100
63	M73A	X	5.854	5.854	0	%100
64	M73A	Z	10.139	10.139	0	%100 %100
65	M74A	X	5.854	5.854	0	%100
66	M74A	Z	10.139	10.139	0	%100
67	M75A	X	9.445	9.445	0	%100
68	M75A	Z	16.359	16.359	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	5.142	5.142	0	%100
72	M79A	Z	8.907	8.907	0	%100
73	M84A	X	3.168	3.168	0	%100
74	M84A	Z	5.487	5.487	0	%100
75	M85A	X	9.62	9.62	0	%100
76	M85A	Z	16.662	16.662	0	%100
77	M87	X	9.97	9.97	0	%100
78	M87	Z	17.268	17.268	0	%100
79	M89	X	3.168	3.168	0	%100
80	M89	Z	5.487	5.487	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	4.985	4.985	0	%100
86	MP2A	Z	8.634	8.634	0	%100
87	MP1C	X	4.985	4.985	0	%100
88	MP1C	Z	8.634	8.634	0	%100
89	MP4C	X	4.985	4.985	0	%100
90	MP4C	Z	8.634	8.634	0	%100
91	MP2C	X	4.985	4.985	0	%100
92	MP2C	Z	8.634	8.634	0	%100
93	MP1B	X	4.985	4.985	0	%100
94	MP1B	Z	8.634	8.634	0	%100
95	MP4B	X	4.985	4.985	0	%100
96	MP4B	Z	8.634	8.634	0	%100
97	MP2B	X	4.985	4.985	0	%100
98	MP2B	Z	8.634	8.634	0	%100
99	M94	X	6.083	6.083	0	%100
100	M94	Z	10.536	10.536	0	%100
100	M95	X	1.521	1.521	0	%100
102	M95	Z	2.634	2.634	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\...Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



## 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,%]
103	M96	X	1.521	1.521	0	%100
104	M96	Z	2.634	2.634	0	%100
105	M98	X	4.076	4.076	0	%100
106	M98	Z	7.06	7.06	0	%100
107	M100	X	4.076	4.076	0	%100
108	M100	Z	7.06	7.06	0	%100
109	M101	X	4.526	4.526	0	%100
110	M101	Z	7.839	7.839	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	4.526	4.526	0	%100
114	M115	Z	7.839	7.839	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	5.937	5.937	0	%100
118	M123	Z	10.284	10.284	0	%100
119	M124	X	5.937	5.937	0	%100
120	M124	Z	10.284	10.284	0	%100
121	M125	X	7.718	7,718	0	%100
122	M125	Z	13.368	13.368	0	%100
123	M126	X	10.15	10.15	0	%100
124	M126	Z	17.581	17.581	0	%100
125	M127	X	7.718	7.718	0	%100
126	M127	Z	13.368	13.368	0	%100
127	MP3C	X	6.034	6.034	0	%100
128	MP3C	Z	10.452	10.452	0	%100
129	MP3B	X	6.034	6.034	0	%100
130	MP3B	Z	10.452	10.452	0	%100

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

	Member Label	Direction	Start MagnitudeIlb/ft.	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	3.546	3.546	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	14.186	14.186	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	3.546	3.546	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	9.97	9.97	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	12.068	12.068	0	%100
11	MP4A	X	0	0	0	%100
12	MP4A	Z	9.97	9.97	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	11.205	11.205	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	3.903	3.903	0	%100
17	M74	X	0	0	Ő	%100
18	M74	Z	3.903	3.903	Ő	%100
19	M75	X	0	0	0	%100
20	M75	Z	6.297	6.297	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	3.428	3.428	0	%100
23	M79	X	0	0.420	0	%100
24	M79	Z	13.713	13.713	0	%100
25	M84	X	0	0	0	%100



July 19, 2023 3:04 PM Checked By:\_\_\_

	Member Label	Direction	Start Magnitude[lb/ft	(180 Deg)) (Cor End Magnitude[lb/ft.F	Start Location[ft,%]	End Location(ft.%
26	M84	Z	19.006	19.006	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	25.653	25.653	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	26.586	26.586	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	19.006	19.006	0	%100
33	M90A	X	0	0	0	%100
84	M90A	Z	6.413	6.413	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	6.646	6.646	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	11.205	11.205	0	%100
39	M51A	X	0	0	0	%100
10	M51A	Ζ	3.903	3.903	0	%100
41	M52	X	0	0	0	%100
12	M52	Z	3.903	3.903	0	%100
13	M53A	X	0	0	0	%100
14	M53A	Z	6.297	6.297	0	%100
15	M56	X	0	0	0	%100
6	M56	Z	13.711	13.711	0	%100
17	M57	X	0	0	0	%100
18	M57	Z	3.428	3.428	0	%100
19	M62	X	0	0	0	%100
50	M62	Z	19.006	19.006	0	%100
51	M63	X	0	0	00	%100
52	M63	Z	6.413	6.413	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	6.646	6.646	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	19.006	19.006	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	25.653	25.653	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	26.586	26.586	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	00	%100
64	M73A	Z	15.61	15.61	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	15.61	15.61	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	25.186	25.186	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	3.428	3.428	0	%100
70	M79A	X	0	0	0	%100
72	M79A	Z	3.428	3.428	0	%100
73	M84A	X	0	0	0	%100
	M84A	Z	0	0	0	%100
74	M85A	X	0	0	0	%100
75	M85A	Z	6.413	6.413	0	%100
76		X	0	0	0	%100
77	M87	Z	6.646	6.646	0	%100
78	M87	X	0	0	0	%100
79	M89	Z	0	Ő	0	%100
80	M89	X	0	0	0	%100
81	M90	Z	6.413	6.413	0	%100
82	M90	4	the second s	000055445 \/7\\/ MI		Page 107

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



Member Lab	el Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft.	F Start Location[ft.%]	End Location[ft,%]
83 M92A	X	0	0	0	%100
84 M92A	Z	6.646	6.646	0	%100
85 MP2A	X	0	0	0	%100
86 MP2A	Z	9.97	9.97	0	%100
87 MP1C	X	0	0	0	%100
88 MP1C	Z	9.97	9.97	0	%100
89 MP4C	X	0	0	0	%100
90 MP4C	Z	9.97	9.97	0	%100
91 MP2C	X	0	0	0	%100
92 MP2C	Z	9.97	9.97	0	%100
93 MP1B	X	0	0	0	%100
94 MP1B	Z	9.97	9.97	Ö	%100
95 MP4B	X	0	0	0	%100
96 MP4B	Z	9.97	9.97	0	%100
97 MP2B	X	0	0	0	%100
98 MP2B	Z	9.97	9.97	0 0	%100
99 M94	X	0	0	0	%100
100 M94	Z	9.124	9.124	0	%100
101 M95	X	0	0	0	%100
102 M95	Z	0	0	0	%100
103 M96	X	0	0	0	%100
104 M96	Z	9.124	9.124	0	%100
105 M98	X	0	0	0	%100
106 M98	Z	8.153	8.153	0	%100
107 M100	X	0	0.100	0	%100
108 M100	Z	8.153	8.153	0	%100
109 M101	X	0.100	0.100	0	%100
110 M101	Z	12.068	12.068	0	%100
111 M108	X	0	0	0	%100
112 M108	Z	3.017	3.017	0	
113 M115	X	0	0	0	%100
114 M115	Z	3.017	3.017	0	<u>%100</u> %100
115 M122	X	0	0	0	%100
16 M122	Z	3.958	3.958	0	%100
17 M123	<u> </u>	0	0	0	%100
18 M123	Z	15.833	15.833	0	%100
119 M124		0		0	%100
20 M124	Z	3.958	0 3.958	0	%100
21 M125	X	0			%100
22 M125	Z	13.815	0 13.815	0	%100
23 M126	X			0	%100
24 M126	^ Z	0 18.679	0	0	%100
25 M127	<u>Z</u>		18.679	0	%100
26 M127	X	0	0	0	%100
27 MP3C		18.679	18.679	0	%100
28 MP3C	X	0	0	0	%100
	Z	12.068	12.068	0	%100
				0	%100 %100
129         MP3B           130         MP3B	X Z	0 12.068	0 12.068	0	

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

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

	Member Label	Direction	Start MagnitudeIIb/ft.	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	Ő	%100
3	M32	X	-5.32	-5.32	0	%100
4	M32	Z	9.214	9.214	0	%100
5	M33A	X	-5.32	-5.32	0	%100

	127 - Kristans		July 19, 203
	Company	2 2	3:04 PM
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A NEWETSCHEN COMPANY	Model Name		

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft.F.	Start Location[ft,%]	End Location[ft.%]
6	M33A	Z	9.214	9.214	0	%100
7	MP1A	X	-4.985	-4.985	0	%100
8	MP1A	Z	8.634	8.634	0	%100
9	MP3A	X	-6.034	-6.034	0	%100
10	MP3A	Z	10.452	10.452	0	%100
11	MP4A	X	-4.985	-4.985	0	%100
12	MP4A	Z	8.634	8.634	0	%100
13	M72A	X	-1.867	-1.867	0	%100
14	M72A	Z	3.235	3.235	0	%100
15	M73	X	-5.854	-5.854	0	%100
16	M73	Z	10.139	10.139	0	%100
17	M74	X	-5.854	-5.854	0	%100
18	M74	Z	10.139	10.139	0	%100
19	M75	X	-9.445	-9.445	0	%100
20	M75	Z	16.359	16.359	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	-5.142	-5.142	0	%100
24	M79	Z	8.907	8.907	0	%100
25	M84	X	-3.168	-3.168	0	%100
26	M84	Z	5.487	5.487	0	%100
27	M85	X	-9.62	-9.62	0	%100
28	M85	Z	16.662	16.662	0	%100
29	M87A	X	-9.97	-9.97	0	%100
30	M87A	Z	17.268	17.268	0	%100
31	M89A	X	-3.168	-3.168	0	%100
32	M89A	Z	5.487	5.487	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	-7.47	-7.47	0	%100
38	M50A	Z	12.938	12.938	0	%100
39	M50A	X	0	0	0	%100
40	M51A M51A	Z	0	0	0	%100
40	M512	X	0	0	0	%100
41	M52	Z	0	0	0	%100
42 43	M53A	X	0	0	0	%100
43	M53A	Z	0	0	0	%100
44	M56	X	-5.142	-5.142	0	%100
	M56	Z	8.905	8.905	0	%100
46	M57	X	-5.142	-5.142	0	%100
47	M57	Z	8.907	8.907	0	%100
48	M62	X	-12.671	-12.671	0	%100
49		Z	21.947	21.947	0	%100
50	M62	X	-9.62	-9.62	0	%100
51	M63	Z	16,662	16.662	0	%100
52	M63	X	-9.97	-9.97	0	%100
53	M65	Z	17.268	17.268	0	%100
54	M65	X	-12.671	-12.671	0	%100
55	M67	Z	21.947	21.947	0	%100
56	M67	X	-9.62	-9.62	0	%100
57	<u>M68</u>	Z	16.662	16.662	0	%100
58	<u>M68</u>		-9.97	-9.97	0	%100
59	M70	X 7	17.268	17.268	0	%100
60	M70	Z	-1.867	-1.867	0	%100
61	M72	X	3.235	3.235	0	%100
62	M72	4	3.233	0.200		Page 109

[R:\...\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d] RISA-3D Version 17.0.4



3

July 19, 2023 3:04 PM Checked By:\_\_\_\_

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

00	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft.%]
63	M73A	X	-5.854	-5.854	0	%100
64	M73A	Z	10.139	10.139	0	%100
65	M74A	X	-5.854	-5.854	0	%100
66	M74A	Z	10.139	10.139	0	%100
67	M75A	<u>X</u>	-9.445	-9.445	0	%100
68	M75A	Z	16.359	16,359	0	%100
69	M78A	X	-5.142	-5.142	0	%100
70	M78A	<u>Z</u>	8.905	8.905	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	-3.168	-3.168	0	%100
74	M84A	Z	5.487	5.487	0	%100
75	M85A	X	0	0	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	0	0	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	-3.168	-3.168	0	%100
80	M89	Z	5.487	5.487	0	%100
81	M90	X	-9.62	-9.62	0	%100
82	M90	Z	16.662	16.662	0	%100
83	M92A	X	-9.97	-9.97	0	%100
84	M92A	Z	17.268	17.268	0	%100
85	MP2A	X	-4.985	-4.985	0	%100
86	MP2A	Z	8.634	8.634	0	%100
87	MP1C	X	-4.985	-4.985	0	%100
88	MP1C	Z	8.634	8.634	0	%100
89	MP4C	X	-4.985	-4.985	0	%100
90	MP4C	Z	8.634	8.634	0	%100
91	MP2C	X	-4.985	-4.985	0	%100
92	MP2C	Z	8.634	8.634	0	%100
93	MP1B	X	-4.985	-4.985	0	%100
94	MP1B	Z	8.634	8.634	0	%100
95	MP4B	X	-4.985	-4.985	0	%100
96	MP4B	Z	8.634	8.634	0	%100
97	MP2B	X	-4.985	-4.985	0	%100
98	MP2B	Z	8.634	8.634	0	%100
99	M94	X	-1.521	-1.521	0	%100
100	M94	Z	2.634	2.634	0	%100
101	M95	X	-1.521	-1.521	0	%100
102	M95	Z	2.634	2.634	0	%100
103	M96	X	-6.083	-6.083	0	%100
104	M96	Z	10.536	10.536	0	%100
105	M98	X	-4.076	-4.076	0	%100
106	M98	Z	7.06	7.06	0	%100
107	M100	X	-4.076	-4.076	0	%100
108	M100	Z	7.06	7.06	0	%100
109	M101	X	-4.526	-4.526	0	%100
110	M101	Z	7.839	7.839	0	%100
111	M108	X	-4.526	-4.526	0	%100
112	M108	Z	7.839	7.839	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	0	0	0	%100
115	M122	X	-5.937	-5.937	0	%100
116	M122	Z	10.284	10.284	0	%100
117	M123	X	-5.937	-5.937	0	%100
118	M123	Z	10.284	10.284	0	%100
119	M124	X	0			10100

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

IRISA	Company Designer Job Number Model Name		July 19, 2023 3:04 PM Checked By:
A NEMETRONEK COMPANY	Model Maine	1	

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

	5. 10 B. U.	Direction	Start Magnitude[]b/ft	End Magnitude(lb/ft,F	. Start Location[ft,%]	End Location[ft.%]
	Member Label	7	0	0	0	%100
120	<u>M124</u>	4	-7.718	-7.718	0	%100
121	M125	X	and the second se		0	%100
122	M125	Z	13.368	13.368	0	and the second se
123	M126	X	-7.718	-7.718	0	%100
124	M126	7	13.368	13.368	0	%100
124	M127	X	-10.15	-10.15	0	%100
	M127	7	17.581	17.581	0	%100
126	MP3C	X	-6.034	-6.034	0	%100
127		7	10.452	10.452	0	%100
128	MP3C	<u> </u>	-6.034	-6.034	0	%100
129	MP3B	X			0	%100
130	MP3B	Z	10.452	10.452	<u> </u>	/0100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft.F	. Start Location[ft,%]	End Location[ft,%]
1	M20	X	-3.071	-3.071	0	%100
2	M20	Z	1.773	1.773	0	%100
3	M32	X	-3.071	-3.071	0	%100
4	M32	Z	1.773	1.773	0	%100
5	M33A	X	-12.285	-12.285	0	%100
6	M33A	Z	7.093	7.093	0	%100
7	MP1A	X	-8.634	-8.634	0	%100
8	MP1A	Z	4.985	4.985	0	%100
9	МРЗА	X	-10.452	-10.452	0	%100
10	MP3A	Z	6.034	6.034	0	%100
11	MP4A	X	-8.634	-8.634	0	%100
12	MP4A	Z	4.985	4.985	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	-13.519	-13.519	0	%100
16	M73	Z	7.805	7.805	0	%100
17	M74	X	-13.519	-13.519	0	%100
18	M74	Z	7.805	7.805	0	%100
19	M75	X	-21.812	-21.812	0	%100
20	M75	Z	12.593	12.593	0	%100
20	M78	X	-2.968	-2.968	0	%100
22	M78	Z	1.714	1.714	0	%100
	M79	X	-2.969	-2.969	0	%100
23	M79	Z	1.714	1.714	0	%100
24	M84	X	0	0	0	%100
25	M84	Z	0	0	0	%100
26	M85	<u>-</u> X	-5.554	-5.554	0	%100
27		Z	3.207	3.207	0	%100
28	M85	X	-5.756	-5.756	0	%100
29	M87A	Z	3.323	3.323	0	%100
30	M87A	X	0	0	0	%100
31	M89A	Z	0	0	0	%100
32	M89A	X	-5.554	-5.554	0	%100
33	M90A	Z	3.207	3.207	0	%100
34	M90A	X	-5.756	-5.756	0	%100
35	M92	z	3.323	3.323	0	%100
36	M92	X	-9.704	-9.704	0	%100
37	M50A		5.602	5.602	Ő	%100
38	M50A	Z	-3.38	-3.38	0	%100
39	M51A	X	1.951	1.951	Ő	%100
40	M51A	Z	-3.38	-3.38	Ö	%100
41	M52	X 7	1.951	1.951	0	%100
42	M52	L	1.901	1.301		di anti



2

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

43	Member Label M53A	Direction X	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F.		End Location[ft,%]
44	M53A	Z	-5.453	-5.453	0	%100
45	M56	X		3.148	0	%100
46	M56	Ż	-2.968	-2.968	0	%100
47	M50 M57		1.714	1.714	0	%100
48	M57	Z	-11.876	-11.876	0	%100
49	M62	X	6.856	6.856	0	%100
50	M62	Z	-16.46	-16.46	0	%100
51	M63		9.503	9.503	0	%100
52	M63	X	-22.216	-22.216	0	%100
53		Z	12.826	12.826	0	%100
53	M65	X	-23.024	-23.024	0	%100
55	<u>M65</u>	Z	13.293	13.293	0	%100
	M67	X	-16.46	-16.46	0	%100
56	M67	Z	9.503	9.503	0	%100
57	M68	<u> </u>	-5.554	-5.554	0	%100
58	M68	Z	3.207	3.207	0	%100
59	M70	X	-5.756	-5.756	0	%100
60	M70	Z	3.323	3.323	0	%100
61	M72	X	-9.704	-9.704	0	%100
62	M72	Z	5.602	5.602	0	%100
63	M73A	X	-3.38	-3.38	0	%100
64	M73A	Z	1.951	1.951	0	%100
65	M74A	X	-3.38	-3.38	0	%100
66	M74A	Z	1.951	1.951	0	%100
67	M75A	X	-5.453	-5.453	0	%100
68	M75A	Z	3.148	3.148	0	%100
69	M78A	X	-11.874	-11.874	0	%100
70	M78A	Z	6.855	6.855	0	%100
71	M79A	X	-2.969	-2.969	0	%100
72	M79A	Z	1.714	1.714	0	%100
73	M84A	X	-16.46	-16.46	0	%100
74	M84A	Z	9.503	9.503	0	%100
75	M85A	X	-5.554	-5.554	0	%100
76	M85A	Z	3.207	3.207	0	%100
77	M87	X	-5.756	-5.756	0	%100
78	M87	Z	3.323	3.323	0	%100
79	M89	X	-16.46	-16.46	0	%100
80	M89	Z	9.503	9.503	0	%100
81	M90	X	-22.216	-22.216	0	%100
82	M90	Z	12.826	12.826	0	%100
83	M92A	X	-23.024	-23.024	0	%100
84	M92A	Z	13.293	13.293	0	%100
85	MP2A	X	-8.634	-8.634	0	%100
86	MP2A	Z	4.985	4.985	0	%100
87	MP1C	X	-8.634	-8.634	0	%100
88	MP1C	Z	4.985	4.985	Ő	%100
89	MP4C	X	-8.634	-8.634	0	%100
90	MP4C	Z	4.985	4.985	0	%100
91	MP2C	X	-8.634	-8.634	0	%100
92	MP2C	Z	4.985	4.985	0	%100
93	MP1B	X	-8.634	-8.634	0	%100
94	MP1B	Z	4.985	4.985	0	%100
95	MP4B	X	-8.634	-8.634	0	%100
96	MP4B	Z	4.985	4.985	0	%100
97	MP2B	X	-8.634	-8.634	0	
98	MP2B	Z	4.985	4.985		%100
99	M94	X	4.900	4.965	0	%100
20100				U	0	%100



	Member Label	Direction		End Magnitude[lb/ft.F		End Location[ft,%
100	M94	Z	0	0	0	%100
100	M95	X	-7.902	-7.902	0	%100
102	M95	7	4.562	4.562	0	%100
102	M96	X	-7.902	-7.902	0	%100
	M96	Z	4.562	4.562	0	%100
104	M98	X	-7.06	-7.06	0	%100
105	M98	Z	4.076	4.076	0	%100
106	M100	X	-7.06	-7.06	0	%100
	M100	Z	4.076	4.076	0	%100
108	M100	X	-2.613	-2.613	0	%100
109		Z	1.509	1.509	0	%100
110	M101	X	-10.452	-10.452	0	%100
111	M108	Z	6.034	6.034	0	%100
112	M108	X	-2.613	-2.613	0	%100
113	M115	7	1.509	1.509	0	%100
114	M115		-13.712	-13.712	0	%100
115	M122	Z	7.916	7.916	Ő	%100
116	M122		-3.428	-3.428	0	%100
117	M123	X Z	1.979	1.979	0	%100
118	M123		-3.428	-3.428	0	%100
119	M124	<u>X</u>	1.979	1.979	0	%100
120	M124	Z		-16.177	0	%100
121	M125	<u> </u>	-16.177	9.34	0	%100
122	M125	Z	9.34	-11.964	0	%100
123	M126	X	-11.964	6.907	0	%100
124	M126	Z	6.907		0	%100
125	M127	X	-16.177	-16.177		%100
126	M127	Z	9.34	9.34	0	%100
127	MP3C	X	-10.452	-10.452		%100
128	MP3C	Z	6.034	6.034	0	the second se
129	MP3B	X	-10.452	-10.452	0	%100
130	MP3B	Z	6.034	6.034	0	%100

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

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
1	M20	X	-10.639	-10.639	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	0	0	0	%100
	M32	7	0	0	0	%100
4	11 Provide Contraction of the second s	X	-10.639	-10.639	0	%100
5	M33A	Z	-10.000	0	0	%100
6	M33A	X	-9.97	-9.97	Ō	%100
7	<u>MP1A</u>	and the second sec	-9.91	0	0	%100
8	MP1A	Z		-12.068	0	%100
9	MP3A	<u>×</u>	-12.068	-12.000	0	%100
10	MP3A	Z	0		0	%100
11	MP4A	X	-9.97	-9.97	0	%100
12	MP4A	Z	0	0		
13	M72A	X	-3.735	-3.735	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	-11.708	-11.708	00	%100
16	M73	Z	0	0	0	%100
17	M74	X	-11.708	-11.708	0	%100
18	M74	7	0	0	0	%100
19	M75	X	-18.89	-18.89	0	%100
20	M75	Z	0	0	0	%100
	M78	X	-10.283	-10.283	0	%100
21 22	M78	Z	0	0	0	%100



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00	Member Label	Direction		End Magnitude[lb/ft.F.	Start Location[ft,%]	End Location[ft,%]
23	M79	<u> </u>	0	0	0	%100
24	M79	Z	0	0	0	%100
25	<u>M84</u>	X	-6.335	-6.335	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	0	0	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	0	0	0	%100
31	M89A	X	-6.335	-6.335	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	-19.24	-19.24	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	-19.939	-19.939	0	%100
36	M92	Z	0	0	0	
37	M50A	X	-3.735	-3.735		%100
38	M50A	Z	1.000		0	%100
39	M51A	X	0	0	0	%100
40	M51A M51A		-11.708	-11.708	0	%100
		Z	0	0	0	%100
41	M52	X	-11.708	-11.708	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	-18.89	-18.89	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	-10.285	-10.285	0	%100
48	M57	Z	0	0	Õ	%100
49	M62	X	-6.335	-6.335	0	%100
50	M62	Z	0.000	0.000	0	%100
51	M63	X	-19.24	-19.24	0	%100
52	M63	Z	0	0	0	
53	M65	X	-19.939			%100
54	M65			-19.939	0	%100
55	M67	Z	0	0	0	%100
	M67	X	-6.335	-6.335	0	%100
56		Z	0	0	0	%100
57	M68	X	0	0	0	%100
58	<u>M68</u>	Z	0	0	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	0	0	0	%100
61	M72	X	-14.94	-14.94	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	0	0	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	0	0	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	0	0	0	%100
69	M78A	X	-10.283	-10.283	0	
70	M78A	Z	-10.283			%100
71	M79A			0	0	%100
72		X	-10.284	-10.284	0	%100
	M79A	Z	0	0	0	%100
73	M84A	X	-25.342	-25.342	0	%100
74	<u>M84A</u>	Z	0	0	0	%100
75	M85A	X	-19.24	-19.24	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	-19.939	-19.939	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	-25.342	-25.342	0	%100

