Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts and New York

August 17, 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 651 Paddock Avenue, Meriden, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at the above-referenced address (the "Property"). Cellco's facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. The tower was approved by the Siting Council ("Council") in August of 2007 (Docket No. 329). A copy of the Council's Docket No. 329 Decision and Order and exempt modification approval are 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 Meriden'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. August 17, 2023 Page 2

- 2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.
- 3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
- 4. The installation of Cellco's new Filters will not result in a change to radio frequency (RF) emissions from the facility. Therefore, no new RF emissions information is included in this filing.
- 5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
- 6. According to the attached Structural Analysis Report ("SA") and Antenna Mount Analysis Report ("MA"), the existing tower, foundation, antenna platform and mounting assembly can support Cellco's proposed modifications. A copy of the SA and MA are included in Attachment 3.

A copy of the parcel map and Property owner information is included in <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,

Kenneth C. Baldwin

Enclosures Copy to:

Kevin Scarpati, Mayor Monica Sims, Director of Planning and Enforcement First Assembly of God Church of Meriden, Inc. Alex Tyurin, Verizon Wireless

ATTACHMENT 1

DOCKET NO. 329 – Optasite Towers LLC and Omnipoint }

Communications, Inc. application for a Certificate of Environmental Compatibility and Public Need for the } construction, maintenance and operation of a telecommunications facility at Paddock Avenue in Meriden, Connecticut. }

Connecticut

August 29, 2007

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 Pubic Need, as provided by General Statutes § 16-50k, be issued to Optasite Towers, LLC for the construction, maintenance and operation of a wireless telecommunications facility at the location identified as "Site C" on property owned by the First Assembly of God Church of Meriden at 651 Paddock Avenue in Meriden, Connecticut. The Council denies certification of the locations identified as the "wooded site" and the "parking lot site."

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 designed as a steel monopole and shall be constructed no taller than 120 feet above ground level to provide telecommunications services to both public and private entities.
- 2. All antennas installed by commercial wireless telecommunications providers shall be flush-mounted.
- 3. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the City of Meriden 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, color of the tower (to be determined after consultation with the property owner and the City of Meriden), antenna mountings, equipment building, access road, utility line, and landscaping; and

- construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the <u>2002 Connecticut Guidelines for Soil Erosion and</u> Sediment Control, as amended.
- 4. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council in the event other carriers locate at this facility or if circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.
- 5. 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.
- 6. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
- 7. The Certificate Holder shall provide reasonable space on the tower for no compensation for any City of Meriden public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.
- 8. 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 Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.
- 9. Any request for extension of the time period referred to in Condition 8 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 City of Meriden. Any proposed modifications to this Decision and Order shall likewise be so served.
- 10. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

- 11. The Certificate Holder shall remove any nonfunctioning antenna, and associated antenna mounting equipment, within 60 days of the date the antenna ceased to function.
- 12. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder 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, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the Meriden Record-Journal and the Hartford Courant.

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

The parties and intervenors in this proceeding are:

Status Guantad	Status Holder	Representative (name, address & phone number)
Status Granted	(name, address & phone number)	(name, address & phone number)
31		
Applicant	Optasite, Inc.	Julie Kohler, Esq.
	One Research Drive, Suite 200C	Carrie L. Larson, Esq.
¥:	Westborough, MA 01581	Cohen and Wolf, P.C.
		1115 Broad Street
	Omnipoint Communications, Inc.	Bridgeport, CT 06604
	100 Filley Street	(203) 368-0211
	Bloomfield, CT 06002	(203) 394-9901 fax
	,	jkoher@cohenandwolf.com
		clarson@cohenandwolf.com
Party	City of Meriden	Deborah L. Moore, Esq.
(granted on May 1,	City of Worldon	Legal Department
2007)		Meriden City Hall
ŕ		142 East Main Street
		Meriden, CT 06450
441		(203) 630-4045
		(203) 630-7907
		dmoore@ci.meriden.ct.us
		dinoore@cr.menden.cr.us

THE STATE OF THE S

Daniel F. Caruso Chairman

May 21, 2008

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

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

RE: EM-VER-080-080305 - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 651 Paddock Avenue, Meriden, Connecticut.

Dear Attorney Baldwin:

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

The proposed modifications are to be implemented as specified here and in your notice dated March 5, 2008, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Affirmative Action: Equal Opportunity Employer

Thank you for your attention and cooperation.

S. Derek Phelps

Executive Director

SDP/MP

C: Honorable Mark Benigni, Mayor, City of Meriden Lawrence Kendzior, City Manager, City of Meriden Deborah L. Moore, Associate City Attorney, City of Meriden Dominick Caruso, City Planner, City of Meriden

ATTACHMENT 2



BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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



TECHNICAL SPECIFICATIONS

BAND IVANIE	200 PATH 7 850 UPLINK PATH	suo sioville INIX PATH	
Passband	698 - 849MHz	869 - 891 5MHz	
Insertion loss	0.1dB typical / 0.3dB maximum	0,5dB typical, 1,45dB maximum	
Return loss	24dB typical, 18	dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz	
Rejection	53dB minimum @ 89	94.1 - 896.5MHz	
ELECTRICAL			
Impedance	50Ohr		
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 - 13N	íHz	
Insertion loss	0.3dB maximum		
Return loss	15dB minimum		
Input voltage range	± 33V		
DC current rating	2A continuous	4A peak	
Compliance	3GPP TS 25,461		
ENVIRONMENTAL			
For further details of environmental co			
Temperature range	-20°C to +60°C -	4°F to +140°F	
Ingress protection	IP67		
Altitude	2600m 8		
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit mu	st be terminated with some lightning protection circuits	
MTBF	>1,000,000		
Compliance	ETSI EN 300 019 class 4.1H, R	oHS, NEBS GR-487-CORE	
MECHANICAL			
Dimensions H x D x W	269 x 277 x 80mm 10.60 x 10.90 x 3.15ii		
Weight	8,0 kg 17,6 lbs		
Finish	Powder coated, light		
Connectors	RF: 4,3-10		
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.		

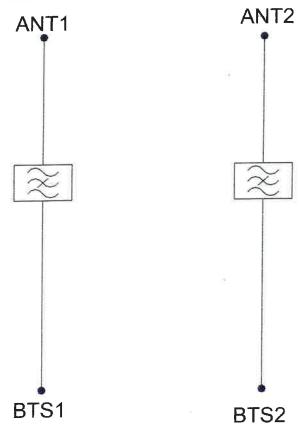


ORDERING INFORMATION

GONFIGURATION	OPTIONAL FEATURES	ochhectors.	
TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)	
TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)	
	DC/AISG PASS	4.3-10 (F)	
	In the second se	TWIN, 2 in / 2 out DC/AISG PASS NO BRACKET TWIN, 2 in / 2 out DC/AISG PASS	



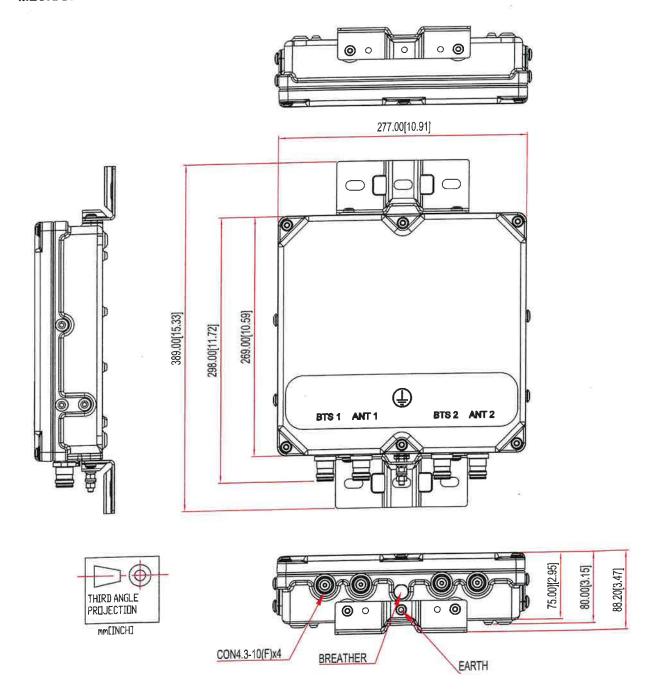
ELECTRICAL BLOCK DIAGRAM



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MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3



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

> T + 561 995 7670 F + 561 995 7626

> > sbasite.com

Structural Analysis Report

Client: Verizon

Client Site ID / Name: 5000382428 / MERIDEN SE CT Application #: 233253, v2

SBA Site ID / Name: CT13069-A / Meriden

120 ft Monopole

651 Paddock Avenue Meriden, Connecticut 06450 Lat: 41.512750, Long: -72.779449

Project number: CT13069-VZW-072523

Analysis Results

Tower	87%	Pass
Foundation	98%	Pass

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

Prepared by:

Reviewed by:

Daniel Romero Structural Engineer I 561-981-7377 DRomero@sbasite.com Anantha (Shan) Shanubhogue, P.E. Senior Manager, Structural Engineering 561-981-7390 SShanubhogue@sbasite.com

July 27, 2023





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

> T + 561 995 7670 F + 561 995 7626

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Topiaconicit	13/73

Prepared by:

Reviewed by:

Daniel Romero Structural Engineer | 561-981-7377 DRomero@sbasite.com Anantha (Shan) Shanubhogue, P.E. Senior Manager, Structural Engineering 561-981-7390 SShanubhogue@sbasite.com