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



Member Distributed Loads (BLC 50 : Structure Wo (27	Deg)) (Continued)
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	Member Label	Direction		.End Magnitude[lb/ft.F.		End Location[ft,%] %100
80	M89	Z	0	0	0	
81	M90	X	-19.24	-19.24	0	%100 %100
82	M90	Z	0	0	0	%100
83	M92A	X	-19.939	-19.939	0	
84	M92A	Z	0	0	0	%100
85	MP2A	X	-9.97	-9.97	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1C	X	-9.97	-9.97	0	%100
88	MP1C	Z	0	0	0	%100
89	MP4C	X	-9.97	-9.97	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-9.97	-9.97	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1B	X	-9.97	-9.97	0	%100
94	MP1B	Z	0	0	0	%100
95	MP4B	X	-9.97	-9.97	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	-9.97	-9.97	0	%100
98	MP2B	Z	0	0	0	%100
99	M94	X	-3.041	-3.041	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	-12,166	-12.166	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	-3.041	-3.041	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	-8.153	-8.153	0	%100
106	M98	Z	0	0	0	%100
107	M100	X	-8.153	-8.153	00	%100
108	M100	Z	0	0	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	0	0	0	%100
111	M108	X	-9.051	-9.051	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	-9.051	-9.051	0	%100
114	M115	Z	0	0	0	%100
115	M122	X	-11.875	-11.875	0	%100
116	M122	Z	0	0	0	%100
117	M122	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	-11.875	-11.875	0	%100
120	M124	Z	0	0	0	%100
	M124 M125	X	-20.301	-20.301	0	%100
121 122	M125	Z	0	0	0	%100
		X	-15.436	-15.436	0	%100
123	M126	Z	0	0	0	%100
124	M126	X	-15.436	-15.436	0	%100
125	M127	Z	0	0	Ő	%100
126	M127		-12.068	-12.068	0	%100
127	MP3C	X Z	-12.000	0	0	%100
128	MP3C		-12.068	-12.068	0	%100
129 130	MP3B MP3B	Z	-12.000	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	Member Eddor	X	-12.285	-12.285	0	%100
2	M20	7	-7.093	-7.093	0	%100
6	WIZU	-	1.000			



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

0	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.	. Start Location[ft.%]	End Location[ft,%]
3	M32	X	-3.071	-3.071	0	%100
4	M32	Z	-1.773	-1.773	0	%100
5	M33A	X	-3.071	-3.071	0	%100
6	M33A	Z	-1.773	-1.773	0	%100
	MP1A	<u> </u>	-8.634	-8.634	0	%100
8	MP1A	Z	-4.985	-4.985	0	%100
9	MP3A	X	-10.452	-10.452	0	%100
10	MP3A	Z	-6.034	-6.034	0	%100
11	MP4A	<u> </u>	-8.634	-8.634	0	%100
12	MP4A	Z	-4.985	-4.985	0	%100
13	M72A	<u> </u>	-9.704	-9.704	0	%100
14	M72A	Z	-5.602	-5.602	0	%100
15	M73	X	-3.38	-3.38	0	%100
16	M73	Z	-1.951	-1.951	0	%100
17	M74	X	-3.38	-3.38	0	%100
18	M74	Z	-1.951	-1.951	0	%100
19	M75	X	-5.453	-5.453	0	%100
20	M75	Z	-3.148	-3.148	0	%100
21	M78	X	-11.874	-11.874	0	%100
22	M78	Z	-6.855	-6.855	0	%100
23	M79	X	-2.969	-2.969	0	%100
24	M79	Z	-1.714	-1.714	0	%100
25	M84	X	-16.46	-16.46	0	%100
26	M84	Z	-9.503	-9.503	0	%100
27	M85	X	-5.554	-5.554	0	%100
28	M85	Z	-3.207	-3.207	0	%100
29	M87A	X	-5.756	-5.756	0	%100
30	M87A	Z	-3.323	-3.323	0	%100
31	M89A	X	-16.46	-16.46	0	%100
32	M89A	Z	-9.503	-9.503	0	%100
33	M90A	X	-22.216	-22.216	0	%100
34	M90A	Z	-12.826	-12.826	0	%100
35	M92	X	-23.024	-23.024	0	%100
36	M92	Z	-13.293	-13.293	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	-13.519	-13.519	0	%100
40	M51A	Z	-7.805	-7.805	0	%100
41	M52	X	-13.519	-13.519	0	%100
42	M52	Z	-7.805	-7.805	0	%100
43	M53A	X	-21.812	-21.812	0	%100
44	M53A	Z	-12.593	-12.593	0	%100
45	M56	X	-2.968	-2.968	0	%100
46	M56	<u>Z</u>	-1.714	-1.714	0	%100
47	M57	X	-2.969	-2.969	0	%100
48	M57	Z	-1.714	-1.714	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	-5.554	-5.554	0	%100
52	M63	Z	-3.207	-3.207	0	%100
53	M65	X	-5.756	-5.756	0	%100
54	M65	Z	-3.323	-3.323	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	-5.554	-5.554	0	%100
58	M68	Z	-3.207	-3.207	0	%100
59	M70	X	-5.756	-5.756	0	%100



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

	Member Label	Direction		End Magnitude[lb/ft,F.		End Location[ft.%]
60	M70	Z	-3.323	-3.323	0	%100
61	M72	X	-9.704	-9.704	0	%100
62	M72	Z	-5.602	-5.602	0	<u>%100</u> %100
63	M73A	X	-3.38	-3.38	0	
64	M73A	Z	-1.951	-1.951	0	%100 %100
65	M74A	X	-3.38	-3.38	0	%100
66	M74A	Z	-1.951	-1.951	0	%100
67	M75A	X	-5.453	-5.453	0	
68	M75A	Z	-3.148	-3.148	0	%100
69	M78A	X	-2.968	-2.968	0	%100
70	M78A	Z	-1.714	-1.714	0	%100
71	M79A	X	-11.876	-11.876	0	%100
72	M79A	Z	-6.856	-6.856	0	%100
73	M84A	X	-16.46	-16.46	0	%100
74	M84A	Z	-9.503	-9.503	0	%100
75	M85A	X	-22.216	-22.216	0	%100
76	M85A	Z	-12.826	-12.826	0	%100
77	M87	X	-23.024	-23.024	0	%100
78	M87	Z	-13.293	-13.293	0	%100
79	M89	X	-16.46	-16.46	0	%100
80	M89	Z	-9.503	-9.503	0	%100
81	M90	X	-5.554	-5.554	0	%100
82	M90	Z	-3.207	-3.207	0	%100
83	M92A	X	-5.756	-5.756	0	%100
84	M92A	Z	-3.323	-3.323	0	%100
85	MP2A	X	-8.634	-8.634	0	%100
86	MP2A	Z	-4.985	-4.985	0	%100
87	MP1C	X	-8.634	-8.634	0	%100
88	MP1C	Z	-4.985	-4.985	0	%100
89	MP4C	X	-8.634	-8.634	0	%100
90	MP4C	Z	-4.985	-4.985	0	%100
91	MP2C	X	-8.634	-8.634	0	%100
92	MP2C	Z	-4.985	-4.985	0	%100
93	MP1B	X	-8.634	-8.634	0	%100
94	MP1B	Z	-4.985	-4.985	0	%100
95	MP4B	X	-8.634	-8.634	0	%100
96	MP4B	Z	-4.985	-4.985	0	%100
97	MP2B	X	-8.634	-8.634	0	%100
98	MP2B	Z	-4.985	-4.985	0	%100
99	M94	X	-7.902	-7.902	0	%100
100	M94	Z	-4.562	-4.562	0	%100
101	M95	X	-7.902	-7.902	0	%100
102	M95	Z	-4.562	-4.562	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	-7.06	-7.06	0	%100
106	M98	Z	-4.076	-4.076	0	%100
107	M100	X	-7.06	-7.06	0	%100
108	M100	Z	-4.076	-4.076	0	%100
109	M101	X	-2.613	-2.613	0	%100
110	M101	Z	-1.509	-1.509	0	%100
111	M108	X	-2.613	-2.613	0	%100
112	M108	Z	-1.509	-1.509	0	%100
113	M100	X	-10.452	-10.452	0	%100
114	M115	Z	-6.034	-6.034	0	%100
115	M113 M122	X	-3.428	-3.428	0	%100
116	M122	Z	-1.979	-1.979	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,.	End Magnitude(Ib/ft,F	Start Location[ft.%]	End Location[ft,%]
117	M123	X	-3.428	-3.428	0	%100
118	M123	Z	-1.979	-1,979	0	%100
119	M124	X	-13.712	-13.712	0	%100
120	M124	Z	-7.916	-7.916	0	%100
121	M125	X	-16.177	-16.177	0	%100
122	M125	Z	-9.34	-9.34	0	%100
123	M126	X	-16.177	-16.177	0	%100
124	M126	Z	-9.34	-9.34	0	%100
125	M127	X	-11,964	-11.964	0	%100
126	M127	Z	-6.907	-6.907	0	%100
127	MP3C	X	-10.452	-10.452	0	%100
128	MP3C	Z	-6.034	-6.034	0	%100
129	MP3B	X	-10.452	-10,452	0	%100
130	MP3B	Z	-6.034	-6.034	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	M20	X	-5.32	-5.32	0	%100
2	M20	Z	-9.214	-9.214	0	%100
3	M32	X	-5.32	-5.32	0	%100
4	M32	Z	-9.214	-9.214	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	-4.985	-4.985	0	%100
8	MP1A	Z	-8.634	-8.634	0	%100
9	MP3A	X	-6.034	-6.034	0	%100
10	MP3A	Z	-10.452	-10.452	0	%100
11	MP4A	X	-4.985	-4.985	0	%100
12	MP4A	Z	-8.634	-8.634	0	%100
13	M72A	X	-7.47	-7.47	0	%100
14	M72A	Z	-12.938	-12.938	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	0	Ő	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	0	Ŭ Ū	0	%100
21	M78	X	-5.142	-5.142	0	%100
22	M78	Z	-8.905	-8.905	0	%100
23	M79	X	-5.142	-5.142	0	%100
24	M79	Z	-8.907	-8.907	Ö	%100
25	M84	X	-12.671	-12.671	0	%100
26	M84	Z	-21.947	-21.947	0	%100
27	M85	X	-9.62	-9.62	0	%100
28	M85	Z	-16.662	-16.662	0	%100
29	M87A	X	-9.97	-9.97	0	%100
30	M87A	Z	-17.268	-17.268	0	%100
31	M89A	X	-12.671	-12.671	0	%100
32	M89A	Z	-21.947	-21.947	0	%100
33	M90A	X	-21.947	-21.947	0	%100
34	M90A	Z	-16.662	-16.662	0	%100
35	M92	X	-9.97	-10.002	0	
36	M92	Z	-17.268	-17.268		%100
37	M50A	X	-17.200	-17.268	0	%100
38	M50A	Z	-3.235	-3.235	0	%100
39	M51A	X	-5.854		0	%100
55	NIGTA	<b>^</b>	-0.604	-5.854	0	%100



Member Distributed Load	(BLC 52 : Structure Wo	(330 Deg)) (Continued)
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	Member Label	Direction		.End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft.%]
40	M51A	Z	-10.139	-10.139	0	%100
41	M52	X	-5.854	-5.854	0	%100
42	M52	Z	-10.139	-10.139	0	%100
43	M53A	X	-9.445	-9.445	0	%100
44	M53A	Z	-16.359	-16.359	0	%100
45	M56	X	-5.142	-5.142	0	%100
46	M56	Z	-8.905	-8.905	0	%100
	M57	X	0	0	0	%100
47 48	M57	Z	0	0	0	%100
	M62	X	-3.168	-3.168	0	%100
49		Z	-5.487	-5.487	0	%100
50	M62	X	0	0	0	%100
51	M63		0	0	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	0	0	0	%100
54	M65	<u>Z</u>	-3.168	-3.168	0	%100
55	M67	<u>X</u>		-5.487	0	%100
56	M67	Z	-5.487	-9.62	0	%100
57	M68	X	-9.62		0	%100
58	M68	Z	-16.662	-16.662	0	%100
59	M70	X	-9.97	-9.97		%100
60	M70	Z	-17.268	-17.268	0	%100
61	M72	X	-1.867	-1.867	0	%100
62	M72	Z	-3.235	-3.235	0	
63	M73A	X	-5.854	-5.854	0	%100
64	M73A	Z	-10.139	-10.139	0	%100
65	M74A	X	-5.854	-5.854	0	%100
66	M74A	Z	-10.139	-10.139	0	%100
67	M75A	X	-9.445	-9.445	0	%100
68	M75A	Z	-16.359	-16.359	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	-5.142	-5.142	0	%100
72	M79A	Z	-8.907	-8.907	0	%100
73	M84A	X	-3.168	-3.168	0	%100
	M84A	Z	-5.487	-5.487	0	%100
74		X	-9.62	-9.62	0	%100
75	M85A	Z	-16.662	-16.662	0	%100
76	M85A	X	-9.97	-9.97	0	%100
77	M87	Z	-17.268	-17.268	0	%100
78	M87		-3.168	-3.168	0	%100
79	M89	<u>X</u>	-5.487	-5.487	Ő	%100
80	M89	Z		0	0	%100
81	M90	X	0		0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0			%100
85	MP2A	X	-4.985	-4.985	0	%100
86	MP2A	Z	-8.634	-8.634	0	%100
87	MP1C	X	-4.985	-4.985	0	
88	MP1C	Z	-8.634	-8.634	0	<u>%100</u> %100
89	MP4C	X	-4.985	-4.985	0	%100
90	MP4C	Z	-8.634	-8.634	0	%100
91	MP2C	X	-4.985	-4.985	0	%100
92	MP2C	Z	-8.634	-8.634	0	%100
93	MP1B	X	-4.985	-4.985	0	%100
94	MP1B	Z	-8.634	-8.634	0	%100
95	MP4B	X	-4.985	-4.985	0	%100
00	MP4B	Z	-8.634	-8.634	0	%100



0.7	Member Label	Direction	Start Magnitude[lb/ft,.	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
97	MP2B	X	-4.985	-4.985	0	%100
98	MP2B	Z	-8.634	-8.634	0	%100
99	M94	X	-6.083	-6.083	0	%100
100	M94	Z	-10.536	-10.536	0	%100
101	M95	X	-1.521	-1.521	0	%100
102	M95	Z	-2.634	-2.634	0	%100
103	M96	X	-1,521	-1.521	0	%100
104	M96	Z	-2.634	-2.634	0	%100
105	M98	X	-4.076	-4.076	0	%100
106	M98	Z	-7.06	-7.06	0	%100
107	M100	X	-4.076	-4.076	0	%100
108	M100	Z	-7.06	-7.06	0	%100
109	M101	X	-4.526	-4.526	0	%100
110	M101	Z	-7.839	-7.839	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	-4.526	-4.526	0	%100
114	M115	Z	-7.839	-7.839	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	Ō	%100
117	M123	X	-5.937	-5.937	0	%100
118	M123	Z	-10.284	-10.284	Ő	%100
119	M124	X	-5.937	-5.937	0	%100
120	M124	Z	-10.284	-10.284	0	%100
121	M125	X	-7.718	-7.718	0	%100
122	M125	Z	-13.368	-13.368	0	%100
123	M126	X	-10.15	-10.15	0	%100
124	M126	Z	-17.581	-17.581	0	%100
125	M127	X	-7.718	-7.718	0	%100
126	M127	Z	-13.368	-13.368	Ő	%100
127	MP3C	X	-6.034	-6.034	0	%100
128	MP3C	Z	-10.452	-10.452	0	%100
129	MP3B	X	-6.034	-6.034	0	%100
130	MP3B	Z	-10.452	-10.452	0	%100

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

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	-1.057	-1.057	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	-4.23	-4.23	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	-1.057	-1.057	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-3.41	-3.41	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-3.774	-3.774	0	%100
11	MP4A	X	0	0	0	%100
12	MP4A	Z	-3.41	-3.41	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	-3.205	-3.205	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	-1	-1	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	-1	-1	0	%100
19	M75	X	0	0	0	%100



Member Distributed Loads	(BLC 53	: Structure Wi	(0 Deg)) (0	Continued)
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	Member Label	Direction		.End Magnitude[lb/ft,F.		End Location[ft.%
20	M75	Z	-1.363	-1.363	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	981	981	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	-3.925	-3.925	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	-4.034	-4.034	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	-5.433	-5.433	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	-5.595	-5.595	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	-4.034	-4.034	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	-1.358	-1.358	0	%100
	M92	X	0	0	0	%100
35		Z	-1.399	-1.399	0	%100
36	M92	X	0	0	0	%100
37	M50A	Z	-3.205	-3.205	0	%100
38	M50A	X	-3.205	0	0	%100
39	M51A	Z	-1	-1	Ő	%100
40	M51A		0	0	0	%100
41	M52	<u> </u>	-1	-1	Ö	%100
42	M52	<u>Z</u>		0	0	%100
43	M53A	x	0	-1.363	Ö	%100
44	M53A	Z	-1.363		0	%100
45	M56	X	0	0	0	%100
46	M56	Z	-3.924	-3.924	0	%100
47	M57	X	0	0		%100
48	M57	Z	981	981	0	%100
49	M62	X	0	0	0	
50	M62	Z	-4.034	-4.034	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	-1.358	-1.358	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	-1.399	-1.399	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	-4.034	-4.034	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-5.433	-5.433	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	-5.595	-5.595	0	%100
61	M70	X	0	0	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
	M73A	Z	-4.002	-4.002	0	%100
64	M74A	X	0	0	Ō	%100
65		Z	-4.002	-4.002	0	%100
66	M74A	X	0	0	0	%100
67	M75A	Z	-5.452	-5.452	0	%100
68	M75A	X	-5.452	0	0	%100
69	M78A	Z	981	981	0	%100
70	M78A		981	0	0	%100
71	M79A	<u> </u>		981	0	%100
72	M79A	<u>Z</u>	981		0	%100
73	M84A	X	0	0	0	%100
74	M84A	<u>Z</u>	0	0	0	%100
75	M85A	<u> </u>	0	0	0	%100
76	M85A	Z	-1.358	-1.358	0	70100

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

77	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft,%]
	M87	<u> </u>	0	0	0	%100
78	<u>M87</u>	Z	-1.399	-1.399	0	%100
79	M89	X	0	0	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	-1.358	-1.358	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	-1.399	-1.399	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	-3.41	-3.41	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-3.41	-3.41	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-3.41	-3.41	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-3.41	-3.41	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-3.41	-3.41	0	%100
95	MP4B	x	0	0	0	%100
96	MP4B	Z	-3.41	-3.41	0	%100
97	MP2B	X	0.41	0	0	%100
98	MP2B	Z	-3.41	-3.41	0	%100
99	M94	X	0	-3.41	0	
100	M94	Z	-2.433	-2.433	0	%100
101	M95	X	-2.433			%100
102	M95	Z		0	0	%100
102	M96	X	0	0	0	%100
104	M96	z	-2.433		0	%100
104	M98	X		-2.433	0	%100
106	M98	Z	0	0	0	%100
107	M100	X	-2.803	-2.803	0	%100
107	M100		0	0	0	%100
109	M101	Z	-2.803	-2.803	0	%100
110		X	0	0	0	%100
	M101	Z	-3.774	-3.774	0	%100
111	M108	X	0	0	0	%100
	<u>M108</u>	<u>Z</u>	944	944	0	%100
113	M115	X	0	0	0	%100
114	M115	<u>Z</u>	944	944	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-1.017	-1.017	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	-4.066	-4.066	0	%100
119	M124	X	0	0	00	%100
120	M124	Z	-1.017	-1.017	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	-3.079	-3.079	0	%100
123	M126	X	0	0	0	%100
124	M126	Z	-4.673	-4.673	0	%100
125	M127	X	0	0	0	%100
126	M127	Z	-4.673	-4.673	0	%100
127	MP3C	X	0	0	0	%100
128	MP3C	Z	-3.774	-3.774	Ő	%100
129	MP3B	X	0	0	0	%100
130	MP3B	Z	-3.774	-3.774	0	%100

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

	Company	÷
	Designer	I
IIRISA	Job Number	1
A NEMETSCHER COMPANY	Model Name	

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg)) (Continued	ads (BLC 54 : Structure Wi (30 Deg)) (Continued	ited Loads (BLC 54 : Struc	C 54 : Structure Wi	Distributed Loads (BLC 54 : Stri
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	Member Label	Direction		End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft.%] %100
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	1.586	1.586	0	%100
4	M32	Z	-2.747	-2.747	0	%100
5	M33A	X	1.586	1.586		%100
6	M33A	Z	-2.747	-2.747	0	%100
7	MP1A	X	1.705	1.705	0	%100
8	MP1A	Z	-2.953	-2.953	0	%100
9	MP3A	X	1.887	1.887	0	%100
10	MP3A	Z	-3.269	-3.269		%100
11	MP4A	X	1.705	1.705	0	%100
12	MP4A	Z	-2.953	-2.953	0	%100
13	M72A	X	.534	.534	0	%100
14	M72A	Z	925	925	0	%100
15	M73	X	1.501	1.501	0	%100
16	M73	Z	-2.599	-2.599	0	%100
17	M74	X	1.501	1,501	0	%100
18	M74	Z	-2.599	-2.599	0	%100
19	M75	X	2.044	2.044	0	%100
20	M75	Z	-3.541	-3.541	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	1.472	1.472	0	%100
24	M79	Z	-2.549	-2.549	0	%100
25	M84	X	.672	.672	0	%100
26	M84	Z	-1.165	-1.165	0	%100
27	M85	X	2.037	2.037	0	%100
28	M85	<u>Z</u>	-3.529	-3.529	.0	
29	M87A	X	2.098	2.098	0	%100 %100
30	M87A	Z	-3.634	-3.634	0	%100
31	M89A	X	.672	.672	0	%100
32	M89A	Z	-1.165	-1.165	0	%100
33	M90A	X	0	0	0	
34	M90A	Z	0	0	0	%100
35	M92	X	0	0	0	%100 %100
36	M92	Ζ	0	0	0	%100
37	M50A	X	2.137	2.137	0	
38	M50A	Z	-3.701	-3.701	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	0	0	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	1.472	1.472	0	%100
46	M56	Z	-2.549	-2.549	0	%100
47	M57	X	1.472	1.472	0	%100
48	M57	Z	-2.549	-2.549	0	%100
49	M62	X	2.69	2.69	0	%100
50	M62	Z	-4.659	-4.659	0	%100
51	M63	X	2.037	2.037	0	%100
52	M63	Z	-3.529	-3.529	0	%100
53	M65	X	2.098	2.098	0	%100
54	M65	Z	-3.634	-3.634	0	%100
55	M67	X	2.69	2.69	0	%100
56	M67	Z	-4.659	-4.659	0	%100
57	M68	X	2.037	2.037	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
58	<u>M68</u>	Z	-3.529	-3.529	0	%100
59	M70	X	2.098	2.098	0	%100
60	M70	Z	-3.634	-3.634	0	%100
61	M72	X	.534	.534	0	%100
62	M72	Z	925	925	0	%100
63	M73A	X	1.501	1.501	0	%100
64	M73A	Z	-2.599	-2.599	0	%100
65	M74A	X	1.501	1.501	0	%100
66	M74A	Z	-2.599	-2.599	0	%100
67	M75A	X	2.044	2.044	0	%100
68	M75A	<u>Z</u>	-3.541	-3.541	0	%100
69	M78A	X	1.472	1.472	0	%100
70	M78A	Z	-2.549	-2.549	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	.672	.672	0	%100
74	M84A	Z	-1.165	-1.165	0	%100
75	M85A	X	0	0	0	%100
76	M85A	Z	0	0	0	%100
77	<u>M87</u>	X	0	0	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	.672	.672	0	%100
80	M89	Z	-1.165	-1.165	0	%100
81	M90	X	2.037	2.037	0	%100
82	M90	Z	-3.529	-3.529	0	%100
83	M92A	X	2.098	2.098	0	%100
84	M92A	Z	-3.634	-3.634	0	%100
85	MP2A	X	1.705	1.705	0	%100
86	MP2A	Z	-2.953	-2.953	0	%100
87	MP1C	X	1.705	1.705	0	%100
88	MP1C	Z	-2.953	-2.953	0	%100
89	MP4C	X	1.705	1.705	0	%100
90	MP4C	Z	-2.953	-2.953	0	%100
91	MP2C	X	1.705	1.705	0	%100
92	MP2C	Z	-2.953	-2.953	0	%100
93	MP1B	X	1.705	1.705	Ő	%100
94	MP1B	Z	-2.953	-2.953	0	%100
95	MP4B	X	1.705	1.705	Ő	%100
96	MP4B	Z	-2.953	-2.953	0	%100
97	MP2B	X	1.705	1.705	0	%100
98	MP2B	Z	-2.953	-2.953	0	%100
99	M94	X	.405	.405	0	%100
100	M94	Z	702	702	0	%100
101	M95	X	.405	.405	0	%100
102	M95	Z	702	702	0	%100
103	M96	X	1.622	1.622	0	%100
104	M96	Z	-2.809	-2.809	Ö	%100
105	M98	X	1.402	1.402	0	%100
106	M98	Z	-2.428	-2.428	0	%100
107	M100	X	1.402	1.402	0	%100
108	M100	Z	-2.428	-2.428	0	%100
109	M101	X	1.415	1.415	0	%100
110	M101	Z	-2.452	-2.452	0	%100
111	M108	x	1.415	1.415	0	%100
112	M108	Z	-2.452	-2.452	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	0	0	0	%100
	D Version 17.0.4	-				70100



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

	Manhael abol	Direction	Start Magnitude[]b/ft	End Magnitude[lb/ft.F	. Start Location[ft,%]	End Location[ft,%]
	Member Label	V	1.525	1.525	0	%100
115	M122		-2.641	-2.641	0	%100
116	M122	<u></u>		1.525	0	%100
117	M123	X	1.525		0	%100
118	M123	Z	-2.641	-2.641		%100
119	M124	X	0	0	0	
120	M124	Z	0	0	0	%100
121	M125	X	1.805	1.805	0	%100
	M125	7	-3.127	-3,127	0	%100
122	M125	X	1.805	1.805	0	%100
123		7	-3.127	-3.127	0	%100
124	M126	<u>L</u>		2.602	0	%100
125	M127	X	2.602	and the second se	0	%100
126	M127	Z	-4.507	-4.507		%100
127	MP3C	X	1.887	1.887	0	10-12-bit of a stream of the st
128	MP3C	Z	-3.269	-3.269	0	%100
129	MP3B	X	1.887	1.887	0	%100
130	MP3B	Z	-3.269	-3.269	0	%100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft.F	. Start Location[ft,%]	End Location[ft,%]
1	Member Laber M20	X	.916	.916	0	%100
2	M20	Z	529	529	0	%100
3	M32	X	.916	.916	0	%100
	M32	Z	529	529	0	%100
4	M33A	X	3.663	3.663	0	%100
5		Z	-2.115	-2.115	0	%100
6	M33A MP1A	X	2.953	2.953	0	%100
7		Z	-1.705	-1.705	0	%100
8	MP1A	X	3.269	3.269	Ō	%100
9	MP3A	Z	-1.887	-1.887	0	%100
10	МРЗА	X	2.953	2.953	0	%100
11	MP4A	Z	-1.705	-1.705	0	%100
12	MP4A		0	0	0	%100
13	M72A	<u> </u>	0	0	0	%100
14	M72A	Z		3.466	0	%100
15	M73	<u> </u>	3.466	-2.001	0	%100
16	M73	Z	-2.001		0	%100
17	M74	X	3.466	3.466	0	%100
18	M74	Z	-2.001	-2.001	0	%100
19	M75	X	4.721	4.721	0	%100
20	M75	Z	-2.726	-2.726		%100
21	M78	X	.85	.85	0	%100
22	M78	Z	491	491	0	%100
23	M79	X	.85	.85	0	
24	M79	Z	491	491	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	1.176	1.176	0	%100
28	M85	Z	679	679	0	%100
29	M87A	X	1.211	1.211	0	%100
30	M87A	Z	699	699	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	0	0	0	%100
32	M90A	X	1.176	1.176	0	%100
	M90A	Z	679	679	0	%100
34	M90A M92	X	1.211	1.211	0	%100
35		Z	699	699	0	%100
36	M92	X	2.775	2.775	0	%100
37	M50A		2.110			



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
38	M50A	Z	-1.602	-1.602	0	%100
39	M51A	X	.866	.866	0	%100
40	M51A	Z	5	5	0	%100
41	M52	X	.866	.866	0	%100
42	M52	Z	5	5	0	%100
43	M53A	X	1.18	1.18	0	%100
44	M53A	Z	681	681	0	%100
45	M56	X	.85	.85	0	%100
46	M56	Z	491	491	0	%100
47	M57	X	3.399	3.399	0	%100
48	M57	Z	-1.962	-1.962	0	%100
49	M62	X	3.494	3.494	0	%100
50	M62	Z	-2.017	-2.017	0	%100
51	M63	X	4.705	4.705	0	%100
52	M63	Z	-2.717	-2.717	0	%100
53	M65	X	4.846	4.846	0	%100
54	M65	Z	-2.798	-2.798	0	%100
55	M67	X	3.494	3.494	0	<u>%100</u> %100
56	M67	Z	-2.017	-2.017	0	
57	M68	X	1.176	1.176		<u>%100</u>
58	M68	Z	679	679	0	%100
59	M70	X	1.211		0	%100
60	M70	Ż		1.211	0	%100
61	M70	X	699	699	0	%100
62	M72		2.775	2.775	0	%100
63	M73A	Z	-1.602	-1.602	0	%100
64		X	.866	.866	0	%100
65	M73A	Z	5	5	0	%100
	M74A	X	.866	.866	0	%100
66	M74A	Z	5	5	0	%100
67	M75A	X	1.18	1.18	0	%100
68	M75A	Z	681	681	0	%100
69	M78A	X	3.399	3.399	0	%100
70	M78A	Ż	-1.962	-1.962	0	%100
71	M79A	X	.85	.85	0	%100
72	M79A	Z	491	491	0	%100
73	M84A	X	3.494	3.494	0	%100
74	<u>M84A</u>	Z	-2.017	-2.017	0	%100
75	M85A	X	1.176	1.176	0	%100
76	M85A	Z	679	679	0	%100
77	M87	X	1.211	1.211	0	%100
78	M87	Z	699	699	0	%100
79	M89	X	3.494	3.494	0	%100
80	M89	Z	-2.017	-2.017	0	%100
81	M90	X	4.705	4.705	0	%100
82	M90	Z	-2.717	-2.717	0	%100
83	M92A	X	4.846	4.846	0	%100
84	M92A	Z	-2.798	-2.798	0	%100
85	MP2A	X	2.953	2.953	0	%100
86	MP2A	Ζ	-1.705	-1.705	0	%100
87	MP1C	X	2.953	2.953	0	%100
88	MP1C	Z	-1.705	-1.705	0	%100
89	MP4C	X	2.953	2.953	0	%100
90	MP4C	Z	-1.705	-1.705	0	%100
91	MP2C	X	2.953	2.953	0	%100
92	MP2C	Z	-1.705	-1.705	0	%100
93	MP1B	X	2.953	2.953	0	%100
94	MP1B	Z	-1.705	-1.705	0	%100
			1.100	-1.705	<u> </u>	78100

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft.F.	. Start Location[ft,%]	End Location[ft,%]
95	MP4B	X	2.953	2.953	0	%100
96	MP4B	Z	-1,705	-1.705	0	%100
97	MP2B	X	2.953	2.953	0	%100
98	MP2B	Z	-1.705	-1.705	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	2.107	2.107	0	%100
	M95	Z	-1.216	-1.216	0	%100
102	M95	X	2.107	2.107	0	%100
103		Z	-1.216	-1.216	0	%100
104	M96	X	2.428	2.428	0	%100
105	M98	Z	-1.402	-1.402	0	%100
106	M98	X	2.428	2.428	0	%100
107	M100	Z	-1.402	-1.402	0	%100
108	M100	X	.817	.817	0	%100
109	M101	Z	472	472	0	%100
110	M101	X	3.269	3.269	0	%100
111	M108	Z	-1.887	-1.887	0	%100
112	M108		.817	.817	0	%100
113	M115	X	472	472	0	%100
114	M115	Z		3.521	0	%100
115	M122	X	3.521	-2.033	0	%100
116	M122	Z	-2.033	.88	0	%100
117	M123	X		508	0	%100
118	M123	Z	508	508	0	%100
119	M124	X	.88	508	0	%100
120	M124	Z	508		0	%100
121	M125	X	4.047	4.047	0	%100
122	M125	Z	-2.336	-2.336	the second of the second se	%100
123	M126	X	2.667	2.667	0	%100
124	M126	Z	-1.54	-1.54	0	%100
125	M127	X	4.047	4.047	0	
126	M127	Z	-2.336	-2.336	0	%100
127	MP3C	X	3.269	3.269	0	%100
128	MP3C	Z	-1.887	-1.887	0	%100
129	MP3B	X	3.269	3.269	0	%100
130	MP3B	Z	-1.887	-1.887	0	%100

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

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

	Member Label	Direction	Start MagnitudeIlb/ft.	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft.%]
1	Member Laber M20	X	3.172	3.172	0	%100
	M20	7	0.01	0	0	%100
2	and the second s	- Z	0	0	0	%100
3	M32	7	0	0	0	%100
4	M32	X	3.172	3.172	0	%100
5	M33A	7	0	0	0	%100
6	<u>M33A</u>	<u> </u>	3.41	3.41	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	<u> </u>		3.774	0	%100
9	MP3A	X	3.774	0.114	0	%100
10	MP3A	Z	0			%100
11	MP4A	X	3.41	3.41	0	%100
12	MP4A	Ζ	0	0	0	
13	M72A	X	1.068	1.068	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	3.001	3.001	00	%100
16	M73	Z	0	0	0	%100
17	M74	X	3.001	3.001	0	%100



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

18	Member Label M74	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F 0	. Start Location[ft.%] 0	End Location(ft.% %100
19	M75	X	4.089	4.089	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	2.943	2.943	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	0	0	0	
25	M84	X	1.345	1.345	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	0	0		%100
28	M85	Z	0	0	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	0	0		%100
31	M89A	X	1.345	1.345	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	4.075	4.075	0	%100
34	M90A	Z	0		0	%100
35	M92	X	4.196	0	0	%100
36	M92	Z		4.196	0	%100
37	M50A	X	0	0	0	%100
38	M50A M50A	Ż		1.068	0	%100
39	M50A M51A		0	0	0	%100
40	M51A M51A	X Z	3.001	3.001	0	%100
41	M51A M52	X		0	0	%100
42	M52	Z	3.001	3.001	0	%100
43	M53A		0	0	0	%100
43		X	4.089	4.089	0	%100
45	M53A	Z	0	0	0	%100
45	M56	<u> </u>	0	0	0	%100
47	M56	Z	0	0	0	%100
47	M57	X	2.944	2.944	0	%100
40	M57	Z	0	0	0	%100
49 50	M62	X	1.345	1.345	0	%100
	M62	Z	0	0	0	%100
51 52	M63	X	4.075	4.075	0	%100
	M63	Z	0	0	0	%100
53	M65	<u> </u>	4.196	4.196	0	%100
54	M65	Z	0	0	0	%100
55	M67	<u> </u>	1.345	1.345	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	0	0	0	%100
51	M72	X	4.273	4.273	0	%100
52	M72	<u>Z</u>	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	0	0	0	%100
65	M74A	X	0	0	0	%100
56	M74A	<u>Z</u>	0	0	0	%100
57	M75A	X	0	0	0	%100
58	M75A	Z	0	0	0	%100
39	M78A	X	2.943	2.943	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	2.944	2.944	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	5.379	5.379	0	%100
74	M84A	7	0	0	0	%100



Member Distributed Loads	(BLC 56 : Structure Wi (90 Deg)) (Continued)	_
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	Member Label	Direction		.End Magnitude[lb/ft,F.		End Location[ft.%]
75	M85A	X	4.075	4.075	00	%100
76	M85A	Z	0	0	0	%100
77	M87	X	4.196	4.196	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	5.379	5.379	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	4.075	4.075	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	4.196	4.196	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	3.41	3.41	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1C	X	3.41	3.41	0	%100
88	MP1C	Z	0	0	0	%100
89	MP4C	X	3.41	3.41	0	%100
90	MP4C	Z	0	0	0	%100
90	MP4C MP2C	X	3.41	3.41	0	%100
92	MP2C	Z	0	0	0	%100
92	MP1B	X	3.41	3.41	0	%100
93	MP1B	Z	0	0	0	%100
	MP4B	X	3.41	3.41	0	%100
95	MP4B MP4B	Z	0	0	0	%100
96		X	3.41	3.41	0	%100
97	MP2B	Z	0	0	0	%100
98	MP2B	X	.811	.811	0	%100
99	M94	Z	0	0	0	%100
100	M94	X	3.243	3.243	0	%100
101	M95		0	0	0	%100
102	M95	Z	.811	.811	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	2.803	2.803	0	%100
05	M98	X	0	0	0	%100
106	M98	Z	2.803	2.803	0	%100
107	M100	<u> </u>		0	0	%100
108	M100	Z	0	0	0	%100
109	M101	X	0	0	0	%100
110	M101	<u>Z</u>	0	2.831	0	%100
111	M108	X	2.831	0	0	%100
112	M108	Z	0	2.831	0	%100
113	M115	x	2.831		0	%100
114	M115	Z	0	0	0	%100
115	M122	X	3.05	3.05	0	%100
116	M122	Z	0	0		
117	M123	X	0	0	0	<u>%100</u> %100
118	M123	Z	0	0	0	%100
119	M124	X	3.05	3.05	0	
120	M124	Z	0	0	0	%100
121	M125	X	5.204	5.204	0	%100
122	M125	Z	0	0	0	%100
123	M126	X	3.61	3.61	0	%100
124	M126	Z	0	0	0	%100
125	M127	X	3.61	3.61	0	%100
126	M127	Z	0	0	0	%100
127	MP3C	X	3.774	3.774	0	%100
128	MP3C	Z	0	0	0	%100
129	MP3B	X	3.774	3.774	0	%100
130	MP3B	7	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft		Start Location[ft,%]	End Location[ft,%]
1	M20	X	3.663	3.663	Q	%100
2	M20	Z	2.115	2.115	0	%100
3	M32	X	.916	.916	0	%100
4	M32	Z	.529	.529	0	%100
5	M33A	X	.916	.916	0	%100
6	M33A	Z	.529	.529	0	%100
7	MP1A	X	2.953	2.953	0	%100
8	MP1A	Z	1.705	1.705	0	%100
9	MP3A	X	3.269	3.269	0	%100
10	MP3A	Z	1.887	1.887	0	%100
11	MP4A	X	2.953	2.953	0	%100
12	MP4A	Z	1.705	1.705	0	%100
13	M72A	X	2.775	2.775	0	%100
14	M72A	Z	1.602	1.602	0	%100
15	M73	X	.866	.866	0	%100
16	M73	Z	.5	.5	0	
17	M74	X	.866	.866	0	<u>%100</u>
18	M74					%100
19	M75	Z X	.5	.5	0	%100
20	M75		1.18	1.18	0	%100
20		Z	.681	.681	0	%100
22	M78	X	3.399	3.399	0	%100
	M78	Z	1.962	1.962	0	%100
23	M79	X	.85	.85	0	%100
24	M79	Z	.491	.491	0	%100
25	M84	X	3.494	3.494	0	%100
26	M84	Z	2.017	2.017	0	%100
27	M85	X	1.176	1.176	0	%100
28	M85	Z	.679	.679	0	%100
29	M87A	X	1.211	1.211	0	%100
30	M87A	Z	.699	.699	0	%100
31	M89A	X	3.494	3.494	0	%100
32	<u>M89A</u>	Z	2.017	2.017	0	%100
33	M90A	X	4.705	4.705	0	%100
34	M90A	Z	2.717	2.717	0	%100
35	M92	X	4.846	4.846	0	%100
36	M92	Z	2.798	2.798	Ő	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	Ŏ	Ö	0	%100
39	M51A	X	3.466	3.466	0	%100
40	M51A	Z	2.001	2.001	0	%100
41	M52	X	3.466	3.466	0	%100
42	M52	Z	2.001	2.001	0	%100
43	M53A	X	4.721	4.721	0	%100
44	M53A	Z	2.726		0	
45	M56	X	.85	2.726		%100
46	M56	Z		.85	0	%100
40	M50 M57		.491	.491	0	%100
48	M57	X Z	.85	.85	0	%100
49	M62		.491	.491	0	%100
		X	0	0	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	1.176	1.176	0	%100
52	M63	Z	.679	.679	0	%100
53	M65	X	1.211	1.211	0	%100
54	M65	Z	.699	.699	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	1.176	1.176	0	%100

RISA-3D Version 17.0.4 [R:\...\..\..\..\..\..\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



Member Distributed Loads (BLC 57 : Structure	e WI	(120 Deg))	(Continuea)
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	Member Label	Direction		.End Magnitude(Ib/ft,F.	. Start Location[ft.%]	End Location[ft,%]
58	M68	Z	.679	.679	0	%100
59	M70	X	1.211	1.211	0	%100
60	M70	Z	.699	.699	0	%100
61	M72	X	2.775	2.775	0	%100
62	M72	Z	1.602	1.602	0	%100
63	M73A	X	.866	.866	0	%100
64	M73A	Z	.5	.5	0	%100
65	M74A	X	.866	.866	0	%100
66	M74A	Z	.5	.5	0	%100
67	M75A	X	1.18	1.18	0	%100
68	M75A	Z	.681	.681	0	%100
69	M78A	X	.85	.85	0	%100
70	M78A	Z	.491	.491	0	%100
71	M79A	X	3.399	3.399	0	%100
72	M79A	Z	1.962	1.962	0	%100
73	M84A	X	3.494	3.494	0	%100
74	M84A	Z	2.017	2.017	0	%100
75	M85A	X	4.705	4.705	0	%100
76	M85A	Z	2.717	2.717	0	%100
77	M87	X	4.846	4.846	0	%100
78	M87	Z	2.798	2.798	0	%100
79	M89	X	3.494	3.494	0	%100
80	M89	Z	2.017	2.017	0	%100
81	M90	X	1.176	1.176	0	%100
82	M90	Z	.679	.679	0	%100
83	M92A	X	1.211	1.211	0	%100
84	M92A	Z	.699	.699	0	%100
85	MP2A	X	2.953	2.953	0	%100
86	MP2A	Z	1.705	1.705	0	%100
87	MP1C	X	2.953	2.953	0	%100
88	MP1C	Z	1.705	1.705	0	%100
89	MP4C	X	2.953	2.953	0	%100
90	MP4C	Z	1.705	1.705	0	%100
91	MP2C	X	2.953	2.953	0	%100
92	MP2C	Z	1.705	1.705	0	%100
93	MP1B	X	2.953	2.953	0	%100
94	MP1B	Z	1.705	1.705	0	%100
95	MP4B	X	2.953	2.953	0	%100
95	MP4B	Z	1.705	1.705	0	%100
97	MP2B	X	2.953	2.953	0	%100
98	MP2B	Z	1.705	1.705	0	%100
99	M94	X	2.107	2.107	0	%100
100	M94	Z	1.216	1.216	0	%100
101	M95	X	2.107	2.107	0	%100
	M95	Z	1.216	1.216	0	%100
102	M96	X	0	0	0	%100
103		Z	0	0	0	%100
104	M96	X	2.428	2.428	0	%100
105	M98	Z	1.402	1.402	0	%100
106	M98	X	2.428	2.428	0	%100
107	M100	Z	1.402	1.402	Ő	%100
108	M100	X	.817	.817	0	%100
109	M101		.472	.472	Ő	%100
110	M101	Z	.817	.817	0	%100
111	M108	X	.472	.472	0	%100
112	M108	Z	3.269	3.269	0	%100
113	M115	X	1.887	1.887	Ö	%100
114	M115		1.007	1.007		Page 131

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



July 19, 2023 3:04 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,%]
115	M122	X	.88	.88	0	%100
116	M122	Z	.508	.508	0	%100
117	M123	X	.88	.88	0	%100
118	M123	Z	.508	.508	0	%100
119	M124	X	3.521	3.521	0	%100
120	M124	Z	2.033	2.033	0	%100
121	M125	X	4.047	4.047	0	%100
122	M125	Z	2.336	2.336	0	%100
123	M126	X	4.047	4.047	0	%100
124	M126	Z	2.336	2.336	0	%100
125	M127	X	2.667	2.667	0	%100
126	M127	Z	1.54	1,54	0	%100
127	MP3C	X	3.269	3.269	0	%100
128	MP3C	Z	1.887	1.887	0	%100
129	MP3B	X	3.269	3.269	0	%100
130	MP3B	Z	1.887	1.887	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[Ib/ft,F	Start Location[ft,%]	End Location[ft,%]
1	M20	X	1.586	1.586	0	%100
2	M20	Z	2.747	2.747	0	%100
3	M32	X	1.586	1.586	0	%100
4	M32	Z	2.747	2.747	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	1.705	1,705	0	%100
8	MP1A	Z	2.953	2.953	0	%100
9	MP3A	X	1.887	1.887	0	%100
10	MP3A	Z	3.269	3.269	0	%100
11	MP4A	X	1.705	1,705	0	%100
12	MP4A	Z	2.953	2.953	0	%100
13	M72A	X	2.137	2.137	0	%100
14	M72A	Z	3.701	3.701	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	0	0	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	1.472	1.472	0	%100
22	M78	Z	2.549	2.549	0	%100
23	M79	X	1.472	1.472	0	%100
24	M79	Z	2.549	2.549	0	%100
25	M84	X	2.69	2.69	0	%100
26	M84	Z	4.659	4.659	Ö	%100
27	M85	X	2.037	2.037	0	%100
28	M85	Z	3.529	3.529	0	%100
29	M87A	X	2.098	2.098	0	%100
30	M87A	Z	3.634	3.634	0	%100
31	M89A	X	2.69	2.69	0	%100
32	M89A	Z	4.659	4.659	0	%100
33	M90A	X	2.037	2.037	0	%100
34	M90A	Z	3.529	3.529	Ö	%100
35	M92	X	2.098	2.098	0	%100
36	M92	Z	3.634	3.634	0	%100
37	M50A	X	.534	.534	0	%100



Member Distributed Loads (BLC 58 : Structure Wi	(150 Deg)) (Continue	d)
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	Member Label	Direction	Start Magnitude[lb/ft,.	End Magnitude[lb/ft,F.	Start Location[ft.%]	End Location[ft,%]
38	M50A	Z	.925	.925	0	<u>%100</u> %100
39	M51A	X	1.501	1.501	0	%100
40	M51A	Z	2.599	2.599	0	%100
41	M52	X	1.501	1.501		%100
42	M52	Z	2.599	2,599	0	%100
43	M53A	X	2.044	2.044	0	%100
44	M53A	Z	3.541	3.541	0	%100
45	M56	X	1,472	1.472	0	%100
46	M56	Z	2.549	2.549	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	.672	.672	0	%100
50	M62	Z	1.165	1.165	0	%100
51	M63	X	0	0	0	
52	M63	Z	0	0	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	.672	.672	0	%100
56	M67	Z	1.165	1.165	0	%100
57	M68	X	2.037	2.037	0	%100
58	M68	Z	3.529	3.529	0	%100
59	M70	X	2.098	2.098	0	%100
50	M70	Z	3.634	3.634	0	%100
51	M72	X	.534	.534	0	%100
52	M72	Z	.925	.925	0	%100
63	M73A	X	1.501	1.501	0	%100
64	M73A	Z	2.599	2.599	0	%100
55	M74A	X	1.501	1.501	0	%100
56	M74A	Z	2.599	2.599	0	%100
57	M75A	X	2.044	2.044	0	%100
58	M75A	Z	3.541	3.541	0	%100
59 59	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	1.472	1.472	0	%100
72	M79A	Z	2.549	2.549	0	%100
73	M84A	X	.672	.672	0	%100
74	M84A	Z	1.165	1.165	0	%100
75	M85A	X	2.037	2.037	0	%100
76	M85A	Z	3.529	3.529	0	%100
77	M87	X	2.098	2.098	0	%100
78	M87	Z	3.634	3.634	0	%100
79	M89	X	.672	.672	0	%100
	M89	Z	1.165	1.165	0	%100
30 31	M90	X	0	0	0	%100
32	M90	Z	Ū Ū	0	0	%100
	M90 M92A	X	0	0	0	%100
33	M92A M92A	Z	0	0	0	%100
84	M92A MP2A	X	1.705	1.705	0	%100
85	MP2A MP2A	Z	2.953	2.953	0	%100
86		X	1.705	1.705	0	%100
87	MP1C	Z	2.953	2.953	0	%100
88	MP1C	X	1.705	1.705	0	%100
89	MP4C	Z	2.953	2.953	0	%100
90	MP4C		1.705	1.705	0	%100
91	MP2C	X	2.953	2.953	0	%100
92	MP2C	Z	1.705	1.705	0	%100
93	MP1B	X	2.953	2.953	0	%100
94	MP1B	Z	2.900	2,000		Page 133