July 27, 2023

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Introduction

The purpose of this report is to summarize the analysis results on the 120 ft Monopole to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document	
Tower design/drawings	Sabre, Job #08-10201 dated November 8, 2007	
Foundation drawings	Sabre, Job #08-10201 dated November 8, 2007	
Geotechnical report	Gemini Geotechnical Associates, Project #07099CT dated August 31, 2007	
Mount Analysis	Colliers Engineering & Design CT, Project # 23777149, dated July 24, 2023	
Modification drawings	TES, Job # 119368, dated April 27, 2022	
Latest SA	TES, Project #119368 dated April 27, 20022	

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut/New Haven/Meriden
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 CSBC
Ultimate Wind Speed (3-Sec gust)	119.0 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	В
Topographic Category	1
Crest Height	0 ft
Ground Elevation	324.12 ft.
Seismic Parameter S _s	0.206
Seismic Parameter S ₁	0.055

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



Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	•	3	Ericsson AIR6449 B41 - Panel	Low Profile Platform w/ Handrails [Sitepro RMQP-		T-Mobile
2		3	Ericsson Air 32 KRD901146- 1_B66A_B2A Panel			
3		3	RFS APXVAALL18-43-U-NA20 - Panel		(10) 1 5/8"	
4	117.0	3	Ericsson KRY 112 144/1 TMA	4096-HK1	(3) 1 5/8" Fiber	1 WOONE
5		3	Commscope SDX1926Q-43 Diplexers	4030-1110]		
6		3	Ericsson Radio 4449 B71+B85 RRUs			
7		3	Ericsson 4415 B25 RRUs			
8		3	Samsung VZS01 - Panel	Modified Low Profile Platform [PV-LPP12M-B]	(6) 1 5/8" (2) 1 5/8" Hybrid	Verizon
9	107.0	6	Andrew JAHH-65B-R3B - Panel			
10		3	Commscope CBC78T-DS-43-2X			
11		3	Samsung RFV01U-D1A			
12		3	Samsung RFV01UA-D2A			
13		2	Samsung RFS DB-T1-6Z-8AB-0Z			
14		3	Commscope NNVV-65B-R4 - Panel			
1 5		3	Nokia AAHC - Panel			
16		3	Alcatel Lucent 1900 MHz	(3) Sector Frames	(1) 1 5/8" Fiber	T-Mobile
17	97.0	6	Alcatel Lucent 800 MHz RRU	[SitePro UDS-NPL]	(4) 1-1/4" Fiber	Sprint
18		3	Alcatel Lucent TD-RRH8x20-25	[Siter to obs Wile]	(3) 1/2"	<u>-</u>
19		2	Andrew VHLP2-18 - Dish			
20		1	Andrew VHLP1-23 - Dish			
21		3	JMA Wireless - MX08FRO665-21 - Panel	Low Profile Platform		
22		3	Fujitsu TA08025-B605	[Commscope MC-PK8-	(1) 1.411"	Dish
23	87.0	3	Fujitsu TA08025-B604	DSH]	(2, 2, ,	Wireless
24	1	1	Raycap RDIDC-9181-PF-48	55113		

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 233253, v2 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
8		2	Kaelus KA-6030			
9	107.0	3	Samsung VZS01 - Panel			
10		6	Andrew JAHH-65B-R3B - Panel	Modified Low Profile	(6) 1 5/8"	
11		3	Commscope CBC78T-DS-43-2X	Platform [PV-LPP12M-B]	(2) 1 5/8" Hybrid	Verizon
12		3	Samsung RFV01U-D1A	Tidetoini [i V ci i 12ivi b]		
13		3	Samsung RFV01UA-D2A			
14		2	RFS DB-T1-6Z-8AB-0Z			



Analysis Results

Tower

The results of the structural analysis are shown below in table 5. Additional information for the tower analysis is provided within the Appendix.

Table 5 Tower Analysis Summary

	Pole shafts	Anchor Bolts	Base Plate	Reinforcement	
Max. Usage:	87.0%	62.9%	53.6%	79.3%	
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	98%	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



Usage Diagram - Max Ratio 87.05% at 20.0ft

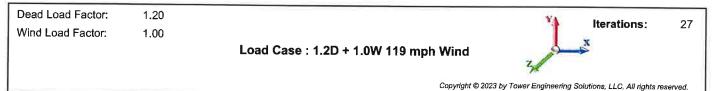
Structure: CT13069-A **Code**: EIA/TIA-222-H 7/27/2023

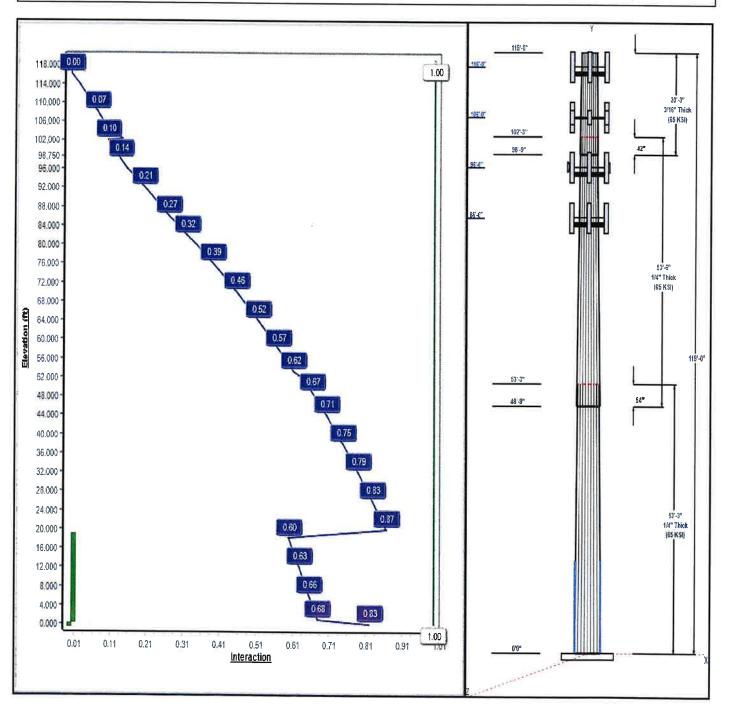
 Site Name:
 Meriden
 Exposure:
 B

 Height:
 119.00 (ft)
 Gh:
 1.1

Base Elev: 1.000 (ft)







Structure: CT13069-A

Type: Tapered

Site Name: Meriden

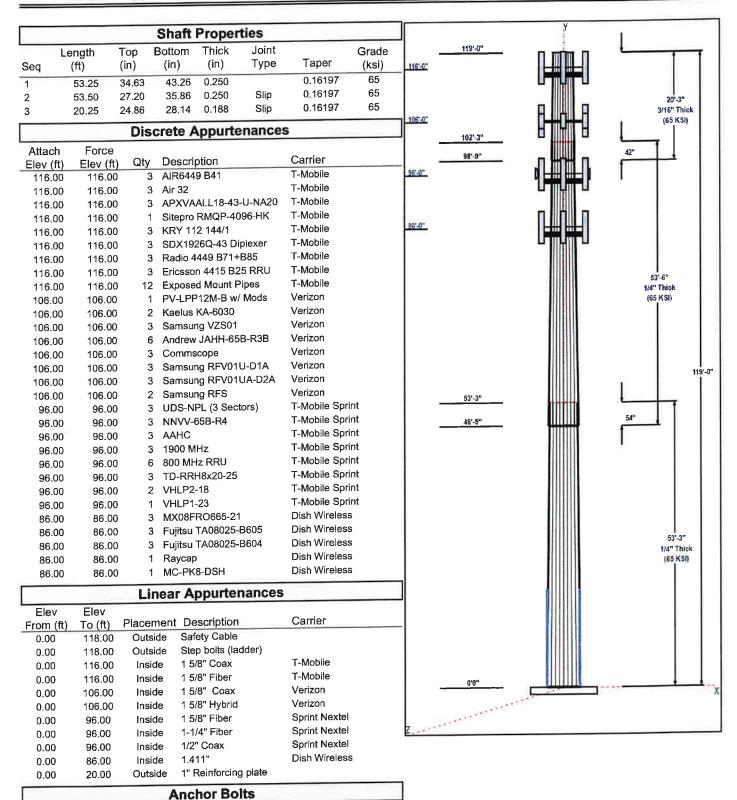
Height: 119.00 (ft) **Base Elev:** 1.00 (ft)

Base Shape: 18 Sided

Taper: 0.16197

7/27/2023





Structure: CT13069-A

Type: Tapered Base Shape: 18 Sided

7/27/2023

Site Name: Meriden

Taper: 0.16197

Height: 119.00 (ft) Base Elev: 1.00 (ft)



Grade	,
-------	---

Base Plate											
8	2.25" 18J	75.0	Cluster								
Qty	Specifications	(ksi)	Arrangement								

	Base Plate											
Thickness (in)	Specifications (in)	Grade (ksi)	Geometry									
2.2500	47.0	60.0	Clipped									

Reactions										
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)							
1.2D + 1.0W 119 mph Wind	1769.7	19.3	30.7							
0.9D + 1.0W 119 mph Wind	1745.2	19.3	23.0							
1.2D + 1.0Di + 1.0Wi 50 mph Wind	508.4	5.7	41.9							
1.2D + 1.0Ev + 1.0Eh	45.8	0.4	31.9							
0.9D + 1.0Ev + 1.0Eh	45.0	0.4	24.1							
1.0D + 1.0W 60 mph Wind	399.2	4.4	25.6							