## 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,%]
95	MP4B	X	1.705	1.705	0	%100
96	MP4B	Z	2.953	2.953	0	%100
97	MP2B	X	1.705	1.705	0	%100
98	MP2B	Z	2.953	2.953	0	%100
99	M94	X	1.622	1.622	0	%100
100	M94	Z	2.809	2.809	0	%100
101	M95	X	.405	.405	0	%100
102	M95	Z	.702	.702	0	%100
103	M96	X	.405	.405	0	%100
104	M96	Z	.702	.702	0	%100
105	M98	X	1.402	1.402	0	%100
106	M98	Z	2.428	2.428	0	%100
107	M100	X	1.402	1.402	0	%100
108	M100	Z	2.428	2.428	0	%100
109	M101	X	1.415	1.415	0	%100
110	M101	Z	2.452	2.452	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	1.415	1.415	0	%100
114	M115	Z	2.452	2.452	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	1.525	1.525	0	%100
118	M123	Z	2.641	2.641	0	%100
119	M124	X	1.525	1.525	0	%100
120	M124	Z	2.641	2.641	0	%100
121	M125	X	1.805	1.805	0	%100
122	M125	Z	3.127	3.127	Ŏ	%100
123	M126	X	2.602	2.602	0	%100
124	M126	Z	4.507	4.507	Ő	%100
125	M127	X	1.805	1.805	0	%100
126	M127	Z	3.127	3.127	0	%100
127	MP3C	X	1.887	1.887	0	%100
128	MP3C	Z	3.269	3.269	0	%100
129	MP3B	X	1.887	1.887	0	%100
130	MP3B	Z	3.269	3.269	Ö	%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	M20	X	0	0	0	%100
2	M20	Z	1.057	1.057	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	4.23	4.23	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	1.057	1.057	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	3.41	3.41	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	3.774	3.774	0	%100
11	MP4A	X	0	0	0	%100
12	MP4A	Z	3.41	3.41	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	3.205	3.205	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	1	1	0	%100
17	M74	X	0	0	0	%100



Member Distributed Loads (B)	LC 59 :	Structure Wi	(180 Deg))	(Continued)
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	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.		End Location ft.%
18	M74	Z	1	1	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	1.363	1.363	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	.981	.981	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	3.925	3.925	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	4.034	4.034	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	5.433	5.433		%100
29	M87A	X	0	0	0	%100
30	M87A	Z	5.595	5.595	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	4.034	4.034	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	1.358	1.358	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	1.399	1.399	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	3.205	3.205	0	%100
39	M51A	X	0	0	0	%100
	M51A	Z	1	1	0	%100
10	M51A M52	X	0	0	0	%100
11		Z	1	1	0	%100
12	M52	X	0	0	0	%100
13	M53A	Z	1.363	1.363	0	%100
14	M53A	X	0	0	0	%100
15	M56	Z	3.924	3.924	0	%100
16	M56		0	0	0	%100
17	M57	X	.981	.981	ŏ	%100
18	M57	Z	0	0	0	%100
19	M62	X Z	4.034	4.034	0	%100
50	M62		0	0	0	%100
51	M63	X	1.358	1.358	0	%100
52	M63	Z		0	0	%100
53	M65	X	0	1.399	0	%100
54	M65	Z	1.399	0	0	%100
55	M67	<u> </u>	0	4.034	0	%100
56	M67	Z	4.034	in the second se	0	%100
57	M68	x	0	0	0	%100
58	M68	Z	5.433	5.433	0	%100
59	M70	X	0	0		%100
60	M70	Z	5.595	5.595	0	%100
51	M72	X	0	0	0	%100
52	M72	Z	0	0		
53	M73A	X	0	0	0	%100 %100
64	M73A	Z	4.002	4.002	0	
35	M74A	X	0	0	0	%100
6	M74A	Z	4.002	4.002	0	%100
67	M75A	X	0	0	0	%100
58	M75A	Z	5.452	5.452	0	%100
59	M78A	X	0	0	0	%100
70	M78A	Z	.981	.981	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	.981	.981	0	%100
73	M84A	X	0	0	0	%100
1.0	M84A	7	0	0	0	%100



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

75	Member Label M85A	Direction X	Start Magnitude[lb/ft,	.End Magnitude[lb/ft.F. 0	Start Location[ft.%] 0	End Location[ft.%] %100
76	M85A	Z	1.358	1.358	0	
77	M87	X	0			%100
78	M87	Z	1.399	0 1.399	0	%100
79	M89				0	%100
80	M89	Z	0	0	0	%100
81			0	0	0	%100
	M90	X	0	0	0	%100
82	M90	Z	1.358	1.358	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	1.399	1.399	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	3.41	3.41	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	3.41	3.41	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	3.41	3.41	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	3.41	3.41	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	3.41	3.41	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	3.41	3.41	0	%100
97	MP2B	X	0			
98	MP2B	Z	3.41	0	0	%100
99	M94			3.41	0	%100
100	M94	Z	0	0	0	%100
101			2.433	2.433	0	%100
	M95	X	0	0	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	2.433	2.433	0	%100
105	M98	X	0	0	0	%100
106	M98	Z	2.803	2.803	0	%100
107	M100	X	0	0	0	%100
108	M100	Z	2.803	2.803	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	3.774	3.774	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	.944	.944	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	.944	.944	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	1.017	1.017	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	4.066	4.066	0	%100
119	M123	X	0	0		0/ 100
120	M124	Z	1.017		0	%100
121	M124 M125	X		1.017	0	%100
122	M125		0	0	0	%100
123		<u>Z</u>	3.079	3.079	0	%100
	M126	X	0	0	0	%100
124	M126	Z	4.673	4.673	0	%100
125	M127	X	0	0	0	%100
126	M127	Z	4.673	4.673	0	%100
127	MP3C	X	0	0	00	%100
128	MP3C	Z	3.774	3.774	0	%100
129	MP3B	X	0	0	0	%100
130	MP3B	Z	3.774	3.774	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft		Start Location[ft,%]	End Location[ft.%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	-1.586	-1.586	0	%100
4	M32	Z	2.747	2.747	0	%100
5	M33A	X	-1.586	-1.586	0	%100
6	M33A	Z	2.747	2.747	0	%100
7	MP1A	X	-1.705	-1.705	0	%100
	MP1A	Z	2.953	2.953	0	%100
8	MP IA MP3A	X	-1.887	-1.887	0	%100
9	MP3A	Z	3.269	3.269	0	%100
10		X	-1.705	-1.705	0	%100
11	MP4A	Z	2.953	2.953	0	%100
12	MP4A		534	534	0	%100
13	M72A	X	.925	.925	0	%100
14	M72A	Z		-1.501	0	%100
15	M73	X	-1.501	2.599	0	%100
16	M73	Z	2.599	-1.501	0	%100
17	M74	<u> </u>	-1.501	2.599	0	%100
18	M74	Z	2.599		0	%100
19	M75	X	-2.044	-2.044	0	%100
20	M75	Z	3.541	3.541		%100
21	M78	X	0	0	0	
22	M78	Z	0	0	0	%100
23	M79	X	-1.472	-1.472	0	%100
24	M79	Z	2.549	2.549	0	%100
25	M84	X	672	672	0	%100
26	M84	Z	1.165	1.165	0	%100
27	M85	X	-2.037	-2.037	0	%100
28	M85	Z	3.529	3.529	0	%100
29	M87A	X	-2.098	-2.098	0	%100
30	M87A	Z	3.634	3.634	0	%100
31	M89A	X	672	672	0	%100
32	M89A	Z	1.165	1.165	0	%100
33	M90A	x	0	0	0	%100
34	M90A	Z	0	0	0	%100
	M92	X	0	0	0	%100
35	M92	Z	0	0	0	%100
36		X	-2.137	-2.137	0	%100
37	M50A	Z	3.701	3.701	0	%100
38	M50A	X	0	0	0	%100
39	M51A	Z	0	0	0 O	%100
40	M51A		0	0	0	%100
41	M52	X		0	0	%100
42	M52	Z	0		0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	0		0	%100
45	M56	X	-1.472	-1.472	and the second se	%100
46	M56	Z	2.549	2.549	0	%100
47	M57	X	-1.472	-1.472	0	
48	M57	Z	2.549	2.549	0	%100
49	M62	X	-2.69	-2.69	0	%100
50	M62	Z	4.659	4.659	0	%100
51	M63	X	-2.037	-2.037	0	%100
52	M63	Z	3.529	3.529	0	%100
53	M65	X	-2.098	-2.098	0	%100
54	M65	Z	3.634	3.634	0	%100
55	M67	X	-2.69	-2.69	0	%100
56	M67	Z	4.659	4.659	0	%100
	10107	X	-2.037	-2.037	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

58	Member Label M68	Direction Z	Start Magnitude[lb/ft 3.529	.End Magnitude[lb/ft,F 3.529		End Location[ft,%
59	M70	X	-2.098	-2.098	0	%100
60	M70	Z			0	%100
61	M70	X	3.634	3.634	0	%100
62	M72	Z		534	0	%100
63	M73A		.925	.925	0	%100
64		X	-1.501	-1.501	0	%100
	M73A	Z	2.599	2.599	0	%100
65	M74A	X	-1.501	-1.501	0	%100
66	M74A	Z	2.599	2.599	0	%100
67	M75A	X	-2.044	-2.044	0	%100
68	M75A	Z	3.541	3.541	0	%100
69	M78A	X	-1.472	-1.472	0	%100
70	M78A	Z	2.549	2.549	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	672	672	0	%100
74	M84A	Z	1.165	1.165	0	%100
75	M85A	X	0	0	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	0	0	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	672	672	0	%100
80	M89	Z	1.165	1.165	0	
81	M90	X	-2.037	-2.037		%100
82	M90	Z	3.529		0	%100
83	M92A			3.529	0	%100
84	M92A M92A	X 7	-2.098	-2.098	0	%100
		Z	3.634	3.634	0	%100
85	MP2A	<u> </u>	-1.705	-1.705	0	%100
86	MP2A	Z	2.953	2.953	0	%100
87	MP1C	X	-1.705	-1.705	0	%100
88	MP1C	Z	2.953	2.953	0	%100
89	MP4C	X	-1.705	-1.705	0	%100
90	MP4C	Z	2.953	2.953	0	%100
91	MP2C	X	-1.705	-1.705	0	%100
92	MP2C	Z	2.953	2.953	0	%100
93	MP1B	X	-1.705	-1.705	0	%100
94	MP1B	Z	2.953	2.953	0	%100
95	MP4B	X	-1.705	-1.705	0	%100
96	MP4B	Z	2.953	2.953	0	%100
97	MP2B	X	-1.705	-1.705	0	%100
98	MP2B	Z	2.953	2.953	0	%100
99	M94	X	405	405	0	%100
00	M94	Z	.702	.702	0	01.100
01	M95	X	405	405	0	%100
02	M95	Z	.702	.702		%100
03	M96	X X	-1.622		0	%100
104	M96	Z		-1.622	0	%100
05	M98		2.809	2.809	0	%100
06		X	-1.402	-1.402	0 <	%100
	M98	Z	2.428	2.428	0	%100
07	<u>M100</u>	X	-1.402	-1.402	0	%100
80	M100	Z	2.428	2.428	0	%100
09	M101	X	-1.415	-1.415	0	%100
10	M101	Z	2.452	2.452	0	%100
11	M108	X	-1.415	-1.415	0	%100
12	M108	Z	2.452	2.452	0	%100
13	M115	X	0	0	0	%100
14	M115	7	0	0	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

	Company	3
DICK	Designer	- 8
IIKISA	Job Number	- 8
A NEMETSCHEK COMPANY	Model Name	1

#### July 19, 2023 3:04 PM Checked By:\_\_\_\_

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

	Member Label	Direction	Start Magnitudellb/ft.	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
115	M122	X	-1.525	-1.525	0	%100
116	M122	7	2.641	2.641	0	%100
117	M123	X	-1.525	-1.525	0	%100
118	M123	7	2.641	2.641	0	%100
119	M123	X	0	0	0	%100
120	M124	Z	0	0	0	%100
120	M124 M125	X	-1.805	-1.805	0	%100
121	M125	7	3,127	3.127	0	%100
123	M126	X	-1.805	-1.805	0	%100
123	M126	7	3.127	3.127	0	%100
124	M120	X	-2.602	-2.602	0	%100
125	M127	7	4.507	4.507	0	%100
	MP3C	X	-1.887	-1.887	0	%100
127	MP3C	7	3.269	3.269	0	%100
128	MP3B	X	-1.887	-1.887	0	%100
129 130	MP3B MP3B	Z	3.269	3.269	Ō	%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	M20	X	916	916	0	%100
2	M20	Z	.529	.529	0	%100
3	M32	X	916	916	0	%100
4	M32	Z	.529	.529	0	%100
5	M33A	X	-3.663	-3.663	0	%100
6	M33A	Z	2.115	2.115	0	%100
7	MP1A	X	-2.953	-2.953	0	%100
8	MP1A	Z	1.705	1.705	0	%100
9	MP3A	X	-3.269	-3.269	0	%100
10	MP3A	Z	1.887	1.887	0	%100
11	MP4A	X	-2.953	-2.953	0	%100
12	MP4A	Z	1.705	1.705	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	-3.466	-3.466	0	%100
16	M73	Z	2.001	2.001	0	%100
17	M75	X	-3.466	-3.466	0	%100
18	M74	Z	2.001	2.001	0	%100
19	M75	X	-4.721	-4.721	0	%100
20	M75	Z	2.726	2.726	0	%100
20	M75	X	85	85	0	%100
22	M78	Z	.491	.491	0	%100
23	M79	X	85	85	0	%100
23	M79	Z	.491	.491	0	%100
25	M84	X	0	0	0	%100
25	M84	Z	0	0	0	%100
20	M85	X	-1.176	-1.176	0	%100
28	M85	Z	.679	.679	0	%100
	M87A	X	-1.211	-1.211	0	%100
29	M87A	Z	.699	.699	0	%100
30	second and the second s	X	0	0	0	%100
31	M89A	Z	0	0	0	%100
32	M89A	X	-1.176	-1.176	0	%100
33	M90A	Z	.679	.679	0	%100
34	M90A	X	-1.211	-1.211	0	%100
35	M92		.699	.699	Ő	%100
36	M92	X	-2.775	-2.775	0	%100
37	M50A		-2.115	2.110		



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

38	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft.F.	Concept of the control instrument of the control of	End Location[ft,%]
	M50A	Z	1.602	1.602	0	%100
39	M51A	X	866	866	0	%100
40	M51A	Z	.5	.5	0	%100
41	M52	X	866	866	0	%100
42	M52	Z	.5	.5	0	%100
43	M53A	X	-1.18	-1.18	0	%100
44	M53A	Z	.681	.681	0	%100
45	M56	X	85	85	0	%100
46	M56	Z	.491	.491	0	%100
47	M57	X	-3.399	-3.399	0	%100
48	M57	Z	1.962	1.962	0	%100
49	M62	X	-3.494	-3.494	0	%100
50	M62	Z	2.017	2.017	Ő	%100
51	M63	X	-4.705	-4.705	0	%100
52	M63	Z	2.717	2.717	0	%100
53	M65	X	-4.846	-4.846	0	%100
54	M65	Z	2.798	2.798		
55	M67	X	-3.494	-3.494	0	%100
56	M67	Z	2.017	2.017	0	%100
57	M68	X			0	%100
58	M68		-1.176	-1.176	0	%100
59		Z	.679	.679	0	%100
60	M70	X	-1.211	-1.211	0	%100
	M70	Z	.699	.699	0	%100
61	M72	X	-2.775	-2.775	0	%100
62	M72	Z	1.602	1.602	0	%100
63	M73A	X	866	866	0	%100
64	M73A	Z	.5	.5	0	%100
65	M74A	X	866	866	0	%100
66	M74A	Z	.5	.5	0	%100
67	M75A	X	-1.18	-1.18	0	%100
68	M75A	Z	.681	.681	0	%100
69	M78A	X	-3.399	-3.399	0	%100
70	M78A	Z	1.962	1.962	0	%100
71	M79A	X	85	85	0	%100
72	M79A	Z	.491	.491	Ő	%100
73	M84A	X	-3.494	-3.494	0	%100
74	M84A	Z	2.017	2.017	0	%100
75	M85A	X	-1.176	-1.176	0	%100
76	M85A	Z	.679	.679	0	%100
77	M87	X	-1.211	-1.211	0	
78	M87	Z	.699	.699	0	%100
79	M89	X	-3,494			%100
80	M89	Z		-3.494	0	%100
			2.017	2.017	0	%100
81	M90	X	-4.705	-4.705	0	%100
82	M90	Z	2.717	2.717	0	%100
83	M92A	<u> </u>	-4.846	-4.846	0	%100
84	M92A	Z	2.798	2.798	0	%100
85	MP2A	X	-2.953	-2.953	0	%100
86	MP2A	Z	1.705	1.705	0	%100
87	MP1C	X	-2.953	-2.953	0	%100
88	MP1C	Z	1.705	1.705	0	%100
89	MP4C	X	-2.953	-2.953	0	%100
90	MP4C	Z	1.705	1.705	Ő	%100
91	MP2C	X	-2.953	-2.953	0	%100
92	MP2C	Z	1.705	1.705	0	%100
93	MP1B	X	-2.953	-2.953	0	%100
94	MP1B	Z.	1.705	1.705	0	%100



#### July 19, 2023 3:04 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.%]
95	MP4B	X	-2.953	-2.953	0	%100
96	MP4B	Z	1.705	1.705	0	%100
97	MP2B	X	-2.953	-2.953	0	%100
98	MP2B	Z	1.705	1.705	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	-2.107	-2.107	0	%100
102	M95	Z	1.216	1.216	0	%100
103	M96	X	-2.107	-2,107	0	%100
104	M96	Z	1.216	1.216	0	%100
104	M98	X	-2.428	-2.428	0	%100
106	M98	Z	1.402	1,402	0	%100
107	M100	X	-2.428	-2.428	0	%100
108	M100	Z	1.402	1.402	0	%100
109	M100	X	817	817	0	%100
110	M101	Z	.472	.472	0	%100
111	M108	X	-3.269	-3.269	0	%100
112	M108	Z	1.887	1.887	0	%100
113	M100	X	817	817	0	%100
114	M115	Z	472	.472	0	%100
114	M122	X	-3.521	-3.521	0	%100
116	M122	Z	2.033	2.033	0	%100
117	M123	X	88	88	0	%100
118	M123	Z	.508	.508	0	%100
119	M124	X	88	88	0	%100
120	M124	Z	.508	.508	0	%100
121	M125	X	-4.047	-4.047	0	%100
122	M125	Z	2.336	2.336	0	%100
123	M125	X	-2.667	-2.667	0	%100
	M126	Z	1.54	1.54	0	%100
124		X	-4.047	-4.047	0	%100
125	M127	Z	2.336	2.336	0	%100
126	M127	X	-3.269	-3.269	0	%100
127	MP3C	Z	1.887	1.887	Ö	%100
128	MP3C	X	-3.269	-3.269	0	%100
129 130	MP3B MP3B	Z	1.887	1.887	Ő	%100

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

	Member Label	Direction	Start MagnitudeIIb/ft	End Magnitude[lb/ft,F.,	. Start Location[ft,%]	End Location[ft,%]
1	M20	X	-3.172	-3.172	0	%100
2	M20	7	0	0	0	%100
3	M20 M32	X	0	0	0	%100
4	M32	7	0	0	0	%100
5	M33A	X	-3.172	-3.172	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	-3.41	-3.41	0	%100
8	MP1A	7	0	0	0	%100
9	MP3A	X	-3.774	-3.774	0	%100
10	MP3A	Z	0	0	0	%100
11	MP4A	X	-3.41	-3.41	0	%100
12	MP4A	7	0	0	0	%100
13	M72A	X	-1,068	-1.068	0	%100
14	M72A	7	0	0	0	%100
15	M73	X	-3.001	-3.001	0	%100
16	M73	Z	0	0	0	%100
17	M73	X	-3.001	-3.001	0	%100



July 19, 2023 3:04 PM Checked By:\_

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

18	Member Label M74	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F 0	. Start Location[ft,%] 0	End Location[ft,9 %100
19	M75	X	-4.089	-4.089	0 0	%100
20	M75	Z	0	0	0	%100
21	M78	X	-2.943	-2.943	0	%100
22	M78	Z	0	0	Ő	%100
23	M79	X	0	0	0	%100
24	M79	Z	0	0	Ő	%100
25	M84	X	-1.345	-1.345	Ö	%100
26	M84	Z	0	0	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	0	ŏ	0	%100
29	M87A	X	1 0	0	0	%100
30	M87A	Z	0	Ö	0	%100
31	M89A	X	-1.345	-1.345	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	-4.075	-4.075	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	-4.196	-4.196	0	%100
36	M92	Ž	0	0	0	%100
37	M50A	X	-1.068	-1.068	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	-3.001	-3.001	0	%100
40	M51A	Z	0.001	0	0	%100
41	M52	X	-3.001	-3.001	0	%100
42	M52	Z	0.001	0.001	0	%100
43	M53A	X	-4.089	-4.089	0	%100
44	M53A	Z	0	-4.000	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	-2.944	-2.944	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	-1.345	-1.345	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	-4.075	-4.075	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	-4.196	-4.196	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	-1.345	-1.345	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	Ö	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	0	0	0	%100
50 51	M72	X	-4.273	-4.273	0	%100
62	M72	Z	0	0	0	%100
53	M73A	X	0	0	0	%100
64	M73A	Z	0	0	0	%100
35	M74A	X	0	0	0	%100
36	M74A	Z	0	0	0	%100
57 57	M75A	X	0	0	0	%100
68	M75A	Z	0	0	0	%100
69	M78A	X	-2.943	-2.943	0	%100
70	M78A	Z	-2.943	-2.943	0	
71	M79A	X	-2.944	-2.944	0	<u>%100</u>
72	M79A	Z	-2.944	-2.944	0	%100
73	M84A	X	-5.379		0	<u>%100</u>
74	M84A	7	-5.379	-5.379	0	%100
13	MOHA	L	U	0	U	%100

RISA-3D Version 17.0.4 [R:\...\..\..\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



Member Distributed Loads (BLC 62 :	Structure Wi	(270 Deg)) (Co	ntinued)
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	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.	Start Location[ft.%]	End Location[ft,%]
75	M85A	X	-4.075	-4.075	0	%100
76	M85A	Z	0	Q	0	%100
77	M87	X	-4.196	-4.196	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	-5.379	-5.379	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	-4.075	-4.075	0	%100
82	M90	Z	0	Q	0	%100
83	M92A	X	-4.196	-4.196	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	-3.41	-3.41	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1C	X	-3.41	-3.41	0	%100
88	MP1C	Z	0	0	0	%100
89	MP4C	X	-3.41	-3.41	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-3.41	-3.41	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1B	X	-3.41	-3.41	0	%100
94	MP1B	Z	0	Q	0	%100
95	MP4B	X	-3.41	-3.41	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	-3.41	-3.41	0	%100
98	MP2B	Z	0	0	0	%100
99	M94	X	811	811	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	-3.243	-3.243	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	811	811	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	-2.803	-2.803	0	%100
106	M98	Z	0	0	0	%100
107	M100	X	-2.803	-2.803	0	%100
108	M100	Z	0	0	0	%100
109	M100	X	0	0	0	%100
110	M101	Z	0	0	0	%100
111	M108	X	-2.831	-2.831	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	-2.831	-2.831	0	%100
114	M115	Z	0	0	0	%100
115	M122	X	-3.05	-3.05	0	%100
116	M122	Z	0	0	0	%100
117	M122	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M123	X	-3.05	-3.05	0	%100
120	M124 M124	Z	0	0	0	%100
121	M124 M125	X	-5.204	-5.204	0	%100
122	M125	Z	0	0	0	%100
	M125	X	-3.61	-3.61	0	%100
123	M126	Z	0	0	0	%100
124	M120 M127	X	-3.61	-3.61	0	%100
125	M127 M127	Z	0	0	0	%100
126		X	-3.774	-3.774	0	%100
127	MP3C	ź	0	0.174	0	%100
128	MP3C	X	-3.774	-3.774	0	%100
129	MP3B	Z	0	0	0	%100
130	MP3B	6	0			



1

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

4	Member Label	Direction	Start Magnitude[lb/ft,.	End Magnitude[lb/ft,F.		End Location[ft,%]
1	M20	<u> </u>	-3.663	-3.663	0	%100
2	M20	Z	-2.115	-2.115	0	%100
3	M32	X	916	916	0	%100
4	M32	Z	529	529	0	%100
5	M33A	X	916	916	0	%100
6	M33A	Z	529	529	0	%100
7	MP1A	X	-2.953	-2.953	0	%100
8	MP1A	Z	-1.705	-1.705	0	%100
9	MP3A	X	-3.269	-3.269	0	%100
10	MP3A	Z	-1.887	-1.887	0	%100
11	MP4A	X	-2.953	-2.953	0	%100
12	MP4A	Z	-1.705	-1.705	0	%100
13	M72A	X	-2.775	-2.775	0	%100
14	M72A	Z	-1.602	-1.602	0	%100
15	M73	X	866	866	0	%100
16	M73	Z	5	5	0	%100
17	M74	X	866	866	0	%100
18	M74	Z	5	5	0	%100
19	M75	X	-1.18	-1.18	0	%100
20	M75	Z	681	681	0	%100
21	M78	X	-3.399	-3.399	0	%100
22	M78	Z	-1.962	-1.962	0	%100
23	M79	X	85	85	0	%100
24	M79	Z	491	491	0	%100
25	M84	X	-3.494	-3.494	0	%100
26	M84	Z	-2.017	-2.017	0	%100
27	M85	X	-1.176	-1.176	0	%100
28	M85	Z	679	679	0	%100
29	M87A	X	-1.211	-1.211	0	%100
30	M87A	Z	699	699	0	%100
31	M89A	X	-3.494	-3.494	0	%100
32	M89A	Z	-2.017	-2.017	0	%100
33	M90A	X	-4.705	-4.705	0	%100
34	M90A	Z	-2.717	-2.717	0	%100
35	M92	X	-4.846	-4.846		%100
36	M92	Z	-2.798	-4.840	0	
37	M50A	X	0	-2.798	0	%100 %100
38	M50A	Z	0	0	0	
39	M51A	X	-3.466	-3.466	0	%100 %100
40	M51A	Z	-2.001	-3.400		
41	M52	X	-3.466		0	%100
42	M52	Z	-2.001	-3.466	0	%100
43	M53A	X	-4.721	-2.001	0	%100
44	M53A	Z		-4.721	0	%100
45	M56		-2.726	-2.726	0	%100
45	M56	X Z	85	85	0	%100
40	M57		491	491	0	%100
47	M57	X 7	85	85	0	%100
		Z	491	491	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	-1.176	-1.176	0	%100
52	M63	Z	679	679	0	%100
53	M65	X	-1.211	-1.211	0	%100
54	M65	Z	699	699	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	-1.176	-1.176	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