Structure: CT13069-A - Coax Line Placement

Type: Monopole

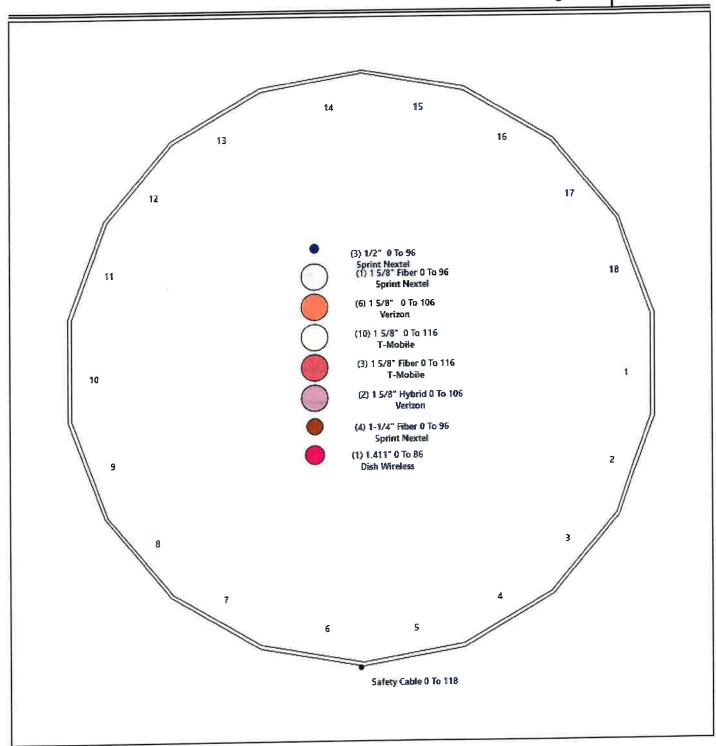
Height:

Site Name: Meriden

119.00 (ft)

7/27/2023

SBA



Shaft Properties

Structure: CT13069-A

Code:

TIA-222-H

7/27/2023

Site Name: Meriden

Exposure:

В

Height:

119.00 (ft)

Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class:

D - Stiff Soil

SBA

Gh: 1.1 Topography: 1

Struct Class: ||

Page: 1

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	53.250	0.2500	65		0.00	5,564
2	18	53.500	0.2500	65	Slip	54.00	4,519
3	18	20.250	0.1875	65	Slip	42.00	1,079
					Total Sha	aft Weight:	11,161

	Bottom								1				
Sec. No.	Dia (in)	Elev (ft)	Area (sqin)	ix (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	43.26	0.00	34.13	7976.14	29.10	173.04	34.63	53.25	27.28	4075.54	23.02	138.5	0.161975
2	35.86	48.75	28.26	4528.32	23.88	143.45	27.20	102.25	21.38	1961.86	17.77	108.7	0.161975
3	28.14	98.75	16.63	1642.13	25.05	150.08	24.86	119.00	14.68	1129.24	21.97	132.5	0.161975

Additional Steel

Elev	Elev				Intermediate Connectors — Termination Connectors —										
From (ft)	To (ft)	Qty	Description	Fy (ksi)	Fu (ksi)	Offset (in)	Description	Spacing (in)	Description	Spacing (in)	Lower Qtv	Upper Qty			
0.00	1.00	3	SOL 1 3/4" William R71	128	150	0.00	5/8" Hollo Bolt	12.00	5/8" Hollo Bolt	3.00	4.7				
1.00	18.25	3	LNP LP6X100-B-20T	65	80	0.00	5/8" Hollo Bolt	24.00	5/8" Hollo Bolt	3.00		11			

Load Summary

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

Site Name: Meriden Exposure: B
Height: 119.00 (ft) Crest Height: 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: II Page: 2



Discrete Appurtenances

				No Ice				Ice			
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1		AIR6449 B41	3	103.00	5.65	0.71	192.17	6.268	0.71	0.00	0.00
2		Air 32 KRD901146-1_B66A_B2A	3	132.00	6.51	0.87	243.62	7.222	0.87	0.00	0.00
3		APXVAALL18-43-U-NA20	3	92.60	15.24	0.73	297.56	15.670	0.73	0.00	0.00
4		Sitepro RMQP-4096-HK	1	1945.00	34.54	1.00	3269.46	51.161	1.00	0.00	0.00
5		KRY 112 144/1	3	11.00	0.41	0.67	18.01	0.719	0.67	0.00	0.00
6		SDX1926Q-43 Diplexer	3	6.00	0.29	0.67	12.37	0.563	0.67	0.00	0.00
7		Radio 4449 B71+B85	3	74.00	1.97	0.50	111.96	2.340	0.50	0.00	0.00
8		Ericsson 4415 B25 RRU	3	46.00	1.64	0.50	72.73	1.975	0.50	0.00	0.00
9		Exposed Mount Pipes	12	30.00	1.68	1.00	50.43	2.252	1.00	0.00	0.00
10		PV-LPP12M-B w/ Mods	1	1615.00	48.40	1.00	2632.30	87.598	1.00	0.00	0.00
11		Kaelus KA-6030	2	17.60	0.96	0.65	32.59	1.216	0.68	0.00	0.00
12		Samsung VZS01	3	87.10	4.70	0.70	159.40	5.282	0.71	0.00	0.00
13		Andrew JAHH-65B-R3B	6	63.30	9.11	0.50	203.91	9.950	0.50	0.00	0.00
14		Commscope CBC78T-DS-43-2X	3	10.40	0.55	0.50	16.15	0.752	0.50	0.00	0.00
15		Samsung RFV01U-D1A	3	70.30	1.88	0.50	97.53	2.231	0.50	0.00	0.00
16		Samsung RFV01UA-D2A	3	84.50	1.88	0.50	121.80	2.231	0.50	0.00	0.00
17		Samsung RFS DB-T1-6Z-8AB-0Z	2	18.90	4.80	0.71	50.77	5.346	0.71	0.00	0.00
18		UDS-NPL (3 Sectors)	3	350.00	11.30	0.75	568.31	20.362	0.75	0.00	0.00
19		NNVV-65B-R4	3	77.40	12.27	0.74	259.65	13.199	0.74	0.00	0.00
20		AAHC	3	104.00	4.20	0.75	180.99	4.717	0.75	0.00	0.00
21		1900 MHz	3	60.00	2.71	0.50	111.54	3.517	0.50	0.00	0.00
22		800 MHz RRU	6	53.00	2.49	0.50	100.20	3.220	0.50	0.00	0.00
23		TD-RRH8x20-25	3	70.00	4.05	0.50	135.29	4.554	0.50	0.00	0.00
24		VHLP2-18	2	31.00	4.69	1.00	93.46	5.505	1.00	1.00	0.00
25		VHLP1-23	1	14.20	1.61	1.00	36.78	2.094	1.00	0.00	0.00
26		MX08FRO665-21	3	64.50	12.49	0.74	248.13	13.415	0.74	0.00	0.00
27	86.00	Fujitsu TA08025-B605	3	75.00	1.96	0.50	108.02	2.314	0.50	0.00	0.00
28		Fujitsu TA08025-B604	3	63.90	1.96	0.50	95.86	2.314	0.50	0.00	0.00
29		Raycap RDIDC-9181-PF-48	1	21.90	2.01	1.00	55.52	2.369	1.00	0.00	0.00
30		MC-PK8-DSH	1_	1727.00	34.23	1.00	2792.57	61.384	1.00	0.00	0.00

Totals: 92 11,261.00 20,723.45

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	118.00		0.38	Outside
0.00	118.00		0.63	Outside
0.00	116.00		0.00	Inside
0.00	116.00	` '	0.00	Inside
0.00	106.00	(6) 1 5/8" Coax	0.00	Inside
0.00	106.00	(2) 1 5/8" Hybrid	0.00	Inside
0.00	96.00	(1) 1 5/8" Fiber	0.00	Inside
0.00	96.00	(4) 1-1/4" Fiber	0.00	Inside
0.00	96.00	(3) 1/2" Coax	0.00	Inside
0.00	86.00	(1) 1.411"	0.00	Inside
0.00	20.00	(1) 1" Reinforcing plate	1.00	Outside

Discrete Appurtenances

				No Ice			lce				
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)

Shaft Section Properties

CT13069-A Structure:

Code:

TIA-222-H

7/27/2023

Site Name: Meriden Height:

119.00 (ft)

Exposure:

В

Crest Height: 0.00

Site Class: D - Stiff Soil

Gh:

1.1

Base Elev: 1.000 (ft) Topography: 1

Struct Class: ||



Increme	nt Length:	2 (ft)												
	<i>5</i> 3										Ac	lditional F	Reinforci	ng
Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	lx (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Area (in^2)	lxp (in^4)	lyp (in^4)	Weight (lb)
0.00	RB1	0.2500	43.260	34.127	7976.1	29.10	173.04	65	67	0.0	7.80	2418.2	1517.2	64.2
1.00	RT1 RB2	0.2500	43.098	33.999	7886.4	28.99	172.39	65	67	115.9	18.00	5363.2		61.2 61.2
2.00		0.2500	42.936	33.870	7797.3	28.87	171.74	65	67	115.5	18.00	5324.0	3351.5	122.5
4.00		0.2500	42.612	33.613	7621.1	28.64	170.45	65	68	229.6	18.00	5245.9	3302.6	122.5
6.00		0.2500	42.288	33.356	7447.6	28.42	169.15	65	68	227.9	18.00	5168.5	3254.0 3205.9	122.5
8.00		0.2500	41.964	33.099	7276.7	28.19	167.86	65	68	226.1	18.00	5091.7	_	122.5
10.00		0.2500	41.640	32.842	7108.5	27.96	166.56	65	69	224.4	18.00	5015.4	3158.1	122.5
12.00		0.2500	41.316	32.585	6942.9	27.73	165.27	65	69	222.6	18.00	4939.7	3110.6 3063.5	122.5
14.00		0.2500	40.992	32.328	6779.9	27.50	163.97	65	69	220.9	18.00	4864.6	3016.8	122.5
16.00		0.2500	40.668	32.071	6619.4	27.27	162.67	65	69	219.1	18.00	4790.1		122.5
18.00		0.2500	40.344	31.814	6461.6	27.04	161.38	65	70	217.4	18.00	4716.1	2970.5	15.3
18.25	RT2	0.2500	40.304	31.782	6442.0	27.02	161.22	65	70	27.1	18.00	4706.9	2964.7	10.5
20.00		0.2500	40.021	31.557	6306.2	26.82	160.08	65	70	188.6				
22.00		0.2500	39.697	31.300	6153.3	26.59	158.79	65	70	213.9				
24.00		0.2500	39.373	31.043	6003.0	26.36	157.49	65	70	212.1				
26.00		0.2500	39.049	30.786	5855.1	26.13	156.19	65	71	210.4				
28.00		0.2500	38.725	30.529	5709.7	25.90	154.90	65	71	208.6				
30.00		0.2500	38.401	30.272	5566.6	25.67	153.60	65	71	206.9				
32.00		0.2500	38.077	30.014	5426.0	25.45	152.31	65	71	205.1				
34.00		0.2500	37.753	29.757	5287.8	25.22	151.01	65	72	203.4				
36.00		0.2500	37.429	29.500	5152.0	24.99	149.72	65	72	201.6				
38.00		0.2500	37.105	29.243	5018.5	24.76	148.42	65	72	199.9				
40.00		0.2500	36.781	28.986	4887.3	24.53	147.12	65	73	198.1				
42.00		0.2500	36.457	28.729	4758.4	24.30	145.83	65	73	196.4				
44.00		0.2500	36.133	28.472	4631.9	24.07	144.53	65	73	194.6				
46.00		0.2500	35.809	28.215	4507.5	23.85	143.24	65	73	192.9				
48.00		0.2500	35.485	27.958	4385.5	23.62	141.94	65	74	191.1				
48.75	Bot - Section 2	0.2500	35.364	27.862	4340.3	23.53	141.45	65	74	71.2				
50.00		0.2500	35.161	27.701	4265.6	23.39	140.65	65	74	238.0				
52.00		0.2500	34.837	27.444	4148.0	23.16	139.35	65	74	378.0				
53.25	Top - Section 1	0.2500	35.135	27.680	4255.9	23.37	140.54	65	74	234.5				
54.00	•	0.2500	35.013	27.584	4211.6	23.28	140.05	65	74	70.5				
56.00		0.2500	34.689	27.327	4095.0	23.06	138.76	65	74	186.8				
58.00		0.2500	34.365	27.070	3980.5	22.83	137.46	65	75	185.1				
60.00		0.2500	34.042	26.813	3868.2	22.60	136.17	65	75	183.3				
62.00		0.2500	33.718	26.556	3758.0	22.37	134.87	65	75	181.6				
64.00		0.2500	33.394	26.299	3649.9	22.14	133.57	65	75	179.9				
66.00		0.2500	33.070	26.041	3543.9	21.91	132.28	65	76	178.1				
68.00		0.2500	32.746	25.784	3440.0	21.69	130.98	65	76	176.4				
70.00		0.2500	32.422	25.527	3338.2	21.46	129.69	65	76	174.6				
72.00		0.2500	32.098	25.270	3238.3	21.23	128.39	65	76	172.9				
74.00		0.2500	31.774	25.013	3140.5	21.00	127.10	65	77	171.1				
76.00		0.2500	31.450	24.756	3044.7	20.77	125.80	65	77	169.4				
78.00		0.2500	31.126	24.499	2950.8	20.54	124.50	65	77	167.6				
80.00		0.2500	30.802	24.242	2858.9	20.31	123.21	65	78	165.9				
82.00		0.2500	30.478	23.985	2769.0	20.09	121.91	65	78	164.1				
84.00		0.2500	30.154	23.728	2680.9	19.86	120.62	65	78	162.4				
86.00		0.2500	29.830	23.471	2594.7	19.63	119.32	65	78	160.6				
88.00		0.2500	29.506	23.214	2510.4	19.40	118.02		79	158.9				
		0.2500	29.182	22.957	2427.9	19.17	116.73		79	157.1 %				
90.00		0.2500	20.102	001										

Increment Length:

2 (ft)

			Flat								Additional Reinforcing			ing
Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	lx (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Area (in^2)	lxp (in^4)	lyp (in^4)	Weight (lb)
92.00		0.2500	28.858	22.700	2347.3	18.94	115.43	65	79	155.4	-			
94.00		0.2500	28.534	22.443	2268.4	18.71	114.14	65	79	153.6				
96.00		0.2500	28.210	22.186	2191.4	18.49	112.84	65	80	151.9				
98.00		0.2500	27.886	21.929	2116.1	18.26	111.55	65	80	150.1				
98.75	Bot - Section 3	0.2500	27.765	21.832	2088.3	18.17	111.06	65	80	55.8	-			
100.00		0.2500	27.563	21.672	2042.5	18.03	110.25	65	80	163.0				
102.00		0.2500	27.239	21.415	1970.7	17.80	108.95	65	80	258.3				
102.25	Top - Section 2	0.1875	27.573	16.297	1544.2	24.52	147.06	65	73	32.1				
104.00		0.1875	27.290	16.129	1496.8	24.25	145.54	65	73	96.5				
106.00		0.1875	26.966	15.936	1443.7	23.95	143.82	65	73	109.1				
108.00		0.1875	26.642	15.743	1392.0	23.64	142.09	65	74	107.8				
110.00		0.1875	26.318	15.550	1341.5	23.34	140.36	65	74	106.5				
112.00		0.1875	25.994	15.357	1292.2	23.03	138.63	65	74	105.2				
114.00		0.1875	25.670	15.165	1244.1	22.73	136.91	65	75	103.9				
116.00		0.1875	25.346	14.972	1197.3	22.42	135.18	65	75	102.5				
118.00		0.1875	25.022	14.779	1151.6	22.12	133.45	65	75	101.2				
119.00		0.1875	24.860	14.683	1129.2	21.97	132.59	65	76	50.1				
							Tota	Total Weight		11161.3			_	1117.8

Wind Loading - Shaft

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

Site Name: Meriden Exposure: B
Height: 119.00 (ft) Crest Height: 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: II

Page: 6

Iterations

SBA

27

Load Case: 1.2D + 1.0W 119 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00

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 (lb)	Dead Load Ice (Ib)	Tot Dead Load (lb)
	1.00	0.70	23.829	26.21	362.35	0.630	0.000	0.00	0.000	0.00	0.0	0.0	0.0
0.00 RB1 1.00 RT1 RB2	1.00		23.829	26.21	360.99	0.630	0.000	1.00	3.654	2.30	60.3	0.0	139.1
	1.00		23.829	26.21	359.63	0.630	0.000	1.00	3.640	2.29	60.1	0.0	138.6
2.00	1.00		23.829	26.21	356.92	0.630	0.000	2.00	7.239	4.56	119.5	0.0	275.6
4.00 6.00	1.00		23.829	26.21	354.21	0.630	0.000	2.00	7.184	4.53	118.6	0.0	273.5
	1.00		23.829	26.21	351.49	0.630	0.000	2.00	7.129	4.49	117.7	0.0	271.4
8.00 10.00	1.00		23.829	26.21	348.78	0.630	0.000	2.00	7.075	4.46	116.8	0.0	269.3
12.00	1.00		23.829	26.21	346.07	0.630	0.000	2.00	7.020	4.42	115.9	0.0	267.2
14.00	1.00		23,829	26.21	343.35	0.630	0.000	2.00	6.965	4.39	115.0	0.0	265.1
16.00	1.00		23.829	26.21	340.64	0.630	0.000	2.00	6.910	4.35	114.1	0.0	263.0
18.00	1.00		23.829	26.21	337.93	0.630	0.000	2.00	6.855	4.32	113.2	0.0	260.9
	1.00		23.829	26.21	337.59	0.630	0.000	0.25	0.853	0.54	14.1	0.0	32.5
18.25 RT2	1.00		23.829	26.21	335.21	0.630	0.000	1.75	5.947	3.75	98.2	0.0	226.3
20.00	1.00		23.829	26.21	332.50	0.630	0.000	2.00	6.746	4.25	111.4	0.0	256.7
22.00	1.00		23.829	26.21	329.79	0.630	0.000	2.00	6.691	4.22	110.5	0.0	254.6
24.00	1.00		23.829	26.21	327.07	0.630	0.000	2.00	6.636	4.18	109.6	0.0	252.5
26.00	1.00		23.829	26.21	324.36	0.630	0.000	2.00	6.581	4.15	108.7	0.0	250.4
28.00	1.00		24.074	26.48	323.29	0.630	0.000	2.00	6.526	4.11	108.9	0.0	248.3
30.00	1.00		24.508	26.96	323.44	0.630	0.000	2.00	6.471	4.08	109.9	0.0	246.2
32.00	1.00		24.923	27.42	323.40	0.630	0.000	2.00	6.417	4.04	110.8	0.0	244.1
34.00	1.00		25.322	27.85	323.18	0.630	0.000	2.00	6.362	4.01	111.6	0.0	242.0
36.00	1.00		25.706	28.28	322.80	0.630	0.000	2.00	6.307	3.97	112.4	0.0	239.9
38.00	1.00		26.076	28.68	322.27	0.630	0.000	2.00	6.252	3.94	113.0	0.0	237.8
40.00	1.00		26.433	29.08	321.62	0.630	0.000	2.00	6.197	3.90	113.5	0.0	235.7
42.00	1.00		26.778	29.46	320.84	0.630	0.000	2.00	6.142	3.87	114.0	0.0	233.6
44.00	1.00		27.113	29.82		0.630	0.000	2.00	6.088	3.84	114.4	0.0	231.5
46.00	1.00		27.438	30.18	318.94	0.630	0.000	2.00	6.033	3.80	114.7	0.0	229.4
48.00	1.00		27,557	30.31	318.54	0.630	0.000	0.75	2.248	1.42	42.9	0.0	85.5
48.75 Bot - Section 2	1.00		27.753	30.53		0.630	0.000	1.25	3.783	2.38	72.8	0.0	285.6
50.00	1.00		28.060	30.87		0.630	0.000	2.00	6.008	3.78	116.8	0.0	453.6
52.00			28.248	31.07		0.630	0.000	1.25	3.727	2.35	73.0	0.0	281.4
53.25 Top - Section 1	1.00 1.00		28.359	31.19		0.630	0.000	0.75	2.226	1.40	43.7	0.0	84.6
54.00	1.00		28.650	31.51	318.60	0.630	0.000	2.00	5.898	3.72	117.1	0.0	224.2
56.00	1.00		28.933	31.83		0.630	0.000	2.00	5.843	3.68	117.2	0.0	222.1
58.00	1.00		29.210	32.13		0.630	0.000	2.00	5.789	3.65	117.2	0.0	220.0
60.00	1.00		29.481	32.43		0.630	0.000		5.734	3.61	117.1	0.0	217.9
62.00			29.745			0.630	0.000		5.679	3.58	117.1	0.0	215.8
64.00	1.00 1.00		30.004				0.000		5.624	3.54	116.9	0.0	213.7
66.00			30.257			0.630	0.000		5.569	3.51	116.8	0.0	211.6
68.00	1.00						0.000		5.514	3.47	116.6	0.0	209.5
70.00	1.00		30.505 30.748				0.000		5.460	3.44			207.4
72.00	1.00		30.746			0.630	0.000		5.405	3.40		0.0	205.3
74.00	1.00		30.900				0.000		5.350	3.37			203.2
76.00	1.00						0.000		5.295	3.34			201.1
78.00	1.00		31.450				0.000		5.240	3.30			199.0
80.00	1.00		31.675				0.000		5.185	3.27			196.9
82.00	1.00		31.897				0.000		5.131	3.23			194.8
84.00	1.00		32.115					LLC. All right					