	Member Label	Direction		End Magnitude[lb/ft,F.,		End Location(ft.%) %100
58	M68	Z	679	679	00	%100
59	M70	X	-1.211	-1.211		%100
60	M70	Z	699	699	0	%100
61	M72	X	-2.775	-2.775	0	%100
62	M72	Z	-1.602	-1.602		%100
63	M73A	X	866	866	0	%100
64	M73A	Z	5	5	0	%100
65	M74A	X	866	866	0	%100
66	M74A	Z	-,5	5	0	%100
67	M75A	X	-1.18	-1.18	0	%100
68	M75A	Z	681	681	0	%100
69	M78A	X	85	85	0	%100
70	M78A	Z	491	491	0	%100
71	M79A	X	-3.399	-3.399	0	%100
72	M79A	Z	-1.962	-1.962	0	
73	M84A	X	-3.494	-3.494	0	%100 %100
74	M84A	Z	-2.017	-2.017	0	%100
75	M85A	X	-4.705	-4.705	0	
76	M85A	Z	-2.717	-2.717	0	<u>%100</u> %100
77	M87	X	-4.846	-4.846	0	%100
78	M87	Z	-2.798	-2.798	0	
79	M89	X	-3.494	-3.494	0	%100 %100
80	M89	Z	-2.017	-2.017	0	
81	M90	X	-1.176	-1.176	0	%100 %100
82	M90	Z	679	679	0	%100
83	M92A	X	-1.211	-1.211	0	%100
84	M92A	Z	699	699	0	%100
85	MP2A	X	-2.953	-2.953	0	
86	MP2A	Z	-1.705	-1.705	0.	<u>%100</u> %100
87	MP1C	X	-2.953	-2.953	0	%100
88	MP1C	Z	-1.705	-1.705	0	
89	MP4C	X	-2.953	-2.953	0	%100
90	MP4C	Z	-1.705	-1.705	0	%100 %100
91	MP2C	X	-2.953	-2.953	0	
92	MP2C	Z	-1.705	-1.705	0	%100
93	MP1B	X	-2.953	-2.953	0	%100
94	MP1B	Z	-1.705	-1.705	0	%100
95	MP4B	X	-2.953	-2.953	0	%100
96	MP4B	Z	-1.705	-1.705	0	%100
97	MP2B	X	-2.953	-2.953	0	%100
98	MP2B	Z	-1.705	-1.705	0	%100
99	M94	X	-2.107	-2.107	0	%100
100	M94	Z	-1.216	-1.216	0	%100
101	M95	X	-2.107	-2.107	0	%100
102	M95	Z	-1.216	-1.216	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	-2.428	-2.428	0	%100
106	M98	Z	-1.402	-1.402	0	%100
107	M100	X	-2.428	-2.428	0	%100
108	M100	Z	-1.402	-1.402	0	%100
109	M101	X	817	817	0	%100
110	M101	Z	472	472	0	%100
111	M108	X	817	817	0	%100
112	M108	Z	472	472	0	%100
113	M115	X	-3.269	-3.269	0	%100
114	M115	7	-1.887	-1.887	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



### 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,%]
115	M122	X	88	88	0	%100
116	M122	Z	508	508	0	%100
117	M123	X	88	88	0	%100
118	M123	Z	508	508	0	%100
119	M124	X	-3.521	-3.521	0	%100
120	M124	Z	-2.033	-2.033	0	%100
121	M125	X	-4.047	-4.047	0	%100
122	M125	Z	-2.336	-2.336	0	%100
123	M126	X	-4.047	-4.047	0	%100
124	M126	Z	-2.336	-2.336	0	%100
125	M127	X	-2.667	-2.667	0	%100
126	M127	Z	-1.54	-1.54	0	%100
127	MP3C	X	-3.269	-3.269	0	%100
128	MP3C	Z	-1.887	-1.887	0	%100
129	MP3B	X	-3.269	-3.269	0	%100
130	MP3B	Z	-1.887	-1.887	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	M20	X	-1.586	-1.586	0	%100
2	M20	Z	-2.747	-2.747	0	%100
3	M32	X	-1.586	-1.586	0	%100
4	M32	Z	-2.747	-2.747	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	-1.705	-1.705	0	%100
8	MP1A	Z	-2.953	-2.953	0	%100
9	MP3A	X	-1.887	-1.887	0	%100
10	MP3A	Z	-3.269	-3.269	0	%100
11	MP4A	X	-1.705	-1.705	0	%100
12	MP4A	Z	-2.953	-2.953	0	%100
13	M72A	X	-2.137	-2.137	0	%100
14	M72A	Z	-3.701	-3.701	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	0	0	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	-1.472	-1.472	0	%100
22	M78	Z	-2.549	-2.549	0	%100
23	M79	X	-1.472	-1.472	0	%100
24	M79	Z	-2.549	-2.549	0	%100
25	M84	X	-2.69	-2.69	0	%100
26	M84	Z	-4.659	-4.659	0	%100
27	M85	X	-2.037	-2.037	0	%100
28	M85	Z	-3.529	-3.529	0	%100
29	M87A	X	-2.098	-2.098	0	%100
30	M87A	Z	-3.634	-3.634	0	%100
31	M89A	X	-2.69	-2.69	0	%100
32	M89A	Z	-4.659	-4.659	0	%100
33	M90A	X	-2.037	-2.037	0	%100
34	M90A	Z	-3.529	-3.529	0	%100
35	M92	X	-2.098	-2.098	0	%100
36	M92	Z	-3.634	-3.634	0	%100
37	M50A	X	534	534	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



## 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,%] %100
38	M50A	Z	925	925	0	%100
39	M51A	X	-1.501	-1.501	0	%100
40	M51A	Z	-2.599	-2.599	0	%100
41	M52	X	-1.501	-1.501	0	%100
42	M52	Z	-2.599	-2.599	0	%100
43	M53A	X	-2.044	-2.044	0	%100
44	M53A	Z	-3.541	-3.541	0	%100
45	M56	X	-1.472	-1.472	0	%100
46	M56	Z	-2.549	-2.549	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	672	672	0	%100
50	M62	Z	-1.165	-1.165	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	672	672	0	%100
56	M67	Z	-1.165	-1.165	0	%100
57	M68	X	-2.037	-2.037	0	%100
58	M68	Z	-3.529	-3.529		%100
59	M70	X	-2.098	-2.098	0	%100
60	M70	Z	-3.634	-3.634	0	%100
61	M72	X	534	534	0	%100
62	M72	Z	925	925	0	%100
63	M73A	X	-1.501	-1.501	0	%100
64	M73A	Z	-2.599	-2.599	0	%100
65	M74A	X	-1.501	-1.501	0	%100
66	M74A	Z	-2.599	-2.599	0	%100
67	M75A	X	-2.044	-2.044	0	%100
68	M75A	Z	-3.541	-3.541	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	-1.472	-1.472	0	%100
72	M79A	Z	-2.549	-2.549	0	%100
73	M84A	X	672	672	0	%100
74	M84A	Z	-1.165	-1.165	0	%100
75	M85A	X	-2.037	-2.037	0	%100
76	M85A	Z	-3.529	-3.529	0	%100
77	M87	X	-2.098	-2.098	0	%100
78	M87	Z	-3.634	-3.634	0	%100
79	M89	X	672	672	0	CONTRACTOR OF A
80	M89	Z	-1.165	-1.165	0	<u>%100</u> %100
81	M90	X	0	0	0	
82	M90	Z	0	0	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	-1.705	-1.705	0	%100
86	MP2A	Z	-2.953	-2.953	0	%100
87	MP1C	X	-1.705	-1.705	0	%100
88	MP1C	Z	-2.953	-2.953	0	%100
89	MP4C	X	-1.705	-1.705	0	%100
90	MP4C	Z	-2.953	-2.953	0	%100
91	MP2C	X	-1.705	-1.705	0	%100
92	MP2C	Z	-2.953	-2.953	0	%100
93	MP1B	X	-1.705	-1.705	0	%100
94	MP1B	Z	-2.953	-2.953	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



July 19, 2023 3:04 PM Checked By:\_\_\_\_

Member Distributed Loads (BLC 64 ; Structure Wi (	(330 Deg)) (Continued)
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	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
95	MP4B	X	-1.705	-1.705	0	%100
96	MP4B	Z	-2.953	-2.953	0	%100
97	MP2B	X	-1.705	-1.705	0	%100
98	MP2B	Z	-2.953	-2.953	0	%100
99	M94	X	-1.622	-1.622	0	%100
100	M94	Z	-2.809	-2.809	0	%100
101	M95	X	405	405	0	%100
102	M95	Z	702	702	0	%100
103	M96	X	405	405	0	%100
104	M96	Z	702	702	Ö	%100
105	M98	X	-1.402	-1.402	Ő	%100
106	M98	Z	-2.428	-2.428	Ö	%100
107	M100	X	-1.402	-1,402	0	%100
108	M100	Z	-2.428	-2.428	Ő	%100
109	M101	X	-1.415	-1.415	0	%100
110	M101	Z	-2.452	-2.452	Ő	%100
111	M108	X	0	0	Ő	%100
112	M108	Z	0	0	0	%100
113	M115	X	-1.415	-1.415	0	%100
114	M115	Z	-2.452	-2.452	Ö	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	Ő	Ő	%100
117	M123	X	-1.525	-1.525	0	%100
118	M123	Z	-2.641	-2.641	0	%100
119	M124	X	-1.525	-1.525	0	%100
120	M124	Z	-2.641	-2.641	0	%100
121	M125	X	-1.805	-1.805	0	%100
122	M125	Z	-3.127	-3.127	Ő	%100
123	M126	X	-2.602	-2.602	0	%100
124	M126	Z	-4.507	-4.507	0	%100
125	M127	X	-1.805	-1.805	0	%100
126	M127	Z	-3.127	-3.127	0	%100
127	MP3C	X	-1.887	-1.887	0	%100
128	MP3C	Z	-3.269	-3.269	0	%100
129	MP3B	X	-1.887	-1.887	0	%100
130	MP3B	Z	-3.269	-3.269	0	%100

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

	Member Label	Direction	Start MagnitudeIIb/ft	End Magnitude[lb/ft,F	Start Locationift %1	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	222	222	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	887	887	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	222	222	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	623	623	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	754	754	0	%100
11	MP4A	X	0	0	0	%100
12	MP4A	Z	623	623	ŏ	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	7	-7	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	244	244	0	%100
17	M74	x	0	0	0	%100



	Member Label	Direction	Start Magnitude[lb/ft	.,End Magnitude[lb/ft,F.	Start Location[ft.%]	End Location[ft.9
18	M74	Z	244	244	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	394	394	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	214	214	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	857	857	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	-1.188	-1.188	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	-1.603	-1.603	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	-1.662	-1.662	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	-1.188	-1.188	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	401	401	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	415	415	0	%100
87	M50A	x	0	0	0	%100
38	M50A	Z	7	7	0	%100
39	M51A	X	0	0	0	%100
10	M51A	Z	244	244	0	%100
1	M512	X	0	0	0	%100
2	M52	Z	244	244	0	%100
3	M53A	X	0	0	0	%100
4	M53A	Z	394	394	0	%100
5	M56	X	0	0	0	%100
	M56	Z	857	857	0	%100
16 17	M50 M57	X	0	0	0	%100
	M57	Z	214	214	0	%100
8	M62	X	0	0	0	%100
19	M62	Z	-1.188	-1.188	0	%100
50		X	0	0	0	%100
51	M63	Z	401	401	0	%100
52	M63	X	0	0	0	%100
53	M65	Z	415	415	Ŏ	%100
54	M65	X	0	0	0	%100
55	M67	Z	-1.188	-1.188	Ő	%100
6	M67	X	0	0	0	%100
57	M68	Z	-1.603	-1.603	Ö	%100
8	M68	X	0	0	0	%100
59	M70	Z	-1.662	-1.662	Ő	%100
<u>50</u>	M70	X	-1.002	0	0	%100
51	M72		0	0	0	%100
2	M72	Z	0	0	0	%100
53	M73A	X	976	976	0	%100
64	M73A	Z	976	970	0	%100
5	M74A	X	976	976	0	%100
6	M74A	Z	970	0	0	%100
67	M75A	X 7	-1.574	-1.574	0	%100
8	M75A	Z		0	0	%100
69	M78A	X 7	214	214	0	%100
70	M78A	Z	and the second sec	214	0	%100
71	M79A	<u> </u>	0	214	0	%100
72	M79A	Z	214		0	%100
73	M84A	<u> </u>	0	0	0	%100
74	M84A	Z	0	U	U	70100

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

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



July 19, 2023 3:04 PM Checked By:

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

75	Member Label M85A	Direction X	Start Magnitude[lb/ft,	End Magnitude{Ib/ft,F. 0	Start Location[ft.%] 0	End Location[ft,%] %100
76	M85A	Z	401	401	0	%100
77	M87	X	0	401	0	%100
78	M87	Z	415	415	0	
79	M89	X	0	415	0	%100
80	M89	Z	0	0		%100
81	M90	X	0		0	%100
82	M90	Z	401	0	0	%100
83	M90			401	0	%100
84	M92A	X 7	0	0	0	%100
85	MP2A	Z	415	415	0	%100
86	MP2A MP2A	X	0	0	0	%100
		Z	623	623	0	%100
87	MP1C	<u>X</u>	0	0	0	%100
88	MP1C	Z	623	623	0	%100
89	MP4C	X	0	0	00	%100
90	MP4C	Z	623	623	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	623	623	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	623	623	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	623	623	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	623	623	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	57	57	0	%100
101	M95	X	0	0	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	57	57	0	%100
105	M98	X	0	0	0	%100
106	M98	Z	51	51	0	%100
107	M100	X	0	0	0	%100
108	M100	Z	51	51	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	754	754	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	189	189	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	189	189	Ő	%100
115	M122	X	0	0	0	%100
116	M122	Z	247	247	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	99	99	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	247	247	0	%100
121	M125	X	0	247	0	
122	M125	Z	863	863	0	%100 %100
123	M125	X	003	003	0	%100
123	M126	Z	-1.167	-1.167		
125	M120	X	-1.167		0	%100
125	M127			0	0	%100
120	MP3C	Z	-1.167	-1.167	0	%100
		X	0	0	0	%100
128	MP3C	Z	754	754	0	%100
129	MP3B	X	0	0	0	%100
130	MP3B	Z	754	754	0	%100



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

	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft.%
1	M20	X	0	0	0	%100 %100
2	<u>M20</u>	Z	0	0		%100
3	M32	X	.332	.332	0	%100
4	M32	Z	576	576	0	%100
5	M33A	X	.332	.332	0	%100
6	M33A	Z	576	576	0	
7	MP1A	X	.312	.312	0	%100 %100
8	MP1A	Z	54	54	0	
9	MP3A	X	.377	.377	0	%100
10	MP3A	Z	653	653	0	%100
11	MP4A	X	.312	.312	0	%100
12	MP4A	Z	54	54	0	%100
13	M72A	X	.117	.117	0	%100
14	M72A	Z	202	202	0	%100
15	M73	X	.366	.366	0	%100
16	M73	Z	634	634	0	%100
17	M74	X	.366	.366	0	%100
18	M74	Z	634	634	0	<u>%100</u> %100
19	M75	X	.59	.59	0	%100
20	M75	Z	-1.022	-1.022	0	<u>%100</u>
21	M78	X	0	0	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	.321	.321	0	%100
24	M79	Z	557	557	0	%100
25	M84	X	.198	.198	0	%100
26	M84	Z	343	343	0	%100
27	M85	X	.601	.601	0	%100
28	M85	Z	-1.041	-1.041	0	%100
29	M87A	X	.623	.623	0	%100
30	M87A	Z	-1.079	-1.079	0	%100
31	M89A	X	.198	.198	0	%100
32	M89A	Z	343	343	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	.467	.467	0	%100
38	M50A	Z	809	809	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	0	0	0	%100
12	M52	Z	0	0	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	.321	.321	0	%100
46	M56	Z	557	557	0	%100
47	M57	X	.321	.321	0	%100
48	M57	Z	557	557	0	%100
49	M62	X	.792	.792	0	%100
50	M62	Z	-1.372	-1.372	0	%100
51	M63	X	.601	.601	0	%100
52	M63	Z	-1.041	-1.041	0	%100
53	M65	X	.623	.623	0	%100
54	M65	Z	-1.079	-1.079	0	%100
55	M67	X	.792	.792	0	%100
56	M67	Z	-1.372	-1.372	0	%100
57	M68	X	.601	.601	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



July 19, 2023 3:04 PM Checked By:\_\_\_

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

58	Member Label M68	Direction	Start Magnitude[lb/ft -1.041	End Magnitude[lb/ft.F -1.041	. Start Location[ft,%] 0	End Location[ft,9 %100
59	M70	X	.623	.623	0	%100
60	M70	Ż	-1.079	-1.079	0	
61	M72	X	.117	.117	0	%100 %100
62	M72	Z	202	202	0	%100
63	M73A	X	.366	.366	0	%100
64	M73A	Z	634	634	0	
65	M74A	X	.366	.366	0	<u>%100</u> %100
66	M74A	Z	634	634	0	%100
67	M75A	X	.59	.59	0	%100
68	M75A	Z	-1.022	-1.022	0	%100
69	M78A	X	.321	.321	0	%100
70	M78A	Z	557	557	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	.198	.198	0	%100
74	M84A	Z	343	343	0	
75	M85A	X	343	343	0	<u>%100</u> %100
76	M85A	Z	0	0	0	%100
77	M87	X	0	0	0	
78	M87	Z	0	0	0	%100 %100
79	M89	X	.198	.198	0	%100
80	M89	7	343	343	0	%100
81	M90	X	.601	.601		%100
82	M90	Z	-1.041	-1.041	0	%100
83	M92A	X	.623	.623		
84	M92A	Z	-1.079	-1.079	0	%100
85	MP2A	X	.312	.312		%100
86	MP2A	Z	54	54	0	%100
87	MP1C	X	.312	.312	0	%100
88	MP1C	Z	54	54	0	%100
89	MP4C	X	.312	.312		%100
90	MP4C	Ż	54		0	%100
91	MP2C	X	.312	54 .312	0	<u>%100</u> %100
92	MP2C	Z	54	54	0	
93	MP1B	X	.312	.312		%100
94	MP1B	Z	54	54	00	%100
95	MP4B	X	.312	.312	0	%100
96	MP4B MP4B	Z	54		0	%100
97	MP4B MP2B	X	.312	54 .312	0	%100
98	MP2B	Z	54	54	0	%100
99	M94	X	.095	.095	0	%100
00	M94	Z	165	165		%100
01	M95	X	.095	.095	0	<u>%100</u>
02	M95	Z	165			%100
03	M96	X	.38	- <u>.165</u> .38	0	<u>%100</u>
04	M96	Z	658	658	0	%100
05	M98	X	.255	.255	0	%100
06	M98	Z	441		0	%100
07	M100	X		441	0	%100
08	M100	Z	.255	.255	0	%100
09	M100	X	441	441	0	%100
10	M101	Z	.283	.283	0	%100
11	M108	X	49	49	0	%100
12	M108		.283	.283	0	%100
13	M108	Z	49	49	0	%100
14	M115	X Z	0	0	0	%100
14	GLIM	L	0	0	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

	Company	3
EDICA	Designer	
IIRISA	Job Number	1
A NEWETSCHEK COMPANY	Model Name	2

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

menne	Member Label	Direction	Start Magnitude[]b/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
445	Member Laber M122	X	.371	.371	0	%100
115		7	643	643	0	%100
116	M122		.371	.371	0	%100
117	M123	7	643	643	Ő	%100
118	M123	<u> </u>	043	045	0	%100
119	M124	<u> </u>	0	0	0	%100
120	M124	Z	0			%100
121	M125	X	.482	.482	0	
122	M125	Z	836	836	0	%100
123	M126	X	.482	.482	0	%100
124	M126	Z	836	836	0	%100
125	M127	X	.634	.634	0	%100
126	M127	7	-1.099	-1.099	0	%100
	MP3C	X	.377	.377	0	%100
127	the second se	7	653	653	0	%100
128	MP3C	X	.377	.377	0	%100
129 130	MP3B MP3B	Z	653	653	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft.%]
1	M20	X	.192	.192	0	%100
2	M20	Z	111	111	0	%100
3	M32	X	.192	.192	0	%100
4	M32	Z	111	111	0	%100
5	M33A	X	.768	.768	0	%100
6	M33A	Z	443	443	0	%100
7	MP1A	X	.54	.54	0	%100
8	MP1A	Z	312	312	0	%100
9	MP3A	X	.653	.653	0	%100
10	MP3A	Z	377	377	0	%100
11	MP4A	X	.54	.54	0	%100
12	MP4A	Z	312	312	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	.845	.845	0	%100
16	M73	Z	488	488	0	%100
17	M74	X	.845	.845	0	%100
	M74	Z	488	488	0	%100
18	M75	X	1.363	1.363	0	%100
19	M75	Z	787	787	0	%100
20	M75	X	.186	.186	0	%100
21		Z	107	107	0	%100
22	M78	X	.186	.186	0	%100
23	M79	Z	107	107	0	%100
24	M79	X	0	0	0	%100
25	M84	Ż	0	Ö	0	%100
26	M84	X	.347	.347	0	%100
27	M85	Z	2	2	0	%100
28	M85	X	.36	.36	0	%100
29	M87A		208	208	0	%100
30	M87A	Z	200	0	0	%100
31	M89A	X	0	0	Ő	%100
32	M89A	Z		.347	0	%100
33	M90A	X	.347	2	0	%100
34	M90A	Z	2	.36	0	%100
35	M92	<u> </u>	.36		0	%100
36	M92	Z	208	208	0	%100
37	M50A	X	.606	.606	0	70100



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

38	Member Label M50A	Direction	Start Magnitude[lb/ft,. 35	End Magnitude[lb/ft.F		End Location[ft.9
39	M51A	X	.211	<u>35</u> .211	0	%100
40	M51A	ź	122		0	%100
41	M512	X	.211	122	0	%100
42	M52	Z		.211	0	%100
43	M53A		122	122	0	%100
44	M53A	X	.341	.341	0	%100
44		Z	197	197	0	%100
	M56	X	.186	.186	0	%100
46	M56	Z	107	107	0	%100
47	M57	X	.742	.742	0	%100
48	M57	Z	429	429	0	%100
49	M62	X	1.029	1.029	0	%100
50	M62	Z	594	594	0	%100
51	M63	X	1.388	1.388	0	%100
52	M63	Z	802	802	0	%100
53	M65	X	1.439	1.439	0	%100
54	M65	Z	831	831	0	%100
55	M67	X	1.029	1.029	0	%100
56	<u>M67</u>	Z	594	594	0	%100
57	M68	X	.347	.347	0	%100
58	M68	Z	2	2	0	%100
59	M70	X	.36	.36	0	%100
50	M70	Z	208	208	0	%100
51	M72	X	.606	.606	0	%100
52	M72	Z	35	35	0	%100
63	M73A	X	.211	.211	0	%100
34	M73A	Z	122	122	0	%100
55	M74A	- X	.211	.211	0	%100
6	M74A	Z	122	122	0	%100
57	M75A	X	.341	.341	0	
58	M75A	Z	197	197	0	%100
39	M78A	X	.742	.742		%100
70	M78A	Z	428		0	%100
71	M79A	X	.186	<u>428</u> .186	0	%100
72	M79A	Z			0	%100
73	M84A	X	107 1.029	107	0	%100
74	M84A	Z		1.029	0	%100
75	M85A		594	594	0	%100
76	M85A	X 7	.347	.347	0	%100
7		Z	2	2	0	%100
	M87	X	.36	.36	0	%100
7 <mark>8</mark> 79	M87	Z	208	208	0	%100
	M89	X	1.029	1.029	0	%100
80	M89	Z	594	594	0	%100
1	M90	<u> </u>	1.388	1.388	0	%100
32	<u>M90</u>	Z	802	802	0	%100
33	M92A	X	1.439	1.439	0	%100
4	M92A	Z	831	831	0	%100
35	MP2A	X	.54	.54	0	%100
36	MP2A	Z	312	312	0	%100
37	MP1C	X	.54	.54	0	%100
88	MP1C	Z	312	312	0	%100
39	MP4C	X	.54	.54	0	%100
00	MP4C	Z	312	312	0	%100
)1	MP2C	X	.54	.54	0	%100
2	MP2C	Z	312	312	0	%100
3	MP1B	X	.54	.54	0	
94	MP1B	Z	312	312	0	%100 %100
	1910 194			312	0	70100