Wind Loading - Shaft

Structure: CT13069-A Code: TIA-222-H 7/27/2023

Site Name: Meriden Exposure: В Height: 119.00 (ft) Crest Height: 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh:	1.1		Торо	graphy	r: 1	Stı	ruct C	lass: I	I			Page: 7		
86.00 Appu	rtenance(s)	1.00	0.95	32.329	35.56	291.03	0.630	0.000	2.00	5.076	3.20	113.7	0.0	192.7
88.00		1.00	0.96	32.539	35.79	288.80	0.630	0.000	2.00	5.021	3,16	113.2	0.0	190.6
90.00		1.00	0.96	32.747	36.02	286.54	0.630	0.000	2.00	4.966	3.13	112.7	0.0	188.5
92.00		1.00	0.97	32.951	36.25	284.24	0.630	0.000	2.00	4.911	3.09	112.1	0.0	186.4
94.00		1.00	0.97	33.152	36.47	281.91	0.630	0.000	2.00	4.857	3.06	111.6	0.0	184.3
96.00 Appur	tenance(s)	1.00	0.98	33.349	36.68	279.54	0.630	0.000	2.00	4.802	3.03	111.0	0.0	182.2
98.00		1.00	0.99	33.544	36.90	277.13	0.630	0.000	2.00	4.747	2.99	110.3	0.0	180.1
98.75 Bot - 3	Section 3	1.00	0.99	33.617	36.98	276.22	0.630	0.000	0.75	1.766	1.11	41.1	0.0	67.0
100.00		1.00	0.99	33.737	37.11	274.70	0.630	0.000	1.25	2.966	1.87	69.3	0.0	195.6
102.00		1.00	1.00	33.926	37.32	272.23	0.630	0.000	2.00	4.701	2.96	110.5	0.0	310.0
102.25 Top -	Section 2	1.00	1.00	33.950	37.34	271.92	0.630	0.000	0.25	0.584	0.37	13.7	0.0	38.5
104.00		1.00	1.00	34.113	37.52	273.49	0.630	0.000	1.75	4.062	2.56	96.0	0.0	115.9
106.00 Appur	tenance(s)	1.00	1.01	34.298	37.73	270.97	0.630	0.000	2.00	4.591	2.89	109.1	0.0	130.9
108.00		1.00	1.01	34.480	37.93	268.43	0.630	0.000	2.00	4.536	2.86	108.4	0.0	129.4
110.00		1.00	1.02	34.659	38.13	265.85	0.630	0.000	2.00	4.481	2.82	107.6	0.0	127.8
112.00		1.00	1.02	34.836	38.32	263.25	0.630	0.000	2.00	4.427	2.79	106.9	0.0	126.2
114.00		1.00	1.03	35.011	38.51	260.62	0.630	0.000	2.00	4.372	2.75	106.1	0.0	124.6
116.00 Appur	tenance(s)	1.00	1.03	35.184	38.70	257.97	0.630	0.000	2.00	4.317	2.72	105.3	0.0	123.1
118.00		1.00	1.04	35.355	38.89	255.29	0.630	0.000	2.00	4.262	2.69	104.4	0.0	121.5
119.00		1.00	1.04	35.440	38.98	253.94	0.630	0.000	1.00	2.110	1.33	51.8	0.0	60.2
								Totals:	119.00		-	6,734.6	_	13,393.5

Discrete Appurtenance Forces

7/27/2023 TIA-222-H Code: CT13069-A Structure:

Exposure: В Site Name: Meriden Crest Height: 0.00 119.00 (ft) Height: Site Class:

D - Stiff Soil Base Elev: 1.000 (ft)

Struct Class: || Topography: 1 Gh:

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Iterations

SBA

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Load Case: 1.2D + 1.0W 119 mph Wind 1.20 **Dead Load Factor** 1.00 **Wind Load Factor**

					Orient		Total	Dead	Horiz	Vert Ecc	Wind FX	Mom Y	Mom Z
N.	Elev (ft) Description	Qty	qz (psf)	qzGh (psf)	Factor x Ka	Ka	CaAa (sf)	Load (lb)	Ecc (ft)	(ft)	(lb)	(ib-ft)	(lb-ft)
No.		3	35.184	38.703	0.53	0.75	9.03	370.80	0.000	0.000	349.33	0.00	0.00
1	116.00 AIR6449 B41 116.00 Air 32	3	35.184	38.703	0.65	0.75	12.74	475.20	0.000	0.000	493.20	0.00	0.00
2	116.00 APXVAALL18-43-U-N	_	35.184	38.703	0.55	0.75	25.03	333.36	0.000	0.000	968.80	0.00	0.00
-	116.00 APXVAALL 18-45-0-10 116.00 Sitepro RMQP-4096-H		35.184	38.703	1.00	1.00	34.54	2334.00	0.000	0.000	1336.79	0.00	0.00
4 5	116.00 KRY 112 144/1	3	35.184	38.703	0.50	0.75	0.62	39.60	0.000	0.000	23.92	0.00	0.00
5 6	116.00 KK1 112 144/1 116.00 SDX1926Q-43 Diplexe	-	35.184	38.703	0.50	0.75	0.44	21.60	0.000	0.000	16.92	0.00	0.00
7	116.00 SDX 1920Q-43 Diplexo	. 3	35.184	38.703	0.38	0.75	2.22	266.40	0.000	0.000	85.78	0.00	0.00
8	116.00 Radio 4445 B7 11503	_	35.184	38.703	0.38	0.75	1.84	165.60	0.000	0.000	71.41	0.00	0.00
9	116.00 Exposed Mount Pipes	12	35.184	38.703	0.75	0.75	15.12	432.00	0.000	0.000	585.19	0.00	0.00
10	106.00 PV-LPP12M-B w/ Mod		34.298	37.727	1.00	1.00	48.40	1938.00	0.000	0.000	1826.00	0.00	0.00
11	106.00 FV-LFF 12M-B W MOU	2	34.298	37.727	0.49	0.75	0.94	42.24	0.000	0.000	35.31	0.00	0.00
12	106.00 Kaeius (V-0000 106.00 Samsung VZS01	3	34.298	37.727	0.52	0.75	7.40	313.56	0.000	0.000	279.28	0.00	0.00
13	106.00 Andrew JAHH-65B-R3		34.298	37.727	0.38	0.75	20.50	455.76	0.000	0.000	773.32	0.00	0.00
14	106.00 Commscope	3	34.298	37.727	0.38	0.75	0.62	37.44	0.000	0.000	23.34	0.00	0.00
15	106.00 Samsung RFV01U-D1	_	34.298	37.727	0.38	0.75	2.11	253.08	0.000	0.000	79.79	0.00	0.00
16	106.00 Samsung RFV01UA-D		34.298	37.727	0.38	0.75	2.11	304.20	0.000	0.000	79.79	0.00	0.00
17	106.00 Samsung RFS	2	34.298	37.727	0.53	0.75	5.11	45.36	0.000	0.000	192.86	0.00	0.00
18	96.00 UDS-NPL (3 Sectors)	3	33.349	36.684	0.56	0.75	19.07	1260.00	0.000	0.000	699,53	0.00	0.00
19	96.00 NNVV-65B-R4	3	33.349	36.684	0.59	0.80	21.79	278.64	0.000	0.000	799.41	0.00	0.00
20	96.00 AAHC	3	33.349	36.684	0.60	0.80	7.56	374.40	0.000	0.000	277.33	0.00	0.00
21	96.00 1900 MHz	3	33.349	36.684	0.40	0.80	3.25	216.00	0.000	0.000	119.30	0.00	0.00
22	96.00 800 MHz RRU	6	33.349	36.684	0.40	0.80	5.98	381.60	0.000	0.000	219.23	0.00	0.00
23	96.00 TD-RRH8x20-25	3	33.349	36.684	0.40	0.80	4.86	252.00	0.000	0.000	178.29	0.00	0.00
24	96.00 VHLP2-18	2	33.349	36.684	1.00	1.00	9.38	74.40	2.194	0.000	344.10		0.00
25	96.00 VHLP1-23	1	33.349	36.684	1.00	1.00	1.61	17.04	0.000	0.000	59.06	0.00	0.00
26	86.00 MX08FRO665-21	3	32.329	35.562	0.55	0.75	20.80	232.20	0.000	0.000	739.53	0.00	0.00
27	86.00 Fujitsu TA08025-B605	3	32.329	35.562	0.38	0.75	2.21	270.00	0.000	0.000	78.41	0.00	0.00
28	86.00 Fujitsu TA08025-B604		32.329	35.562	0.38	0.75	2.21	230.04	0.000	0.000	78.41	0.00	0.00
29	86.00 Raycap	1	32.329	35.562	0.75	0.75	1.51	26.28	0.000	0.000	53.61	0.00	0.00
30	86.00 MC-PK8-DSH	1	32.329	35.562	1.00	1.00	34.23	2072.40	0.000	0.000	1217.27	0.00	0.00
	33.33 110 2 4.1										0.004.54		

12,084.51 Totals: 13,513.20

Total Applied Force Summary

Exposure:

Structure: CT13069-A

Site Name: Meriden

Height: 119.00 (ft)

Base Elev: 1.000 (ft) Gh:

1.1

Code:

TIA-222-H

В

Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: II

Page: 9

7/27/2023

Iterations 27

SBA

Load Case: 1.2D + 1.0W 119 mph Wind

Dead Load Factor

1.20

Topography: 1

Axial

Wind Load Factor

Lateral

1.00

Torsion

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	
0.00		0.00	0.00	0.00	0.00	
1.00		67.35	173.90	0.00	0.00	
2.00		67.13	173.38	0.00	0.00	
4.00		133.57	345.18	0.00	0.00	
6.00		132.67	343.08	0.00	0.00	
8.00		131.76	340.98	0.00	0.00	
10.00		130.86	338.88	0.00	0.00	
12.00		129.95	336.78	0.00	0.00	
14.00		129.05	334.68	0.00	0.00	
16.00		128.14	332.58	0.00	0.00	
18.00		127.24	330.48	0.00	0.00	
18.25		15.84	41.16	0.00	0.00	
20.00		110.49	287.22	0.00	0.00	
22.00		116.69	326.29	0.00	0.00	
24.00		115.78	324.19	0.00	0.00	
26.00		114.88	322.09	0.00	0.00	
28.00		113.97	319.99	0.00	0.00	
30.00		114.23	317.89	0.00	0.00	
32.00		115.36	315,79	0.00	0.00	
34.00		116.36	313.69	0.00	0.00	
36.00		117.26	311.59	0.00	0.00	
38.00		118.06	309.49	0.00	0.00	
40.00		118.77	307.39	0.00	0.00	
42.00		119.40	305.29	0.00	0.00	
44.00		119.94	303.19	0.00	0.00	
46.00		120.41	301.10	0.00	0.00	
48.00		120.81	299.00	0.00	0.00	
48.75		45.23	111.58	0.00	0.00	
50.00		76.61	329.14	0.00	0.00	
52.00		123.06	523.21	0.00	0.00	
53.25		76.88	324.88	0.00	0.00	
54.00		46.11	110.73	0.00	0.00	
56.00		123.47	293.84	0.00	0.00	
58.00		123.59	291.74	0.00	0.00	
60.00		123.67	289.64	0.00	0.00	
62.00		123.69	287.54	0.00	0.00	
64.00		123.67	285.44	0.00	0.00	
66.00		123.61	283.34	0.00	0.00	
68.00		123.50	281.24	0.00	0.00	
70.00		123.35	279.14	0.00	0.00	
72.00		123.17	277.05	0.00	0.00	
74.00		122.94	274.95	0.00	0.00	
76.00		122.69	272.85	0.00	0.00	
78.00		122.39	270.75	0.00	0.00	
80.00		122.07	268.65	0.00	0.00	
82.00		121.71	266.55	0.00	0.00	
84.00		121.32	264.45	0.00	0.00	

Total Applied Force Summary

7/27/2023 TIA-222-H Code: CT13069-A Structure:

В Exposure: Site Name: Meriden Crest Height: 0.00 119.00 (ft) Height:

Site Class: D - Stiff Soil Base Elev: 1.000 (ft)

of Class:



Gh:	1.1	Тор	ography: 1	Struct	Class: II	Page: 10	
86.00	(11) attachments	2288.14	3093.27	0.00	0.00		
88.00	(11) audominomo	120.45	259.87	0.00	0.00		
90.00		119.98	257.77	0.00	0.00		
92.00		119.47	255.67	0.00	0.00		
94.00		118.94	253.57	0.00	0.00		
96.00	(24) attachments	2814.62	3105.55	754.81	0.00		
98.00	(24) attasimi	117.80	236.42	0.00	0.00		
98.75		43.94	88.12	0.00	0.00		
100.00		74.02	230.80	0.00	0.00		
102.00		118.06	366.30	0.00	0.00		
102.25		14.68	45.53	0.00	0.00		
104.00		102.66	165.11	0.00	0.00		
106.00	(23) attachments	3406.44	3576.86	0.00	0.00		
108.00	(LD) dillerini	116.05	165.39	0.00	0.00		
110.00		115.34	163.81	0.00	0.00		
112.00		114.60	162.24	0.00	0.00		
114.00		113.85	160.66	0.00	0.00		
116.00	(34) attachments	4044.41	4597.65	0.00	0.00		
118.00	(01) 21100	112.28	124.63	0.00	0.00		
119.00		51.83	60.15	0.00	0.00		
, .5.50	Totals:	19,286.26	30,711.36	754.81	0.00		

Structure: CT13069-A Code: TIA-222-H 7/27/2023

Site Name: Meriden Exposure: В Height: 119.00 (ft) Crest Height: 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: || Page: 11



Load Case: 1.2D + 1.0W 119 mph Wind

Dead Load Factor Wind Load Factor 1.00



Iterations

27

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)
1.00	Safety Cable	Yes	1.00	1.200	0.38	0.03	0.04	0.000	0.000	23.829	1.00	0.33
1.00	Step bolts (ladder)	Yes	1.00	1.200	0.63	0.05	0.06	0.000	0.000	23.829	1.65	1.25
1.00	1" Reinforcing plate	Yes	1.00	2.000	1.00	0.08	0.17	0.000	0.000	23.829	4.37	0.00
2.00	Safety Cable	Yes	1.00	1.200	0.38	0.03	0.04	0.000	0.000	23.829	1.00	0.33
2.00	Step bolts (ladder)	Yes	1.00	1.200	0.63	0.05	0.06	0.000	0.000	23.829	1.65	1.25
2.00	1" Reinforcing plate	Yes	1.00	2.000	1.00	0.08	0.17	0.000	0.000	23.829	4.37	0.00
4.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23,829	1.99	0.66
4.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	2.50
4.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	8.74	0.00
6.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	1.99	0.66
6.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	2.50
6.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	8.74	0.00
8.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	1.99	0.66
8.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	2.50
8.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	8.74	0.00
10.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	1.99	0.66
10.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	2.50
10.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	8.74	0.00
12.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	1.99	0.66
12.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	-0.10	0.13	0.000	0.000	23.829	3.30	2.50
12.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	8.74	0.00
14.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	1.99	0.66
14.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	2.50
14.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	8.74	0.00
16.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	1.99	0.66
16.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	2.50
16.00	 Reinforcing plate 	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	8.74	0.00
18.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	1.99	0.66
18.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	2.50
18.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	8.74	0.00
18.25	Safety Cable	Yes	0.25	1.200	0.38	0.01	0.01	0.000	0.000	23.829	0.25	0.08
18.25	Step bolts (ladder)	Yes	0.25	1.200	0.63	0.01	0.02	0.000	0.000	23.829	0.41	0.31
18.25	1" Reinforcing plate	Yes	0.25	2.000	1.00	0.02	0.04	0.000	0.000	23.829	1.09	0.00
20.00	Safety Cable	Yes	1.75	1.200	0.38	0.06	0.07	0.000	0.000	23.829	1.74	0.57
20.00	Step bolts (ladder)	Yes	1.75	1.200	0.63	0.09	0.11	0.000	0.000	23.829	2.89	2.18
20.00	1" Reinforcing plate	Yes	1.75	2.000	1.00	0.15	0.29	0.000	0.000	23.829	7.65	0.00
22.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	23.829	1.99	0.66
22.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	2.50
24.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	1.99	0.66
24.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	2.50
26.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	1.99	0.66
26.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	2.50
28.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	1.99	0.66
28.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	2.50
30.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	24.074	2.01	0.66
30.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	24.074	3.34	2.50
32.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	24.508	2.05	0.66

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7/27/2023 TIA-222-H Code: CT13069-A Structure: В