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	er Distributed Lo Member Label	Direction	Start Magnitudellb/ft.	End Magnitude[lb/ft.F.	Start Location[ft.%]	End Location[ft,%
95	MP4B	X	.54	.54	0	%100
	MP4B	Z	312	312	0	%100
96	MP2B	X	.54	.54	0	%100
97	MP2B	Z	312	312	0	%100
98	M94	X	0	0	0	%100
99		Z	0	0	0	%100
100	M94	X	.494	.494	0	%100
101	M95	Z	285	285	0	%100
102	M95	X	.494	.494	0	%100
103	M96	Z	285	285	0	%100
104	M96	X	.441	.441	0	%100
105	M98		255	255	Ő	%100
106	M98	Z	.441	.441	0	%100
107	M100	X	255	255	0	%100
108	M100	Z		.163	0	%100
109	M101	X	.163	094	0	%100
110	M101	Z	094	.653	0	%100
111	M108	X	.653	377	0	%100
112	M108	Z	377	.163	0	%100
113	M115	X	.163		0	%100
114	M115	Z	094	094	0	%100
115	M122	X	.857	.857	0	%100
116	M122	Z	495	495	0	%100
117	M123	X	.214	.214		%100
118	M123	Z	124	124	0	%100
119	M124	X	.214	.214	0	
120	M124	Z	124	- 124	0	%100
121	M125	X	1.011	1.011	0	%100
122	M125	Z	584	584	0	%100
123	M126	X	.748	.748	0	%100
124	M126	Z	432	432	0	%100
125	M127	X	1.011	1.011	0	%100
126	M127	Z	584	584	0	%100
127	MP3C	X	.653	.653	0	%100
128	MP3C	Z	377	377	0	%100
129	MP3B	X	.653	.653	0	%100
130	MP3B	Z	377	377	0	%100

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

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

	blowbas label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
4	Member Label	Viectori	.665	.665	0	%100
1	M20		.000	0	0	%100
2	M20	<u>-</u>		Ō	0	%100
3	M32	<u> </u>	0	0	0	%100
4	M32	L	0	.665	0	%100
5	M33A	X	.665	and the second sec	0	%100
6	M33A	Z	0	0		%100
7	MP1A	X	.623	.623	0	%100
8	MP1A	Z	0	0	0	
9	MP3A	X	.754	.754	0	%100
10	MP3A	Z	0	0	00	%100
11	MP4A	X	.623	.623	0	%100
12	MP4A	7	0	0	0	%100
13	M72A	X	.233	.233	0	%100
	M72A	7	0	0	0	%100
14	and the second s	X	.732	.732	0	%100
15	M73	Z	0	0	0	%100
16	<u>M73</u> M74	X	.732	.732	0	%100



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

18	Member Label M74	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F 0	. Start Location[ft,%] 0	End Location[ft,9 %100
19	M75	X	1.181	1.181	0	
20	M75	Z	0	0	0	%100
21	M78	X	.643	.643	0	%100 %100
22	M78	Z	0	0	0	
23	M79	X	0	0	0	%100
24	M79	Z	0	0	0	%100
25	M84	X	.396	.396	0	%100
26	M84	Z	0	0		%100
27	M85	X	0	0	0	%100
28	M85	Z	0	0	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	0		0	%100
31	M89A	X	.396	0	0	%100
32	M89A	Z		.396	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z		1.202	0	%100
35	M90A M92	X	0	0	0	%100
36	M92	Z	1.246	1.246	0	%100
37	M50A	<u> </u>	0	0	0	%100
38	M50A	Z	.233	.233	0	%100
39	M50A		0	0	0	%100
40	M51A M51A	Z	.732	.732	0	%100
40	M51A M52		0	0	0	%100
41	M52	X	.732	.732	0	%100
42	M52 M53A	Z	0	0	0	%100
43		X 7	1.181	1.181	0	%100
44 45	M53A	Z	0	0	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	.643	.643	0	%100
40	M57 M62	Z	0	0	0	%100
49 50	M62	X	.396	.396	0	%100
		Z	0	0	0	%100
51 52	M63	X	1.202	1.202	0	%100
	M63	Z	0	0	0	%100
53	M65	X	1.246	1.246	0	%100
54 55	<u>M65</u>	Z	0	0	0	%100
	M67	X	.396	.396	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M70	<u> </u>	0	0	0	%100
<u>60</u>	M70	Z	0	0	0	%100
51	M72	X	.934	.934	0	%100
<u>52</u>	M72	Z	0	0	0	%100
53	M73A	<u> </u>	0	0	0	%100
64	M73A	Z	0	0	0	%100
65	M74A	X	0	0	0	%100
6	M74A	Z	0	0	0	%100
57	M75A	X	0	0	0	%100
58	M75A	Z	0	0	0	%100
39	M78A	X	.643	.643	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	.643	.643	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	1.584	1.584	0	%100
74	M84A	Z	0	0	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



Member Distributed Loads (BLC 68 : Structure Wm	(90 Deg)) (Continued)
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	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft.%]
75	M85A	X	1.202	1.202	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	1.246	1.246	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	1.584	1.584	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	1.202	1.202	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	1.246	1.246	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	.623	.623	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1C	X	.623	.623	0	%100
88	MP1C	Z	0	0	0	%100
89	MP4C	X	.623	.623	0	%100
	MP4C	Z	0	0	0	%100
90 91	MP4C MP2C	X	.623	.623	0	%100
91	MP2C	Z	0	0	0	%100
	MP2C MP1B	X	.623	.623	0	%100
93	MP1B	Z	0	0	0	%100
94		X	.623	.623	0	%100
95	MP4B	Z	0	0	0	%100
96	MP4B	X	.623	.623	0	%100
97	MP2B	Z	0	0	0	%100
98	MP2B	X	.19	.19	0	%100
99	M94	Z	0	0	0	%100
100	M94		.76	.76	0	%100
101	M95	X	0	0	0	%100
102	M95	Z	.19	.19	Ū Ū	%100
103	M96	X	0	0	0	%100
104	M96	Z	.51	.51	0	%100
105	M98	X	0	0	0	%100
106	M98	<u>Z</u>	.51	.51	0	%100
107	M100	X		0	Ö	%100
108	M100	Z	0	0	0	%100
109	M101	<u> </u>	0	0	0	%100
110	M101	Z	0	.566	0	%100
111	M108	X	.566	0	0	%100
112	M108	Z	0		0	%100
113	M115	<u> </u>	.566	.566	0	%100
114	M115	<u>Z</u>	0	0	0	%100
115	M122	X	.742	.742	0	%100
116	M122	Z	0	0		%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	.742	.742		%100
120	M124	Z	0	0	0	%100
121	M125	X	1.269	1.269	0	%100
122	M125	Z	0	0	0	
123	M126	X	.965	.965	0	%100
124	M126	Z	0	0	0	%100
125	M127	X	.965	.965	0	%100
126	M127	Z	0	0	0	%100
127	MP3C	X	.754	.754	0	%100
128	MP3C	Z	0	0	0	%100
129	MP3B	X	.754	.754	0	%100
130	MP3B	7	0	0	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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### Member Distributed Loads (BLC 69 : Structure Wm (120 Deg))

1	Member Label M20	Direction X	Start Magnitude[lb/ft,. .768	End Magnitude[lb/ft,F.		End Location[ft,%]
2	M20	Z		.768	0	%100
3	M32		.443	.443	0	%100
4	M32	<u>X</u>	.192	.192	0	%100
		Z	.111	.111	0	%100
5	M33A	<u> </u>	.192	.192	0	%100
6	M33A	Z	.111	.111	0	%100
7	MP1A	X	.54	.54	0	%100
8	MP1A	Z	.312	.312	0	%100
9	MP3A	X	.653	,653	0	%100
10	MP3A	Z	.377	.377	0	%100
11	MP4A	X	.54	.54	0	%100
12	MP4A	Z	.312	.312	0	%100
13	M72A	X	.606	.606	0	%100
14	M72A	Z	.35	.35	0	%100
15	M73	X	.211	.211	0	%100
16	M73	Z	.122	.122	0	%100
17	M74	X	.211	.211	0	%100
18	M74	Z	.122	.122	0	%100
19	M75	X	.341	.341	0	%100
20	M75	Z	.197	.197	0	%100
21	M78	X	.742	.742	0	%100
22	M78	Z	.428	.428	0	%100
23	M79	X	.186	.186		
24	M79	Z	.107	.107	0	%100
25	M84	X	1.029		0	%100
26	M84	Z		1.029	0	%100
27	M85	X	.594	.594	0	%100
28	M85		.347	.347	0	%100
29	M87A	Z	.2	.2	0	%100
30		<u> </u>	.36	.36	0	%100
	M87A	Z	.208	.208	0	%100
31	M89A	X	1.029	1.029	0	%100
32	M89A	Z	.594	.594	0	%100
33	M90A	X	1.388	1.388	0	%100
34	M90A	Z	.802	.802	0	%100
35	M92	X	1.439	1.439	0	%100
36	M92	Z	.831	.831	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	.845	.845	0	%100
40	M51A	Z	.488	.488	0	%100
41	M52	X	.845	.845	0	%100
42	M52	Z	.488	.488	0	%100
43	M53A	X	1.363	1.363	0	%100
44	M53A	Z	.787	.787	0	%100
45	M56	X	.186	.186	0	%100
46	M56	Z	.107	.107	Ő	%100
47	M57	X	.186	.186	0	%100
48	M57	Z	.107	.107	Ő	%100
49	M62	X	0	0	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	.347	.347	0	%100
52	M63	Z	.2	.2	0	
53	M65	X	.36	.36	0	%100
54	M65	Z	.30			%100
55	M67	X		.208	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	.347	0	0	%100
31	NIUO	<u> </u>	.347	.347	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



Member Distributed Load	(BLC 69 : Structure Wm	(120 Deg)) (Continued)
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	Member Label	Direction		End Magnitude[lb/ft.F.		End Location[ft.%] %100
58	M68	Z	.2	.2	0	%100
59	M70	X	.36	.36	0	%100
60	M70	Z	.208	.208	0	%100
61	M72	X	.606		0	%100
62	M72	Z	.35	.35	0	%100
63	M73A	X	.211	.211	0	%100
64	M73A	Z	.122	.122	0	%100
65	M74A	X	.211	.211	0	%100
66	M74A	Z	.122	.122	0	%100
67	M75A	X	.341	.341	0	%100
68	M75A	Z	.197	.197	0	%100
69	M78A	x	.186	.186	0	%100
70	M78A	Z	.107	.107 .742	0	%100
71	M79A	X	.742		0	%100
72	M79A	Z	.429	.429	0	%100
73	M84A	X	1.029	1.029	0	%100
74	M84A	Z	.594	.594	0	%100
75	M85A	X	1.388	1.388	0	%100
76	M85A	Z	.802	.802		%100
77	M87	X	1.439	1.439	0	%100
78	M87	Z	.831	.831	0	%100
79	M89	X	1.029	1.029	0	%100
80	M89	Z	.594	.594		%100
81	M90	X	.347	.347	0	%100
82	M90	Z	.2	.2	0	%100
83	M92A	X	.36	.36	0	%100
84	M92A	Z	.208	.208		%100
85	MP2A	X	.54	.54	0	%100
86	MP2A	Z	.312	.312	0	%100
87	MP1C	X	.54	.54	0	%100
88	MP1C	Z	.312	.312	0	%100
89	MP4C	X	.54	.54	0	%100
90	MP4C	Z	.312	.312	0	%100
91	MP2C	X	.54	.54	0	%100
92	MP2C	Z	.312	.312	0	%100
93	MP1B	X	.54	.54	0	%100
94	MP1B	Z	.312	.312	0	%100
95	MP4B	X	.54	.54	0	%100
96	MP4B	Z	.312	.312	0	%100
97	MP2B	X	.54	.54	0	%100
98	MP2B	Z	.312	.312	0	%100
99	M94	X	.494	.494	0	%100
100	M94	Z	.285	.285	0	%100
101	M95	X	.494	.494	0	
102	M95	Z	.285	.285	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	.441	.441	0	%100
106	M98	Z	.255	.255	0	%100
107	M100	X	.441	.441	0	%100
108	M100	Z	.255	.255	0	%100
109	M101	X	.163	.163	0	%100
110	M101	Z	.094	.094	0	%100
111	M108	X	.163	.163	0	%100
112	M108	Z	.094	.094	0	%100
113	M115	X	.653	.653	0	%100
114	M115	Z	.377	.377	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



### Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft.F.	. Start Location[ft.%]	End Location[ft,%]
115	M122	X	.214	.214	0	%100
116	M122	Z	.124	.124	0	%100
117	M123	X	.214	.214	0	%100
118	M123	Z	.124	.124	0	%100
119	M124	X	.857	.857	0	%100
120	M124	Z	.495	.495	0	%100
121	M125	X	1.011	1.011	0	%100
122	M125	Z	.584	.584	0	%100
123	M126	X	1.011	1.011	0	%100
124	M126	Z	.584	.584	0	%100
125	M127	X	.748	.748	0	%100
126	M127	Z	.432	.432	0	%100
127	MP3C	X	.653	.653	0	%100
128	MP3C	Z	.377	.377	0	%100
129	MP3B	X	.653	.653	0	%100
130	MP3B	Z	.377	.377	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	M20	X	.332	.332	0	%100
2	M20	Z	.576	.576	0	%100
3	M32	X	.332	.332	0	%100
4	M32	Z	.576	.576	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	.312	.312	0	%100
8	MP1A	Z	.54	.54	0	%100
9	MP3A	X	.377	.377	0	%100
10	MP3A	Z	.653	.653	0	%100
11	MP4A	X	.312	.312	0	%100
12	MP4A	Z	.54	.54	0	%100
13	M72A	X	.467	.467	0	%100
14	M72A	Z	.809	.809	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	0	0	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	.321	.321	0	%100
22	M78	Z	.557	.557	0	%100
23	M79	X	.321	.321	0	%100
24	M79	Z	.557	.557	0	%100
25	M84	X	.792	.792	0	%100
26	M84	Z	1.372	1.372	0	%100
27	M85	X	.601	.601	0	%100
28	M85	Z	1.041	1.041	0	%100
29	M87A	X	.623	.623	0	%100
30	M87A	Z	1.079	1.079	0	%100
31	M89A	X	.792	.792	0	%100
32	M89A	Z	1.372	1.372	0	%100
33	M90A	X	.601	.601	0	%100
34	M90A	Z	1.041	1.041	0	%100
35	M92	X	.623	.623	0	%100
36	M92	Z	1.079	1.079	0	%100
37	M50A	X	.117	.117	0	%100



Member Distributed Load	6 (BLC 70 : Structure Wm	(150 Deg)) (Continued)
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	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.	Start Location[ft.%]	End Location[ft.%]
38	M50A	Z	.202	.202	0	%100
39	M51A	X	.366	.366	0	%100
40	M51A	Z	.634	.634	0	%100 %100
41	M52	X	.366	.366	0	
42	M52	Z	.634	.634	0	<u>%100</u> %100
43	M53A	X	.59	.59	0	
44	M53A	Ζ	1.022	1.022	0	%100
45	M56	X	.321	.321	0	%100
46	M56	Z	.557	.557	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	.198	.198	0	%100
50	M62	Z	.343	.343	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	.198	.198	0	%100
56	M67	Z	.343	.343	0	%100
57	M68	X	.601	.601	0	%100
58	M68	Z	1.041	1.041	0	%100
59	M70	X	.623	.623	0	%100
60	M70	Z	1.079	1.079	0	%100
61	M72	X	.117	.117	0	%100
62	M72	Z	.202	.202	0	%100
63	M73A	X	.366	.366	0	%100
64	M73A	Z	.634	.634	0	%100
65	M74A	X	.366	.366	0	%100
66	M74A	Z	.634	.634	0	%100
67	M75A	X	.59	.59	0	%100
68	M75A	Z	1.022	1.022	0	%100
69	M78A	X	0	0	00	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	.321	.321	0	%100
72	M79A	Z	.557	.557	0	%100
73	M84A	X	.198	.198	0	%100
74	M84A	Z	.343	.343	0	%100
75	M85A	X	.601	.601	0	%100
76	M85A	Z	1.041	1.041	0	%100
77	M87	/ X	.623	.623	0	%100
78	M87	Z	1.079	1.079	0	%100
79	M89	X	.198	.198	0	%100
80	M89	Z	.343	.343	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	.312	.312	0	%100
	MP2A MP2A	Z	.54	.54	0	%100
86	MP2A MP1C	X	.312	.312	0	%100
87 88	MP1C	Z	.54	.54	0	%100
	MP1C MP4C	X	.312	.312	0	%100
89	MP4C MP4C	Z	.54	.54	0	%100
90		X	.312	.312	0	%100
91	MP2C	Z	.54	.54	0	%100
92	MP2C	X	.312	.312	0	%100
93	MP1B MP1B	Z	.54	.54	0	%100

RISA-3D Version 17.0.4

[R:\...\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

A NEMETSCHER COMPANY	Company : Designer : Job Number : Model Name :	July 19, 2023 3:04 PM Checked By:
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## Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
95	MP4B	X	.312	.312	0	%100
96	MP4B	Z	.54	.54	0	%100
97	MP2B	X	.312	.312	0	%100
98	MP2B	Z	.54	.54	0	%100
99	M94	X	.38	.38	0	%100
100	M94	Z	.658	.658	0	%100
101	M95	X	.095	.095	0	%100
102	M95	Z	.165	.165	0	%100
103	M96	X	.095	.095	0	%100
104	M96	Z	.165	.165	Ō	%100
105	M98	X	.255	.255	0	%100
106	M98	Z	.441	.441	0	%100
107	M100	X	.255	.255	0	%100
108	M100	Z	.441	.441	Ő	%100
109	M101	X	.283	.283	0	%100
110	M101	Z	.49	.49	Ŭ	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	Ő	%100
113	M115	X	.283	.283	0	%100
114	M115	Z	.49	.49	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	Ő	%100
117	M123	X	.371	.371	0	%100
118	M123	Z	.643	.643	Õ	%100
119	M124	X	.371	.371	0	%100
120	M124	Z	.643	.643	0	%100
121	M125	X	.482	.482	Ő	%100
122	M125	Z	.836	.836	Ő	%100
123	M126	X	.634	.634	0	%100
124	M126	Z	1.099	1.099	0	%100
125	M127	X	.482	.482	0	%100
126	M127	Z	.836	.836	0	%100
127	MP3C	X	.377	.377	Ö	%100
128	MP3C	Z	.653	.653	0	%100
129	MP3B	X	.377	.377	0	%100
130	MP3B	Z	.653	.653	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	M20	X	0	0	0	%100
2	M20	Z	.222	.222	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	.887	.887	0	%100
_5	M33A	X	0	0	0	%100
6	M33A	Z	.222	.222	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	.623	.623	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	.754	.754	0	%100
11	MP4A	X	0	0	0	%100
12	MP4A	Z	.623	.623	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	.7	7	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	.244	.244	0	%100
17	M74	x	0	0	0	%100



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

	Member Label	Direction		.End Magnitude(Ib/ft,F.		End Location[ft.% %100
18	M74	Z	.244	.244	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	.394	.394	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	.214	.214	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	.857	.857	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	1.188	1.188	0	
27	M85	X	0	0	0	%100
28	M85	Z	1.603	1.603	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	1.662	1.662	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	1.188	1.188	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	.401	.401	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	.415	.415	0	%100 %100
37	M50A	X	0	0	0	
38	M50A	Z	.7	.7	0	%100
39	M51A	X	0	0	0	%100
10	M51A	Z	.244	.244	0	%100
11	M52	X	0	0	0	%100
12	M52	Z	.244	.244	0	%100
3	M53A	X	0	0	0	%100
14	M53A	Z	.394	.394	0	%100
15	M56	X	0	0	0	%100
16	M56	Z	.857	.857	0	%100
17	M57	X	0	0	0	%100
18	M57	Z	.214	.214	0	%100
19	M62	X	0	0	0	%100
50	M62	Z	1.188	1.188	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	.401	.401	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	.415	.415	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	1.188	1.188	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	1.603	1.603	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	1.662	1.662	0	%100
51	M72	X	0	0	0	%100
52	M72	Z	0	0	0	%100
53	M73A	X	0	0	0	%100
34	M73A	Z	.976	.976	0	%100
65	M74A	X	0	0	0	%100
6	M74A	Z	.976	.976	0	%100
57	M75A	X	0	0	0	%100
58	M75A	Z	1.574	1.574	0	%100
59	M78A	X	0	0	0	%100
70	M78A	Z	.214	.214	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	.214	.214	0	%100
73	M84A	X	0	0	0	%100
74	M84A	Z	0	0	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

75	Member Label M85A	Direction X		End Magnitude[lb/ft,F.		End Location[ft.%]
76	M85A	Z	0	0	0	%100
77	M87		.401	.401	0	%100
78	M87	X	0	0	0	%100
79		Z	.415	.415	0	%100
	M89	X	0	0	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	.401	.401	0	%100
83	M92A	<u> </u>	0	0	0	%100
84	M92A	Z	.415	.415	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	.623	.623	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	.623	.623	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	.623	.623	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.623	.623	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	.623	.623	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	.623	.623	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	.623	.623	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	.57	.57	0	%100
101	M95	X	0	0	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	0	Ö	0	%100
104	M96	Z	.57	.57	0	%100
105	M98	X	0	0	0	%100
106	M98	Z	.51	.51	Ő	%100
107	M100	X	0	0	0	%100
108	M100	Z	.51	.51	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	.754	.754	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	.189	.189	0	%100
113	M115	X	0	0	0	
114	M115	Z	.189	.189		%100
115	M1122	X	0		0	%100
116	M122			0	0	%100
117	M122 M123	Z	.247	.247	0	%100
118		X 7	0	0	0	%100
119	M123	Z	.99	.99	0	%100
	M124	X	0	0	0	%100
120	M124	Z	.247	.247	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	.863	.863	0	%100
123	M126	<u>x</u>	0	0	0	%100
124	M126	Z	1.167	1.167	0	%100
125	M127	X	0	0	0	%100
126	M127	Z	1.167	1.167	0	%100
127	MP3C	X	00	0	0	%100
128	MP3C	Z	.754	.754	0	%100
129	MP3B	X	0	0	0	%100
130	MP3B	Z	.754	.754	0	%100



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

	Nember Label	Direction		End Magnitude[lb/ft,F	. Start Location[ft.%] 0	End Location[ft.% %100
1	M20	<u>X</u>	0	0	0	%100
2	M20	Z	0	332	0	%100
3	M32	X	332	.576	0	%100
4	M32	Z	.576	332	0	%100
5	M33A	X	332	.576	0	%100
6	M33A	Z	.576	312	0	%100
7	MP1A	<u>X</u>	312	.54	0	%100
8	MP1A	Z	.54	377	0	%100
9	MP3A	X	377	.653	0	%100
10	MP3A	Z	.653	312	0	%100
11	MP4A	X	312	.54	0	%100
12	MP4A	Z	117	117	0	%100
13	M72A	X		.202	0	%100
14	M72A	Z	.202	366	0	%100
15	M73	<u> </u>	366	.634	0	%100
16	M73	Z	.634	366	0	%100
17	M74	X	366	.634	0	%100
18	M74	Z	<u>.634</u> 59	59	0	%100
19	M75	X	59	1.022	0	%100
20	M75	Z		0	0	%100
21	M78	<u> </u>	0	0	0	%100
22	M78	Z	0	321	0	%100
23	M79	X	321	.557	0	%100
24	M79	Z	.557	198	0	%100
25	M84	<u> </u>	198	.343	0	%100
26	M84	Z	.343	601	0	%100
27	M85	X	601	1.041	0	%100
28	M85	Z	1.041	623	0	%100
29	M87A	X	623	1.079	0	%100
30	M87A	Z	1.079	198	0	%100
31	M89A	X	198	.343	0	%100
32	M89A	Z	.343	0	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	0	0	0	%100
35	M92	<u>X</u>	0	0	0	%100
36	M92	Z	0		0	%100
37	M50A	X	467	467 .809	0	%100
38	M50A	Z	.809		0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	0	0	0	%100
11	M52	X	0	0	0	%100
12	M52	Z	0	0	0	%100
13	M53A	X	0		0	%100
14	M53A	Z	0	321	0	%100
15	M56	X	321	.557	0	%100
46	M56	Z	.557	321	0	%100
17	M57	X	321		0	%100
18	M57	Z	.557	.557	0	%100
19	M62	<u>X</u>	792		0	%100
50	M62	Z	1.372	1.372	0	%100
51	M63	X	601	601	0	%100
52	M63	Z	1.041	1.041	0	%100
53	M65	<u> </u>	623	623	0	%100
54	M65	Z	1.079	1.079	0	%100
55	M67	X	792	792		%100
56	M67	Z	1.372	1.372	0	%100
57	M68	X	601	601	0 1	/0100