Exposure: Site Name: Meriden Crest Height: 0.00 119.00 (ft) Height:

D - Stiff Soil Site Class: Base Elev: 1.000 (ft)

Page: 12 Struct Class: II Topography: 1 Gh: 1.1

SBA

Load Case: 1.2D + 1.0W 119 mph Wind

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



Itera

ations 27	
-----------	--

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	2.00	1.200	0.63	0.10	0.13	0.000	0.000	24.508	3.40	2.50
32.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	24.923	2.08	0.66
34.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	24.923	3.45	2.50
34.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	25.322	2.12	0.66
36.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	25.322	3.51	2.50
36.00	Step bolts (ladder)		2.00	1.200	0.38	0.06	80.0	0.000	0.000	25.706	2.15	0.66
38.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	25.706	3.56	2.50
38.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	26.076	2.18	0.66
40.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	26.076	3.61	2.50
40.00	Step bolts (ladder)	Yes		1.200	0.38	0.06	0.08	0.000	0.000	26.433	2.21	0.66
42.00	Safety Cable	Yes	2.00 2.00	1.200	0.63	0.10	0.13	0.000	0.000	26.433	3.66	2.50
42.00	Step bolts (ladder)	Yes		1,200	0.38	0.06	80.0	0.000	0.000	26.778	2.24	0.66
44.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	26.778	3.71	2.50
44.00	Step bolts (ladder)	Yes	2.00		0.38	0.06	0.08	0.000	0.000	27.113	2.27	0.66
46.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	27.113	3.76	2.50
46.00	Step bolts (ladder)	Yes	2.00	1.200		0.16	0.13	0.000	0.000	27.438	2.29	0.66
48.00	Safety Cable	Yes	2.00	1.200	0.38 0.63	0.00	0.00	0.000	0.000	27.438	3.80	2.50
48.00	Step bolts (ladder)	Yes	2.00	1.200		0.10	0.13	0.000	0.000	27.557	0.86	0.25
48.75	Safety Cable	Yes	0.75	1.200	0.38		0.05	0.000	0.000	27.557	1.43	0.94
48.75	Step bolts (ladder)	Yes	0.75	1.200	0.63	0.04	0.05	0.000	0.000	27.753	1.45	0.41
50.00	Safety Cable	Yes	1.25	1.200	0.38	0.04	0.08	0.000	0.000	27.753	2.40	1.56
50.00	Step bolts (ladder)	Yes	1.25	1.200	0.63	0.07		0.000	0.000	28.060	2.35	0.66
52.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08		0.000	28.060	3.89	2.50
52.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	28.248	1.48	0.41
53.25	Safety Cable	Yes	1.25	1.200	0.38	0.04	0.05	0.000		28.248	2.45	1.56
53.25	Step bolts (ladder)	Yes	1.25	1.200	0.63	0.07	0.08	0.000	0.000 0.000	28.359	0.89	0.25
54.00	Safety Cable	Yes	0.75	1.200	0.38	0.02	0.03	0.000		28.359	1.47	0.94
54.00	Step bolts (ladder)	Yes	0.75	1.200	0.63	0.04	0.05	0.000	0.000	28.650	2.40	0.66
56.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000		3.97	2.50
56.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	28.650	2.42	0.66
58.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	28.933	4.01	2.50
58.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	28.933		0.66
60.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	29.210	2.44	2.50
60.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	29.210	4.05	0.66
62.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	29.481	2.46	2.50
62.00		Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	29.481	4.09	_
64.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	29.745	2.49	0.66
64.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	29.745	4.12	2.50
66.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	30.004	2.51	0.66
66.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	30.004	4.16	2.50
	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	30.257	2.53	0.66
68.00		Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	30.257	4.19	2.50
	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	30.505	2.55	0.66
		Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	30.505	4.23	2.50
70.00		Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	30.748	2.57	0.66
	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	30.748	4.26	2.50
	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	30.986	2.59	0.66
74.00			2.00	1.200		0.10	0.13	0.000	0.000	30.986	4.29	2.50
74.00	Step bolts (ladder)	Yes	2.00	1.200	0.50			riable see	- 4			

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Structure: CT13069-A

Code: TIA-222-H 7/27/2023

Site Name: Meriden

Exposure:

Height:

119.00 (ft)

Crest Height: 0.00

D - Stiff Soil

SBA

Base Elev: 1.000 (ft) Gh: 1.1

Topography: 1

Struct Class: ||

Site Class:

Page: 13

Load Case: 1.2D + 1.0W 119 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00



Iterations

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
76.00	,	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	31.220	2.61	0.66
76.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	31.220	4.33	2.50
78.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	31.450	2.63	0.66
78.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	31.450	4.36	2.50
80.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	31.675	2.65	0.66
80.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	31.675	4.39	2.50
82.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	31.897	2.67	0.66
82.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	31.897	4.42	2.50
84.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	32.115	2.68	0.66
84.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	32.115	4.45	2.50
86.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	32.329	2.70	0.66
86.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	32.329	4.48	2.50
88.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	32.539	2.72	0.66
88.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	32.539	4.51	2.50
90.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	32.747	2.74	0.66
90.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	32.747	4.54	2.50
92.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	32.951	2.75	0.66
92.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	32.951	4.57	
94.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	33.152	2.77	2.50 0.66
94.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	33.152	4.59	
96.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	33.349		2.50
96.00	Step boits (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	33.349	2.79	0.66
98.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	33.544	4.62	2.50
98.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	33.544 33.544	2.80	0.66
98.75	Safety Cable	Yes	0.75	1.200	0.38	0.02	0.13	0.000	0.000	33.617	4.65	2.50
98.75	Step bolts (ladder)	Yes	0.75	1.200	0.63	0.04	0.05	0.000	0.000	33.617	1.05	0.25
100.00	Safety Cable	Yes	1.25	1.200	0.38	0.04	0.05	0.000	0.000	33.737	1.75	0.94
100.00	Step bolts (ladder)	Yes	1.25	1.200	0.63	0.07	0.03	0.000	0.000	33.737	1.76	0.41
102.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	33.926	2.92	1.56
102.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.08	0.000			2.84	0.66
102.25	Safety Cable	Yes	0.25	1.200	0.38	0.10	0.13	0.000	0.000	33.926	4.70	2.50
102.25	Step bolts (ladder)	Yes	0.25	1.200	0.63	0.01	0.01	0.000	0.000	33.950	0.35	0.08
104.00	Safety Cable	Yes	1.75	1.200	0.38	0.06	0.02	0.000		33.950	0.59	0.31
104.00	Step bolts (ladder)	Yes	1.75	1.200	0.63	0.09	0.07		0.000	34.113	2.50	0.57
106.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.11	0.000	0.000	34,113	4.14	2.18
106.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.00	0.08	0.000	0.000	34.298	2.87	0.66
	Safety Cable	Yes	2.00	1.200	0.38	0.16	0.13	0.000	0.000	34.298	4.75	2.50
108.00	Step bolts (ladder)	Yes	2.00	1.200	0.63			0.000	0.000	34.480	2.88	0.66
110.00	Safety Cable	Yes	2.00	1.200	0.38	0.10 0.06	0.13	0.000	0.000	34.480	4.78	2.50
110.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.00	0.08	0.000	0.000	34.659	2.90	0.66
	Safety Cable	Yes	2.00	1.200	0.88		0.13	0.000	0.000	34.659	4.80	2.50
	Step bolts (ladder)	Yes	2.00	1.200	0.56	0.06 0.10	0.08	0.000	0.000	34.836	2.91	0.66
	Safety Cable	Yes	2.00	1.200	0.88		0.13	0.000	0.000	34.836	4.83	2.50
	Step bolts (ladder)	Yes	2.00	1.200		0.06	0.08	0.000	0.000	35.011	2.93	0.66
	Safety Cable	Yes	2.00	1.200	0.63 0.38	0.10	0.13	0.000	0.000	35.011	4.85	2.50
	Step bolts (ladder)	Yes	2.00	1.200		0.06	0.08	0.000	0.000	35.184	2.94	0.66
	Safety Cable	Yes	2.00		0.63	0.10	0.13	0.000	0.000	35.184	4.88	2.50
	,		2.00	1.200	0.38	0.06	0.08	0.000	0.000	35.355	2.96	0.66

(Factored) Linear Appurtenance Segment Forces

CT13069-A Structure:

Code:

Exposed

Width

(in)

0.63

TIA-222-H

7/27/2023

Site Name: Meriden

Exposure:

Height:

119.00 (ft)

Crest Height: 0.00

Area

(sqft)

0.10

SBA

27

2.50

Base Elev: 1.000 (ft) Gh:

Тор

Elev

(ft)

1.1

Ca

1.200

Struct Class: ||

D - Stiff Soil Site Class:

В

CaAa

(sqft)

0.13

Ra

0.000

0.000

Page: 14

35.355

Load Case: 1.2D + 1.0W 119 mph Wind

Dead Load Factor

1.20

Topography: 1

Length

(ft)

2.00

Wind Load Factor

Description

118.00 Step bolts (ladder)

1.00

Wind

Exposed

Yes

Iterations

B				┙
Cf			Dead	
Adjust	qz	FΧ	Load	
Factor	(psf)	(lb)	(lb)	

185.9 467.1 Totals:

4.90

Structure: CT13069-A

Site Name: Meriden

Height: 119.00 (ft)

Base Elev: 1.000 (ft)