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

58	Member Label M68	Direction	Start Magnitude[lb/ft 1.041	End Magnitude[lb/ft,F 1.041	. Start Location[ft,%] 0	End Location[ft,% %100
59	M70	X	623	623	0	%100
60	M70	Z	1.079	1.079	0	
61	M70	X	117	117	0	<u>%100</u> %100
62	M72	Z	.202	.202	0	
63	M73A	X	366	366	0	%100
64	M73A	Z	.634	.634	0	%100
65	M74A	X	366		0	%100
66	M74A	Z	.634	366		%100
67	M75A	X	59	.634 59	0	%100
68	M75A	Z	1.022	1.022		%100
69	M78A	X	321		0	%100
70	M78A	Z	.557	321	0	%100
71	M79A	X		.557	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X		0	0	%100
74	M84A	Z	198	198	0	%100
75	M85A		.343	.343	0	%100
76	M85A	X Z	0	0	0	%100
77	M85A M87		0	0	0	%100
78	M87	X	0	0	0	%100
79	M89	Z	0	0	0	%100
30	M89	Z	198	198	0	%100
31			.343	.343	0	%100
	M90	X	601	601	0	%100
32	M90	Z	1.041	1.041	0	%100
33	M92A	X	623	623	0	%100
34	M92A	Z	1.079	1.079	0	%100
35	MP2A	<u> </u>	312	312	0	%100
36	MP2A	Z	.54	.54	0	%100
37	MP1C	X	312	312	0	%100
38	MP1C	Z	.54	.54	0	%100
39	MP4C	<u> </u>	312	312	0	%100
90	MP4C	Z	.54	.54	0	%100
91	MP2C	X	312	312	0	%100
92	MP2C	Z	.54	.54	0	%100
93	MP1B	<u>×</u>	312	312	0	%100
94	MP1B	Z	.54	.54	0	%100
95	MP4B	X	312	312	0	%100
96	MP4B	Z	.54	.54	0	%100
37	MP2B	X	312	312	0	%100
98	MP2B	Z	.54	.54	0	%100
99	M94	X	095	095	0	%100
00	M94	Z	.165	.165	0	%100
01	<u>M95</u>	<u> </u>	095	095	0	%100
02	M95	Z	.165	.165	0	%100
03	M96	X	38	38	0	%100
04	M96	<u>Z</u>	.658	.658	0	%100
05	M98	X	255	255	0	%100
06	M98	Z	.441	.441	0	%100
07	M100	X	255	255	0	%100
08	M100	Z	.441	.441	0	%100
09	M101	X	283	283	0	%100
10	M101	Z	.49	.49	0	%100
11	M108	X	283	283	0	%100
12	M108	Z	.49	.49	0	%100
13	M115	X	0	0	0	%100
14	M115	7	0	0	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

	Member Label	Direction	Start Magnitude[]b/ft.	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
115	M122	X	371	371	0	%100
116	M122	7	.643	.643	0	%100
	M122	X	371	371	0	%100
117	M123	7	.643	.643	0	%100
118	M123	X	0	0	0	%100
119	M124 M124	7	0	0	0	%100
120		X	482	482	0	%100
121	M125	7	.836	.836	0	%100
122	M125	- Z	482	482	0	%100
123	M126	7	.836	.836	0	%100
124	M126	X	634	634	0	%100
125	M127		1.099	1.099	0	%100
126	M127	- L	377	377	0	%100
127	MP3C	× 7		.653	0	%100
128	MP3C	<u> </u>	.653	377	0	%100
129	MP3B MP3B	Z	377 .653	.653	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	M20	X	192	192	0	%100
2	M20	Z	.111	.111	0	%100
3	M32	X	192	192	0	%100
4	M32	Z	.111	.111	0	%100
5	M33A	X	768	768	0	%100
6	M33A	Z	.443	.443	0	%100
7	MP1A	X	54	54	0	%100
8	MP1A	Z	.312	.312	0	%100
9	MP3A	X	653	653	0	%100
10	MP3A	Z	.377	.377	0	%100
11	MP4A	X	54	54	0	%100
12	MP4A	Z	.312	.312	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	845	845	0	%100
16	M73	Z	.488	.488	0	%100
	M74	X	845	845	0	%100
17	M74	ź	.488	.488	0	%100
18		X	-1.363	-1.363	0	%100
19	M75 M75	Z	.787	.787	0	%100
20		X	186	186	0	%100
21	M78	Z	.107	.107	0	%100
22	M78	X	186	186	0	%100
23	M79	Z	.107	.107	0	%100
24	M79	X	0	0	0	%100
25	M84	Z	0	Ő	0	%100
26	<u>M84</u>	X	347	347	0	%100
27	M85		.2	.2	0	%100
28	M85	Z X	36	36	0	%100
29	M87A		.208	.208	Ö	%100
30	<u>M87A</u>	Z	.200	0	0	%100
31	M89A	<u>X</u>	0	0	0	%100
32	M89A	Z	347	347	0	%100
33	M90A	x	347	.2	0	%100
34	M90A	Z		36	0	%100
35	M92	X	36	.208	0	%100
36	M92	Z	.208		0	%100
37	M50A	X	606	606	U	/0100



### 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.%]
38	M50A	Z	.35	.35	0	%100
39	M51A	X	211	211	0	%100
40	M51A	Z	.122	.122	0	%100
41	M52	X	211	211	0	%100
42	M52	Z	.122	.122	0	%100
43	M53A	X	341	341	0	%100
44	M53A	Z	.197	.197	0	%100
45	M56	X	186	186	0	%100
46	M56	Z	.107	.107	0	%100
47	M57	X	742	742	0	%100
48	M57	Z	.429	.429	0	%100
49	M62	X	-1.029	-1.029	0	%100
50	M62	Z	.594	.594	0	%100
51	M63	X	-1.388	-1.388	0	
52	M63	Z	.802	.802	0	%100
53	M65	X				%100
54	M65	Z	-1.439 .831	-1.439	0	%100
55	M65			.831	0	%100
56		X 7	-1.029	-1.029	0	%100
	M67	<u>Z</u>	.594	.594	0	%100
57	M68	X	347	347	0	%100
58	M68	Z	.2	.2	0	%100
59	M70	X	36	36	0	%100
60	M70	Z	.208	.208	0	%100
61	M72	X	606	606	0	%100
62	M72	Z	.35	.35	0	%100
63	M73A	X	211	211	0	%100
64	M73A	Z	.122	.122	0	%100
65	M74A	X	211	211	0	%100
66	M74A	Z	.122	.122	0	%100
67	M75A	X	341	341	0	%100
68	M75A	Z	.197	.197	0	%100
69	M78A	X	742	742	0	%100
70	M78A	Z	.428	.428	0	%100
71	M79A	X	186	186	0	%100
72	M79A	Z	.107	.107	0	%100
73	M84A	X	-1.029	-1.029	Ő	%100
74	M84A	Z	.594	.594	0	%100
75	M85A	X	347	347	0	%100
76	M85A	Z	.2	.2	0	
77	M87	X	36	36	0	%100
78	M87	Z	.208	.208	0	%100
79	M89	X				%100
80	M89	Z	-1.029	-1.029	0	%100
81	M90		.594	.594	0	%100
_	M90	X	-1.388	-1.388	0	%100
82		Z	.802	.802	0	%100
83	M92A	X	-1.439	-1.439	0	%100
84	M92A	Z	.831	.831	0	%100
85	MP2A	X	- 54	54	0	%100
86	MP2A	Z	.312	.312	0	%100
87	MP1C	X	54	54	0	%100
88	MP1C	Z	.312	.312	0	%100
89	MP4C	X	54	54	0	%100
90	MP4C	Z	.312	.312	0	%100
91	MP2C	X	54	54	0	%100
92	MP2C	Z	.312	.312	0	%100
93	MP1B	X	54	54	0	%100
94	MP1B	Z	.312	.312	Ő	%100
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RISA-3D Version 17.0.4

12

[R:\...\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Start MagnitudeIlb/ft.	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft.%]
95	MP4B	X	54	54	0	%100
96	MP4B	Z	.312	.312	0	%100
97	MP2B	x	54	54	0	%100
97	MP2B	Z	.312	.312	0	%100
90	M94	X	0	0	0	%100
	M94	Z	0	0	0	%100
100	M94 M95	X	494	494	0	%100
101	M95	Z	.285	.285	0	%100
102	M96	X	494	494	0	%100
103		7	.285	.285	0	%100
104	M96	X	441	441	0	%100
105	M98 M98	Ż	.255	.255	0	%100
106		X	441	441	0	%100
107	M100	Z	.255	.255	0	%100
108	M100	X	163	163	0	%100
109	M101	and the second se	.094	.094	Ō	%100
110	M101	Z	653	653	0	%100
111	M108	Z	.377	.377	0	%100
112	M108		163	163	0 0	%100
113	M115	X	.094	.094	Ő	%100
114	M115	Z		857	0	%100
115	M122	<u>X</u>	857 .495	.495	Ő	%100
116	M122	Z		214	Ö	%100
117	M123	<u>X</u>	214	.124	0	%100
118	M123	Z	.124	214	0	%100
119	M124	X	214	.124	0	%100
120	M124	Z	.124	-1.011	0	%100
121	M125	<u> </u>	-1.011		0	%100
122	M125	Z	.584	.584	0	%100
123	M126	X	748	748	0	%100
124	M126	Z	.432	.432	0	%100
125	M127	X	-1.011	-1.011		%100
126	M127	Z	.584	.584	0	%100
127	MP3C	X	653	653		%100
128	MP3C	Z	.377	.377	0	
129	MP3B	X	653	653	0	%100
130	MP3B	Z	.377	.377	0	%100

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

## Member Distributed Loads (BLC 74 : Structure Wm (270 Deg))

	Member Label	Direction	Start Magnitudelib/ft.	End Magnitude[lb/ft.F	. Start Location[ft.%]	End Location[ft,%]
4	Member Laber M20	X	665	665	0	%100
1	the state of the second s	7	0	0	0	%100
2	M20	X	0	0	0	%100
3	M32		0	0	0	%100
4	M32	L	665	665	0	%100
5	M33A	<u> </u>		0	Ö	%100
6	M33A	<u> </u>	0	623	0	%100
7	MP1A	X	623		0	%100
8	MP1A	Z	0	0		%100
9	MP3A	X	754	754	0	and the second se
10	MP3A	<u>Z</u>	0	0	0	%100
11	MP4A	X	623	623	0	%100
12	MP4A	Z	0	0	0	%100
13	M72A	X	233	233	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	732	732	0	%100
16	M73	7	0	0	0	%100
17	M73	X	732	732	0	%100



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### Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)

18	Member Label M74	Direction	Start Magnitude[lb/ft 0	End Magnitude[lb/ft,F		End Location[ft.9
19	M75	X	-1.181	-1.181	0	%100
20	M75	Z	-1,101			%100
21	M78	X	643	643	0	%100
22	M78	Z			0	%100
23	M79	X	0	0	0	%100
24	M79	Z	0	0	0	%100
25	M84	X		0	0	%100
26	M84	Z	396	396	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	0	0	0	%100
29	M87A	X		0	0	%100
30	M87A	Z	0	0	0	%100
31	M89A	X	0	0	0	%100
32	M89A		396	396	0	%100
33	M90A	Z	0	0	0	%100
34	M90A	<u>×</u>	-1.202	-1.202	0	%100
35	M90A M92	Z	0	0	0	%100
36	M92	X	-1.246	-1.246	0	%100
37	M92 M50A	Z	0	0	0	%100
38	M50A	X	233	233	0	%100
39	M50A M51A	Z	0	0	0	%100
40	M51A M51A	Z	732	732	0	%100
40	M51A M52		0	0	0	%100
41		X	732	732	0	%100
42	M52 M53A	Z	0	0	0	%100
43		X	-1.181	-1.181	0	%100
44 45	M53A	Z	0	0	0	%100
45 46	M56	X	0	0	0	%100
40	M56 M57	Z	0	0	0	%100
47		X	643	643	0	%100
40	M57 M62	Z	0	0	0	%100
50	M62	X	396	396	0	%100
51	M63	Z	0	0	0	%100
52	M63	X	-1.202	-1.202	0	%100
52 53	M65	Z	0	0	0	%100
		X	-1.246	-1.246	0	%100
54	<u>M65</u>	Z	0	0	0	%100
55 56	M67	X	396	396	0	%100
57	M67	Z	0	0	0	%100
58	M68	X	0	0	0	%100
59	M68 M70	Z	0	0	0	%100
60		X	0	0	0	%100
	M70	Z	0	0	0	%100
61 62	M72 M72	X	934	934	0	%100
o∠ 63		<u>Z</u>	0	0	0	%100
	M73A	X	0	0	0	%100
64	M73A	Z	0	0	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	0	0	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	0	0	0	%100
<u>69</u>	M78A	X	643	643	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	643	643	0	%100
72	M79A	Z	0	0	0	%100
73	<u>M84A</u>	X	-1.584	-1.584	0	%100
74	M84A	Z	0	0	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



1

# Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)

0.	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[Ib/ft,F.	Start Location[ft,%]	End Location[ft.%]
75	M85A	X	-1.202	-1.202	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	-1.246	-1.246	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	-1.584	-1.584	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	-1.202	-1.202	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	-1.246	-1.246	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	623	623	0	%100
	MP2A	Z	0	0	0	%100
86	MP1C	X	623	623	0	%100
87	MP1C	Z	0	0	0	%100
88	MP1C MP4C	X	623	623	0	%100
89	MP4C MP4C	Z	0	0	0	%100
90		X	623	623	0	%100
91	MP2C	Z	0	0	0	%100
92	MP2C	X	623	623	0	%100
93	MP1B	Z	0	0	0	%100
94	MP1B MP4P	X	623	623	0	%100
95	MP4B	Z	0	0	0	%100
96	MP4B	X	623	623	0	%100
97	MP2B	Z	0	0	0	%100
98	MP2B		19	19	Ő	%100
99	M94	X	19	0	Ō	%100
100	M94	Z	76	76	0	%100
101	M95	X	0	0	Ō	%100
102	M95	<u>Z</u>	19	19	0	%100
103	M96	X		0	Ŏ	%100
104	M96	Z	0	51	0	%100
105	M98	<u> </u>	51	0	Ö	%100
106	M98	Z	0	51	0	%100
107	M100	X	51	0	Ö	%100
108	M100	Z	0		0	%100
109	M101	X	0	0	0	%100
110	M101	Z	0	0	0	%100
111	M108	X	566	566	0	%100
112	M108	Z	0	0		%100
113	M115	X	566	566	0	%100
114	M115	Z	0	0		%100
115	M122	X	742	742	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	
118	M123	Z	0	0	0	%100
119	M124	X	742	742	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	-1.269	-1.269	0	%100
122	M125	Z	0	0	0	%100
123	M126	X	965	965	0	%100
124	M126	Z	0	0	0	%100
125	M127	X	965	965	0	%100
126	M127	Z	0	0	0	%100
120	MP3C	X	754	754	0	%100
	MP3C	Z	0	0	0	%100
128	MP3C MP3B	X	754	- 754	0	%100
129 130	MP3B	Z	0	0	0	%100



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

1	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[Ib/ft,F.	. Start Location[ft,%]	End Location[ft,%]
2	M20	<u> </u>	768	768	0	%100
	M20	Z	443	443	0	%100
3 4	M32 M32	X	192	- 192	0	%100
		Z	111	111	0	%100
5	M33A	X	192	192	0	%100
6	M33A	Z	- 111	111	0	%100
7	MP1A	X	54	54	0	%100
8	MP1A	Z	312	312	0	%100
9	MP3A	X	653	653	0	%100
10	MP3A	Z	377	377	0	%100
11	MP4A	X	54	54	0	%100
12	MP4A	Z	312	312	0	%100
13	M72A	X	606	606	0	%100
14	M72A	Z	35	35	0	%100
15	M73	X	211	211	0	%100
16	M73	Z	122	122	0	%100
17	M74	X	211	211	0	%100
18	M74	Z	122	122	0	%100
19	M75	X	341	341	0	%100
20	M75	Z	197	197	0	%100
21	M78	X	742	742	0	%100
22	M78	Z	428	428	0	%100
23	M79	X	186	186	0	%100
24	M79	Z	107	107	0	%100
25	M84	X	-1.029	-1.029	0	%100
26	M84	Z	594	594	0	%100
27	M85	X	347	347	0	%100
28	M85	Z	2	2	0	%100
29	M87A	X	36	36	0	%100
30	M87A	Z	208	208	Ő	%100
31	M89A	X	-1.029	-1.029	0	%100
32	M89A	Z	594	594	Ő	%100
33	M90A	X	-1.388	-1.388	Ö	%100
34	M90A	Z	802	802	0	%100
35	M92	X	-1.439	-1.439	0	%100
36	M92	Z	831	831	Ő	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	0	ő	Ő	%100
39	M51A	X	845	845	0	%100
40	M51A	Z	488	488	Ö	%100
41	M52	X	845	845	0	%100
42	M52	Z	488	488	0	%100
43	M53A	X	-1.363	-1.363	0	%100
44	M53A	Z	787	787	0	%100
45	M56	X	186	186	0	%100
46	M56	Z	107	107	0	%100
47	M57	X	186	186	0	%100
48	M57	Z	107	107	0	<u>%100</u> %100
49	M62	X	0	107	0	
50	M62	Z	0	0		%100
51	M63	X	347	347	0	%100
52	M63	Z	2		0	%100
53	M65	X	36	2	0	%100
54	M65	z		36	0	%100
55	M67	X	208	208	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	0	0	0	%100
31	INIOO	A	347	347	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



Member Distributed Loads (BLC 75	Structure Wm (300 Deg)) (Continued)
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	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F.		End Location[ft,%]
58	M68	Z	2	2	0	%100
59	M70	X	36	36	0	%100
60	M70	Z	208	208	0	%100
61	M72	X	606	606	0	%100
62	M72	Z	35	35	0	%100
63	M73A	X	211	211	0	%100
64	M73A	Z	122	122	0	%100
65	M74A	X	211	211	0	%100
66	M74A	Z	122	122	0	%100
67	M75A	X	341	341	0	%100
68	M75A	Z	197	197	0	%100
69	M78A	X	186	186	0	%100
70	M78A	Z	107	107	0	%100
71	M79A	X	742	742	0	%100
72	M79A	Z	429	429	0	%100
73	M84A	X	-1.029	-1.029	0	%100
74	M84A	Z	594	594	0	%100
75	M85A	X	-1.388	-1.388	0	%100
76	M85A	Z	802	802	0	%100
77	M87	X	-1.439	-1.439	0	%100
78	M87	Z	831	831	0	%100
79	M89	X	-1.029	-1.029	0	%100
80	M89	Z	594	594	0	%100
81	M90	X	347	347	0	%100
82	M90	Z	2	2	0	%100
83	M92A	X	36	36	0	%100
84	M92A	Z	208	208	0	%100
85	MP2A	X	54	54	0	%100
86	MP2A	Z	312	312	0	%100
87	MP1C	X	54	54	0	%100
88	MP1C	Z	312	312	0	%100
	MP4C	X	54	54	0	%100
89	MP4C	Z	312	312	0	%100
90 91	MP4C MP2C	X	54	54	0	%100
	MP2C	Z	312	312	0	%100
92	MP1B	X	54	54	0	%100
93	MP1B	Ż	312	312	0	%100
94	MP4B	X	54	54	0	%100
95	MP4B MP4B	Z	312	312	0	%100
96	MP4B MP2B	X	54	54	0	%100
97	MP2B	Z	312	312	0	%100
98		X	494	494	0	%100
99	M94	Z	285	285	0	%100
100	M94	X	494	494	0	%100
101	M95	z	285	285	0	%100
102	M95	X	0	0	0	%100
103	M96	Z	0	Ő	0	%100
104	M96	X	441	441	0	%100
105	M98	Z	255	255	0	%100
106	M98	X	441	441	0	%100
107	M100	Z	441	255	0	%100
108	M100		163	163	0	%100
109	M101	X	094	094	Ő	%100
110	M101	Z	163	163	0	%100
111	M108	X 7	094	094	0	%100
112	M108	Z	653	653	0	%100
113	M115	X	653	377	0	%100
114	M115	Z	3/1	511		Page 173

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

Company Designer	10.43
Job Number Model Name	

### 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,%]
115	M122	X	214	214	0	%100
116	M122	Z	124	124	0	%100
117	M123	X	214	214	0	%100
118	M123	Z	124	124	0	%100
119	M124	X	857	857	0	%100
120	M124	Z	495	495	0	%100
121	M125	X	-1.011	-1.011	0	%100
122	M125	Z	584	584	0	%100
123	M126	X	-1.011	-1.011	0	%100
124	M126	Z	584	584	0	%100
125	M127	X	748	748	0	%100
126	M127	Z	432	432	Ő	%100
127	MP3C	X	653	653	Ő	%100
128	MP3C	Z	377	377	0	%100
129	MP3B	X	653	653	0	%100
130	MP3B	Z	377	377	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	M20	X	332	332	0	%100
2	M20	Z	576	576	0	%100
3	M32	X	332	332	0	%100
4	M32	Z	576	576	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	312	312	0	%100
8	MP1A	Z	54	54	0	%100
9	MP3A	X	377	377	0	%100
10	MP3A	Z	653	653	0	%100
11	MP4A	X	312	312	0	%100
12	MP4A	Z	54	54	0	%100
13	M72A	X	467	467	0	%100
14	M72A	Z	809	809	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	0	0	Ō	%100
17	M74	X	0	0	Ő	%100
18	M74	Z	0	0	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	321	321	0	%100
22	M78	Z	557	557	0	%100
23	M79	X	321	321	0	%100
24	M79	Z	557	557	0	%100
25	M84	X	792	792	0	%100
26	M84	Z	-1.372	-1.372	0	%100
27	M85	X	601	601	0	%100
28	M85	Z	-1.041	-1.041	Õ	%100
29	M87A	X	623	623	0	%100
30	M87A	Z	-1.079	-1.079	0	%100
31	M89A	X	792	792	0	%100
32	M89A	Z	-1.372	-1.372	0	%100
33	M90A	X	601	601	0	%100
34	M90A	Z	-1.041	-1.041	0	%100
35	M92	X	623	623	0	%100
36	M92	Z	-1.079	-1.079	0	%100
37	M50A	X	117	117	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft,	End Magnitude[lb/ft,F		End Location[ft,%]
38	M50A	Z	202	202	0	%100 %100
39	M51A	X	366	366	0	%100
40	M51A	Z	634	634	0	%100
41	M52	X	366	366	0	
42	M52	Z	634	634	0	%100 %100
43	M53A	X	59	59	0	
44	M53A	Z	-1.022	-1.022	0	%100
45	M56	X	321	321	0	%100
46	M56	Z	557	557	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	198	198	0	%100
50	M62	Z	343	343	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	198	198	0	%100
56	M67	Z	343	343	0	%100
57	M68	X	601	601	0	%100
58	M68	Z	-1.041	-1.041	0	%100
59	M70	X	623	623	0	%100
60	M70	Z	-1.079	-1.079	0	%100
61	M72	X	117	117	0	%100
62	M72	Z	202	202	0	%100
63	M73A	X	366	366	0	%100
64	M73A	Ζ	634	634	0	%100
65	M74A	X	366	366	0	%100
66	M74A	Z	634	634	0	%100
67	M75A	X	59	59	0	%100
68	M75A	Z	-1.022	-1.022	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	321	321	0	%100
72	M79A	Z	557	557	0	%100
73	M84A	X	198	198	0	%100
74	M84A	Z	343	343	0	%100
75	M85A	X	601	601	0	%100
76	M85A	Z	-1.041	-1.041	0	%100
77	M87	X	623	623	0	%100
78	M87	Z	-1.079	-1.079	0	%100
79	M89	X	198	198	0	%100
80	M89	Z	343	343	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	312	312	0	%100
86	MP2A	Z	54	54	0	%100
87	MP1C	X	312	312	0	%100
88	MP1C	Z	54	54	0	%100
89	MP4C	X	312	312	0	%100
90	MP4C	Z	54	54	0	%100
91	MP40 MP2C	X	312	312	0	%100
92	MP2C	Z	54	54	0	%100
92 93	MP1B	X	312	312	0	%100
93 94	MP1B	Z	54	54	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.	. Start Location[ft.%]	End Location[ft,%]
95	MP4B	X	312	312	0	%100
96	MP4B	Z	54	54	0	%100
97	MP2B	X	312	312	0	%100
98	MP2B	Z	54	54	0	%100
99	M94	X	38	38	0	%100
100	M94	Z	658	658	0	%100
101	M95	X	095	095	0	%100
102	M95	Z	165	165	0	%100
103	M96	X	095	095	0	%100
104	M96	Z	165	165	0	%100
105	M98	X	255	255	0	%100
106	M98	Z	441	441	0	%100
107	M100	X	255	255	0	%100
108	M100	Z	441	441	0	%100
109	M101	X	283	283	0	%100
110	M101	Z	49	49	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	283	283	0	%100
114	M115	Z	49	49	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	Ő	0	%100
117	M123	X	371	371	0	%100
118	M123	Z	643	643	0	%100
119	M124	X	371	371	0	%100
120	M124	Z	643	643	0	%100
121	M125	X	482	482	0	%100
122	M125	Z	836	836	0	%100
123	M126	X	634	634	0	%100
124	M126	Z	-1.099	-1.099	0	%100
125	M127	X	482	482	0	%100
126	M127	Z	836	836	0	%100
127	MP3C	X	377	377	0	%100
128	MP3C	Z	653	653	0	%100
129	MP3B	X	377	377	0	%100
130	MP3B	Z	653	653	0	%100

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

#### 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	M78	Y	-2.356	-4.541	0	.793
2	M78	Y	-4.541	-6.018	.793	1.586
3	M78	Y	-6.018	-7.77	1.586	2.379
4	M78	Y	-7.77	-7.475	2.379	3,172
5	M78	Y	-7.475	-4,145	3.172	3.965
6	M79	Y	-4.166	-7.563	0	.793
7	M79	Y	-7.563	-7.938	.793	1.587
8	M79	Y	-7.938	-6.372	1.587	2.38
9	M79	Y	-6.372	-4.807	2.38	3,173
10	M79	Y	-4.807	-2.16	3,173	3.967
11	M78A	Y	-2.356	-4.541	0	.793
12	M78A	Y	-4.541	-6.018	.793	1.586
13	M78A	Y	-6.018	-7.77	1,586	2.379
14	M78A	Y	-7.77	-7,475	2.379	3,172
15	M78A	Y	-7.475	-4.145	3.172	3.965
16	M79A	Y	-4.166	-7.563	0	.793
17	M79A	Y	-7.563	-7.938	.793	1.587

RISA-3D Version 17.0.4 [R:\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

	Member Label	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
18	M79A	Y	-7.938	-6.372	1.587	2.38
19	M79A	Y	-6.372	-4.807	2.38	3.173
20	M79A	Ý	-4.807	-2.16	3.173	3.967
21	M56	Ý	-2.356	-4.541	0	.793
22	M56	Y	-4.541	-6.018	.793	1.586
23	M56	Y	-6.018	-7.77	1.586	2.379
24	M56	Ý	-7.77	-7.475	2.379	3.172
25	M56	Y	-7.475	-4,145	3.172	3.965
26	M50	V	-4.166	-7.563	0	.793
	M57	v	-7.563	-7.938	.793	1.587
27	M57	V	-7.938	-6.372	1.587	2.38
28			-6.372	-4.807	2.38	3.173
29 30	M57 M57	Y	-4.807	-2.16	3.173	3.967

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

	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft.F.,	. Start Location[ft,%]	End Location[ft,%]
1	M78	Y	-4.549	-8.771	0	.793
2	M78	Y	-8.771	-11.622	.793	1.586
3	M78	Y	-11.622	-15.007	1.586	2.379
4	M78	Y	-15.007	-14.436	2.379	3.172
5	M78	Y	-14,436	-8.005	3.172	3.965
6	M79	Y	-8.046	-14.606	0	.793
7	M79	Ý	-14.606	-15.331	.793	1.587
8	M79	Ý	-15.331	-12.307	1.587	2.38
9	M79	Y	-12.307	-9.284	2.38	3.173
10	M79	Y	-9.284	-4.172	3.173	3.967
11	M78A	Y	-4.549	-8.771	0	.793
12	M78A	Y	-8.771	-11.622	.793	1.586
13	M78A	Y	-11.622	-15.007	1.586	2.379
	M78A	Y	-15.007	-14.436	2.379	3.172
<u>14</u> 15	M78A	Y	-14.436	-8.005	3.172	3.965
	M79A	Y	-8.046	-14.606	0	.793
16	M79A M79A	+- <u>+</u>	-14.606	-15.331	.793	1.587
17		Y	-15.331	-12.307	1.587	2.38
18	M79A	Y	-12.307	-9.284	2.38	3.173
19	M79A	Ý	-9.284	-4,172	3.173	3.967
20	M79A	Y	-4.549	-8.771	0	.793
21	M56	Y	-4.043	-11.622	.793	1.586
22	M56	Y	-11.622	-15.007	1.586	2.379
23	M56	Y	-15.007	-14.436	2.379	3.172
24	M56		-14.436	-8.005	3.172	3,965
25	M56	Y	and the second state of th	-14.606	0	.793
26	M57	Y	-8.046	-14.606	.793	1.587
27	M57	Y	-14.606		1.587	2.38
28	M57	Y	-15.331	-12.307	2.38	3.173
29	M57	Y	-12.307	-9.284	the subscription of the su	3.967
30	M57	Y	-9.284	-4.172	3.173	5.907

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

abel Direction Z Z Z	071 136 181	End Magnitude[lb/ft.F 136 181	0 .793	.793
Z				
		000		
	- 101	233	1.586	2.379
		224	2.379	3.172
		- 124	3.172	3.965
		- 227	0	.793
		238	.793	1.587
	Z Z Z Z	Z224 Z125	Z124124 Z125227	Z224124 3.172 Z125227 0 Z125227 0

RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



Member	<u>Distrib</u>	outed Lo	ads (BLC	<u>90 : BLC 85</u>	Transient Area	Loads)	(Continued)	
								_

	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F.,	. Start Location[ft.%]	End Location[ft.%]
8	M79	Z	238	191	1.587	2.38
9	M79	Z	191	144	2.38	3.173
10	M79	Z	144	065	3.173	3.967
11	M78A	Z	071	136	0	.793
12	M78A	Z	136	181	.793	1.586
13	M78A	Z	181	233	1.586	2.379
14	M78A	Z	233	224	2.379	3,172
15	M78A	Z	224	124	3.172	3.965
16	M79A	Z	125	227	0	.793
17	M79A	Z	227	238	.793	1.587
18	M79A	Z	238	191	1.587	2.38
19	M79A	Z	191	144	2.38	3.173
20	M79A	Z	144	065	3.173	3.967
21	M56	Z	071	136	0	.793
22	<u>M56</u>	Z	136	181	.793	1.586
23	M56	Z	181	233	1.586	2.379
24	M56	Z	233	224	2.379	3.172
25	M56	Z	224	-,124	3.172	3.965
26	M57	Z	125	227	0	.793
27	M57	Z	227	238	.793	1.587
28	M57	Z	238	191	1.587	2.38
29	M57	Z	191	144	2.38	3.173
30	M57	Z	144	065	3.173	3.967

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

	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
1	M78	X	.071	.136	0	.793
2	M78	X	.136	.181	.793	1.586
3	M78	X	.181	.233	1.586	2.379
4	M78	X	.233	.224	2.379	3.172
5	M78	X	.224	.124	3.172	3.965
6	M79	X	.125	.227	0	.793
7	M79	X	.227	.238	.793	1.587
8	M79	X	.238	.191	1.587	2.38
9	M79	X	.191	.144	2.38	3.173
10	M79	X	.144	.065	3.173	3.967
11	M78A	X	.071	.136	0	.793
12	M78A	X	.136	.181	.793	1.586
13	M78A	X	.181	.233	1.586	2.379
14	M78A	X	.233	.224	2.379	3.172
15	M78A	X	.224	.124	3.172	3.965
16	M79A	X	.125	.227	0	.793
17	M79A	X	.227	.238	.793	1.587
18	M79A	X	.238	.191	1.587	2.38
19	M79A	X	.191	.144	2.38	3.173
20	M79A	X	.144	.065	3.173	3.967
21	M56	X	.071	.136	0	.793
22	M56	X	.136	.181	.793	1.586
23	M56	X	.181	.233	1.586	2.379
24	M56	X	.233	.224	2.379	3.172
25	M56	X	.224	.124	3.172	3.965
26	M57	X	.125	.227	0	.793
27	M57	X	.227	.238	.793	1.587
28	M57	X	.238	.191	1.587	2.38
29	M57	X	.191	.144	2.38	3.173
30	M57	X	.144	.065	3.173	3.967



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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N122	N121	N116A	N117	Y	Two Way	005
-	N117A	N121A	N120	N116	Y	Two Way	005
2	N88A	N89A	N93	N92A	Y	Two Way	005

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N122	N121	N116A	N117	Y	Two Way	01
2	N117A	N121A	N120	N116	Y	Two Way	01
2	N88A	N89A	N93	N92A	Y	Two Way	01

## Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
4	N122	N121	N116A	N117	Y	Two Way	0
	N117A	N121A	N120	N116	Y	Two Way	0
2		N89A	N93	N92A	Y	Two Way	0
3	N88A	INOSA	1135	1102/1			

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

	Inint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
4	Joint A N122	N121	N116A	N117	Z	Two Way	000156
2	N117A	N121A	N120	N116	Z	Two Way	000156
2	N88A	N89A	N93	N92A	Z	Two Way	000156

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

	Loint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	Joint A N122	N121	N116A	N117	X	Two Way	.000156
2	N117A	N121A	N120	N116	X	Two Way	.000156
2	N88A	N89A	N93	N92A	X	Two Way	.000156

### Envelope Joint Reactions

	Joint		X [lb]	LC	Y [Ib] Ц	С	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]		MZ [	
1	N112A	m.l	4284.013	9	222.641 3	3	1064.323	2	.088	10	2.587		.514	
2	INT IZA	m.	-1677.732	3	-333.427 9	3	-2567.829	8	392	40	-2.592		12	
3	N84A	m	1666.454	11	147.304 1	1	906.391	11	.377	5	2.522		.162	
4		m	-4313.842	5	-452.331 2	9.	-2434.972	5	103	11	-2.522		662	
5		m.	1253.826	10	230.845 7	7	5077.159	1	.079	6	2.707		.114	
6		m	-1251.112	4	-344.71	1.	-1992.867	7	309	12	-2.718		138	12
7		m.	55,545	10	2825.814 1	3	-369.584	7	0	75	0	4	_	10
8	a second and a second as a second as	m	-55.744	4	297.981 7	1	-3346.373	13	0	1	0	10		4
9		m.	-299.355	3		1	1641.395	21	0	6	0	48		48
10		m	-2842.917	21	278.24 3	3	172.855	3	0	48	0	6	0	6
11		m	2883.347	17	2811.839 1	7	1664.775	17	0	8	0	8	0	8
12		m.,	311.538	11	289.82 1	1	179.8	11	0	2	0	2	0	2
13	Totals:		5205.126	10	7169.203 2	0	5145.771	1						
14		m.		4		5	-5145.774	7						

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

	Member Shape	Code Check	Loc[ft]	LC	Shear Check	L Dir	LC	phi*Pn	phi*P	phi*Mn y.	phi*Mn	Eqn
1	M20 PIPE	.138	8,156	2	.088	1	12	21266	65205	5.749	5.749	H1
2	M32 PIPE_	.140	8,156	10	.089	1	1	21266	65205	5.749	5.749	H1
2	IVIOL -	.140	8.156	6	.093	1	4	21266	65205	5.749	5.749	H1
3	M33A PIPE	.232	3.875	4	.133		2	20866	32130	1.872	1.872	H1
4	MP1A PIPE	.232	3.013	<u>,                                    </u>	.100	- Laurah	A			A		

RISA-3D Version 17.0.4 [R

[R:\...\...\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]



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

	Member Shape	Code Check	Loc[ft]	LC	Shear Check		Dir	IC	nhi*Pn	nhi*P	obi*Mn v	nhi*Mn	Fon
5	MP3A PIPE	.282	4.885	10	.124	4.	0.				3.596	3.596	H1
6	MP4A PIPE	.359	3.875	10	.126		-	7		32130		1.872	H1-
7	M72A HSS4	.162	2.984	20	.058	2	v				16.181	16.181	
8	M73 L3X3X4		2.406	21	.226	-	Z	4	41030	46656		3.756	H2-1
9	M74 L3X3X4		0	22		2		2		46656			
10	M75 PL1/2x6	.362	.547		.246	14.11	Z					3.756	H2-1
11	M78 L2x2x4	.274		2	.268		У			97200		12.15	H1
12	M79 L2x2x4		3.965	10	.029	0	Y		13799		.691	1.486	H2-1
	M84 PL1/2x6	.287	0	8	.028	3	У			30585.	.691	1.484	H2-1
13	M85 PL1/2x6	.187	0	12	.088	0	Y			97200		12.15	H1
14		.097	0	12	.026	0	У			97200		12.15	H1
15	M87A PL1/2x6	.075	.125	9	.174	0	Υ_			97200		12.15	H1
16	M89A PL1/2x6	.188	0	6	.089	0	у			97200		12.15	H1
17	M90A PL1/2x6	.095	0	6	.025	0	Y			97200	1.012	12.15	H1
18	M92 PL1/2x6	.075	.125	9	.128	0	y			97200		12.15	H1
19	M50A HSS4	.164	2.984	16	.064	3	Y	27	12454	139518	16.181	16.181	H1
20	M51A L3X3X4	.527	2.406	17	.231		z	11	41039	46656	1.688	3.756	H2-1
21	M52 L3X3X4	.562	0	18	.254	2	Z	10	41039	46656	1.688	3.756	H2-1
22	M53A PL1/2x6	.373	.547	10	.276		V	23	62895	97200	1.012	12.15	H1
23	M56 L2x2x4	.272	3.965	6	.030	0	v		13799		.691	1.486	H2-1
24	M57 L2x2x4	.293	0	4	.029	3	v		13791		.691		H2-1
25	M62 PL1/2x6	.187	0	8	.093	0	v			97200	1.012	12.15	H1
26	M63 PL1/2x6	.097	0	8	.027	0	V	17	96222	97200	1.012	12.15	H1-
27	M65 PL1/2x6	.077	.125	5	.158	0	v	18	96648	97200	1.012		H1
28	M67 PL1/2x6	.193	0	2	.092	0	v			97200	1.012	12.15	H1
29	M68 PL1/2x6	.097	0	2	.032	0	v			97200	1.012	12.15	H1
30	M70 PL1/2x6	.077	.125	5	.211	0	v			97200	1.012	12.15	H1
31	M72 HSS4	.165	2.984	24	.047	0	z				16.181		H1
32	M73A L3X3X4	.532	2.406	13	.222			7	12404	46656	1 600	16.181	
33	M74A L3X3X4	.550	0	14		2	Z	-	41039	46656		3.756	H2-1
34	M75A PL1/2x6	.369	.547				Z			97200	1.688	3.756	H2-1
35	M78A L2x2x4	.264		6	.275		y				1.012		H1
36	M79A L2x2x4		3.965	2	.030	0	V		13799		.691	1.486	H2-1
	M84A PL1/2x6	.290	0	12	the second second second second second	3	У		13791		.691	1.484	H2-1
37	M85A PL1/2x6	.196	0	4	.091	0	V			97200	1.012		H1
38	M87 PL1/2x6	.102	0	4	.026	0	У			97200	1.012		H1
39		.075	.125	1	.151	0	V			97200	1.012	12.15	H1
40	M89 PL1/2x6	.202	0	10	.093	0	У			97200	1.012		H1
41	M90 PL1/2x6	.102	0	10	.026	0	Y			97200		12.15	H1
42	M92A PL1/2x6	.075	.125	1	.135	0	У			97200	1.012	12.15	H1
43	MP2A PIPE	.313	3.875	4		3		2	20866	32130	1.872	1.872	H1
44	MP1C PIPE	.248	3.875	11	.139					32130	1.872	1.872	H1
45	MP4C PIPE	.369	3.875	6	.126					32130	1.872	1.872	H1
46	MP2C PIPE	.324	3.875	12	.115	3				32130	1.872	1.872	H1
47	MP1B PIPE	.230	3.875	7	.134			6	20866	32130	1.872	1.872	H1
48	MP4B PIPE	.349	3.875	2	.128			11	20866	32130	1.872	1.872	
49	MP2B PIPE	.306	3.875	8		3					1.872	1.872	
50	M94 HSS4	.177	1.417	6	.052		z	12	13835	139518	16.181		
51	M95 HSS4	.185	1.417	10	.051		z	4	13835	139518		16.181	
52	M96 HSS4	.175	1.417	2		1	Z	8	13835	139518	16.181		
53	M98 PIPE	.140	2.5	7		2.5	-	7	28843	32130	1.872	1.872	
54	M100 PIPE	.140	2.5	5		2.5				32130			H1
55	M101 PIPE_	.199	2.115	10		1.				50715		3.596	
56	M108 PIPE	.186	2.115	12		1				50715		3.596	
57	M115 PIPE	.191	12.385	3		1				50715			
58	M122 L3X3X4	.430	2.565	1								3.596	
59	M123 L3X3X4	.432	2.565	5	.035	0	У	6	40327	46656	1.000		H2-1
60	M124 L3X3X4	.432				2	Y			46656		and the second second second	H2-1
61	M125 LL3x3	.093	2.565	9			У				1.688	3.756	
			5.759	13	A REAL PROPERTY AND ADDRESS OF	5		_		70632	0.043	3.75	1011
DIO	A 2D Varsion 1	704 mm 1 1 1 1											and the second se

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RISA-3D Version 17.0.4 [R:\...\...\...\...\Rev 0\Risa\5000055445-VZW\_MT\_LO\_H.r3d]

Page 180

	Company	3
	Designer	1
IKISA	Job Number	2
4 NEMETSCHEK COMPANY	Model Name	3

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

	Member Shape	Code Check	Locift	LC	Shear Check	L	Dir	LC	phi*Pnphi*P	phi*Mn y.	phi*Mn	Eqn
62	M126 LL3x3	.091	5,759	21	.005	5	z	12	4734570632	5.543	3.75	1 H1
63	M127 LL3x3	.092	5.759	17	.005	5	z	8	4734570632	5.543	3.75	1 H1
64	MP3C PIPE	.292	4.885	6	.130	4		5	3396150715	3.596	3.596	,H1
65	MP3B PIPE	.276	4.885	2	.124	4		1	3396150715	3.596	3.596	H1

\$7-\$\$7	Client:	Verizon Wireless	Date: 7/19/2023
VzW	Site Name:	THOMPSON 2 CT	
SMART Tool <sup>©</sup>	MDG #:	5000055445	
Vendor	Fuze ID #:	17123826	Page: 1

Version 1.01

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

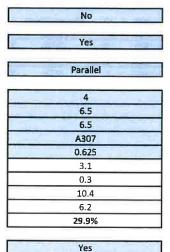
**Custom Orientation Required** 

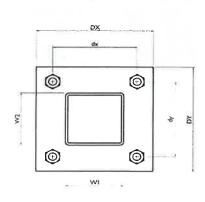
#### Tower Connection Bolt Checks

#### Bolt Orientation

Bolt Quantity per Reaction:

d<sub>x</sub> (in) (Delta X of typ. bolt config. sketch):
d<sub>y</sub> (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:

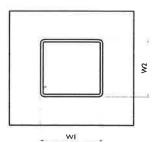




#### Tower Connection Baseplate Checks

Connecting Standoff Member Shape: Weld Stiffener Configuration: Plate Width,  $D_x(in)$ : Plate Height, D<sub>y</sub> (in): W1(in): W2 (in): Member Thickness (in): Stiffener location a1 (in): Stiffener location b<sub>1</sub> (in): Stiffener location a2 (in): Stiffener location b<sub>2</sub> (in): F<sub>y</sub> (ksi, plate): Plate Thickness (in): Length of Yield Line, L<sub>v</sub> (in): Bolt Eccentricity, e (in): M<sub>u</sub> (kip-in): Phi\*M<sub>n</sub> (kip-in): Plate Bending Utilization:

Rect Tube
No Stiffeners
10
10
4
4
0.25
36
0.5
7.04
2.00
6.19
14.26
43.4%



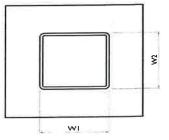
VzW	Client:	Verizon Wireless	Date: 7/19/2023
	Site Name:	THOMPSON 2 CT	
SMART Tool <sup>©</sup>	PSLC #:	5000055445	
Vendor	Fuze ID #:	17123826	Page: 2
	-		Version 1.01

Tower Connection Weld Checks

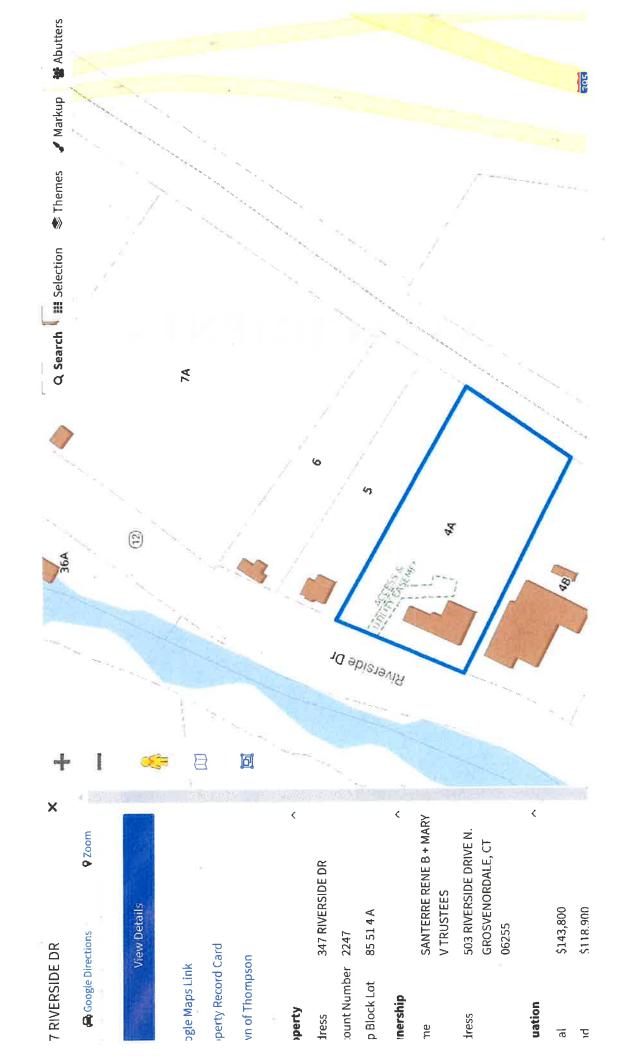
	Rectangle	1.1
12	None	
	4	
	4	
	4	
	16.00	
	21.33	
	21.33	
	85.33	
	2.25	
	2.25	
	1.17	
	5.57	
	21.0%	

Vor

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# **ATTACHMENT 4**



## 347 RIVERSIDE DR

Location	347 RIVERSIDE DR	Mblu	85/ 51/ 4/A /
Acct#	004303	Owner	SANTERRE RENE B + MARY V TRUSTEES
PBN	DM1	Assessment	\$145,500
Appraisal	\$207,900	PID	2247
Building Count	a 1		

## Current Value

	Appraisal			
Valuation Year	Improvements	Land	Total	
2021	\$38,100	\$169,800	\$207,900	
	Assessment			
Valuation Year	Improvements	Land	Total	
2021	\$26,600	\$118,900	\$145,500	

### **Owner of Record**

Owner	SANTERRE RENE B + MARY V TRUSTEES	Sale Price	\$0
Co-Owner	R B + M V SANTERRE REV TRUST AGRMT	Certificate	
Address	503 RIVERSIDE DRIVE	Book & Page	0407/0236
	N. GROSVENORDALE, CT 06255	Sale Date	12/15/1999

## **Ownership History**

Ownership History								
Owner	Sale Price	Certificate	Book & Page	Sale Date				
SANTERRE RENE B + MARY V TRUSTEES	\$0		0407/0236	12/15/1999				
SANTERRE RENE B + MARY V	\$0		0078/0278	11/14/1967				

## **Building Information**

## **Building 1 : Section 1**

Year Built:	1950
Living Area:	4,040
Replacement Cost:	\$184,673

# **ATTACHMENT 5**

DITED STATES POSTAL SERVICE ®	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Offic	e <sup>™</sup> Affix Stamp Here Postmark with Date of	Affix Stamp Here Postmark with Date of Receipt.			
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	Postmaster, per (name of receive		09/11/2023 US POSTAGE \$003.19 ZIP 06103 041L12203937				
USPS <sup>®</sup> Tracking Number Firm-specific Identifier	(Name, Street, C	Address ity, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift	
	Amy St. Onge, First Town of Thompson 815 Riverside Drive North Grosvenordale	e. CT 06255	(9				
	Tyra Penn-Gesek, D Town of Thompson 815 Riverside Drive North Grosvenordal	irector of Planning and 2	Zoning SL.	1			
	Mary and Rene Sant 503 Riverside Drive North Grosvenordal	епте		PS			
			_	1			

Verizon/Thompson 2