Gh: 1.1

Pu

Vu

Seg

48.75

50.00

52.00

53,25

54.00

56.00

58.00

60.00

62.00

64.00

66.00

68.00

70.00

72.00

74.00

76.00

78.00

80.00

82.00

84.00

-22.07

-21.72

-21.17

-20.84

-20.71

-20.39

-20.08

-19.76

-19.46

-19.15

-18.85

-18.55

-18.26

-17.96

-17.67

-17.39

-17.11

-16.83

-16.55

-16.28 -15.37

-17.33

-17.27

-17.16

-17.08

-17.06

-16.96

-16.85

-16.75

-16.64

-16.53

-16.42

-16.31

-16.20

-16.08

-15.97

-15.85

-15.73

-15.61

-15.49

-875.39

-853.73

-819.19

-797.74

-784.93

-750.81

-716.90

-683.19

-649.70

-616.42

-583.35

-550.51

-517.89

-485.49

-453.32

-421.39

-389.69

-358.23

-327.00

-296.02

-0.02

-0.02

-0.02

-0.02

-0.02

-0.02

-0.02

-0.02

-0.02

-0.03

-0.03

-0.03

-0.03

-0.03

-0.03

-0.03

-0.03

-0.04

-0.04

-0.04

875.39

853.73

819.19

797.74

784.93

750.81

716.90

683.19

649.70

616.42

583.35

550.51

517.89

485.49

453.32

421.39

389.69

358.23

327.00

296.02

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

-0.75

Topography: 1

Code:

TIA-222-H

phi

phi

Total

Exposure: В

Crest Height: 0.00

D - Stiff Soil Site Class:

phi

phi

Struct Class: ||

Page: 15

7/27/2023

Rotation Rotation

-2.597

-2.668

-2.780

-2.849

-2.890

-2.994

-3.096

-3.196

-3.294

-3.390

-3.484

-3.575

-3.663

-3.749

-3.831

-3.910

-3.986

-4.058

-4.126

-4.190

12.40

13.09

14.23

14.97

15.42

16.65

17.93

19.25

20.61

22.01

23.45

24.93

26.44

27.99

29.58

31.20

32.86

34.54

36.26

38.00

-0.002

-0.002

-0.002

-0.002

-0.002

-0.002

-0.002

-0.002

-0.002

-0.003

-0.003

-0.003

-0.003

-0.003

-0.003

-0.003

-0.003

-0.004

-0.004

-0.004

0.668

0.658

0.641

0.616

0.609

0.592

0.574

0.556

0.538

0.519

0.499

0.479

0.459

0.438

0.416

0.394

0.372

0.348

0.325

0.300

Iterations 27

SBA

Load Case: 1.2D + 1.0W 119 mph Wind

Dead Load Factor Wind Load Factor 1.00

Tu

Mu

Mu

Resultant

Seg	Fu	vu.	IU	MILL	Mu	Resultant	phi	phi	phi	phi	Total	Rotation	Rotation	
Elev	FY (-)	FX (-)	MY (-)	MZ	MX	Moment	Pn	٧n	Tn	Mn	Deflect		Twist	Stress
(ft)	(kips)	(kips)		(ft-kips)	(ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
0.00	-30.70	-19.30	-0.75	-1769.7	-0.01	1769.71	2063.18	598.93	2137.28	1829.55	0.00	0.000	0.000	0.826
1.00	-30.51	-19.26	-0.75	-1750.4	-0.01	1750.41	2059.52	596.68	2121.21	1819.38	0.01	-0.053	0.000	0.684
2.00	-30.32	-19.23	-0.75	-1731.1	-0.01	1731.15	2055.83	594.42	2105.21	1809.22	0.02	-0.097	0.000	0.679
4.00	-29.94	-19.14	-0.75	-1692.7	-0.01	1692.70	2048.36	589.91	2073.38	1788.88	0.08	-0.184	0.000	0.670
6.00	-29.57	-19.05	-0.75	-1654.4	-0.01	1654.42	2040.76	585.40	2041.79	1768.54	0.18	-0.271	0.000	0.661
8.00	-29.20	-18.96	-0.75	-1616.3	-0.01	1616.33	2033.04	580.89	2010.44	1748.19	0.31	-0.358	0.000	0.651
10.00	-28.84	-18.87	-0.75	-1578.4	-0.01	1578.41	2025.20	576.38	1979.33	1727.84	0.48	-0.444	0.000	0.642
12.00	-28.47	-18.78	-0.75	-1540.6	-0.01	1540.67	2017.23	571.87	1948.47	1707.49	0.68	-0.531	0.000	0.633
14.00	-28.11	-18.69	-0.75	-1503.1	-0.01	1503.11	2009.13	567.35	1917.85	1687.14	0.92	-0.617	0.000	0.623
16.00	-27.75	-18.60	-0.75	-1465.7	-0.01	1465.73	2000.92	562.84	1887.48	1666.80	1.20	-0.702	0.000	0.613
18.00	-27.41	-18.49	-0.75	-1428.5	-0.01	1428.54	1992.57	558.33	1857.34	1646.46	1.51	-0.788	-0.001	0.604
18.25	-27.35	-18.49	-0.75	-1423.9	-0.01	1423.92	1991.52	557.77	1853.59	1643.92	1.56	-0.799	-0.001	0.602
18.25	-27.35	-18.49	-0.75	-1423.9	-0.01	1423.92	1991.52	557.77	1853.59	1643.92	1.56	-0.799	-0.001	0.602
20.00	-27.04	-18.43	-0.75	-1391.5	-0.01	1391.55	1984.11	553.82	1827.45	1626.14	1.86	-0.873	-0.001	0.870
22.00	-26.67	-18.36	-0.75	-1354.7	-0.01	1354.70	1975.52	549.31	1797.80	1605.83	2.26	-0.997	-0.001	0.858
24.00	-26.31	-18.30	-0.75	-1317.9	-0.01	1317.98	1966.80	544.80	1768.39	1585.53	2.70	-1.120	-0.001	0.846
26.00	-25.95	-18.23	-0.75	-1281.3	-0.01	1281.38	1957.96	540.29	1739.23	1565.25	3.20	-1.244	-0.001	0.833
28.00	-25.60	-18.16	-0.75	-1244.9	-0.01	1244.92	1948.99	535.78	1710.31	1544.99	3.74	-1.366	-0.001	0.820
30.00	-25.24	-18.10	-0.75	-1208.5	-0.01	1208.59	1939.91	531.27	1681.63	1524.76	4.34	-1.489	-0.001	0.807
32.00	-24.89	-18.03	-0.75	-1172.4	-0.01	1172.40	1930.69	526.75	1653.19	1504.55	4.99	-1.610	-0.001	0.793
34.00	-24.54	-17.95	-0.75	-1136.3	-0.01	1136.35	1921.36	522.24	1624.99	1484.36	5.69	-1.731	-0.001	0.780
36.00	-24.20	-17.88	-0.75	-1100.4	-0.01	1100.45	1911.89	517.73	1597.04	1464.21	6.45	-1.852	-0.001	0.765
38.00	-23.86	-17.80	-0.75	-1064.7	-0.01	1064.70	1902.31	513.22	1569.33	1444.09	7.25	-1.971	-0.001	0.751
40.00	-23.52	-17.72	-0.75	-1029.1	-0.01	1029.11	1892.60	508.71	1541.86	1424.00	8.10	-2.090	-0.001	0.736
42.00	-23.18	-17.63	-0.75	-993.68	-0.01	993.68	1882.76	504.20	1514.64	1403.96	9.00	-2.208	-0.001	0.736
44.00	-22.85	-17.55	-0.75	-958.41	-0.02	958.41	1872.80	499.69	1487.66	1383.95	9.95	-2.324	-0.001	0.721
46.00	-22.51	-17.46	-0.75	-923.32	-0.02	923.32	1862.72	495.18	1460.92	1363.99	10.95	-2.324 -2.440	-0.002	
48.00	-22.20	-17,36	-0.75	-888.40	-0.02	888.40	1852.51	490.67	1434.42	1344.07	12.00	-2.554	-0.002	0.690 0.674
48 75	-22 07	-17 33	-0.75	975 20	0.00	075.00	1010.01	100.01	. 107.72	1077.07	12.00	-2.004	-0.002	0.074

1848.65

1842.18

1831.72

1841.33

1837.42

1826.91

1816.27

1805.51

1794.62

1783.61

1772.48

1761.22

1749.83

1738.33

1726.69

1714.94

1703.06

1691.05

1678.92

488.97

486.15

481.64

485.79

484.09

479.58

475.07

470.56

466.05

461.54

457.03

452.52

448.01

443.49

438.98

434.47

429.96

425.45

420.94

416.43

1424.55

1408.17

1382.15

1406.04

1396.26

1370.36

1344.70

1319.28

1294.11

1269.18

1244.49

1220.04

1195.84

1171.88

1148.16

1124.68

1101.45

1078.46

1055.71

1033.20

1336.61

1324.20

1304.37

1322.58

1315.14

1295.34

1275.60

1255.91

1236.28

1216.72

1197.22

1177.78

1158.41

1139.12

1119.90

1100.75

1081.68

1062.70

1043.80

1024.99

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

Site Name: Meriden Exposure: B
Height: 119.00 (ft) Crest Height: 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Base	Elev:	1.000 (n)				0110 01000.	_						
Gh:		1.1		Тор	ography:	1	Struct Clas	s: II			Paç	ge: 16		
	15.05	40.07	0.75	-265.29	-0.04	265.29	1654.29	411.92	1010.94	1006.26	39.76	-4.250	-0.004	0.273
86.00	-13.35	-12.87	-0.75		-0.04	239.54	1641,79	407.41	988.92	987.63	41.56	-4.305	-0.004	0.252
88.00	-13.09	-12.74	-0.75	-239.54		214.06		402.89	967.14	969.09	43.37	-4.357	-0.004	0.230
90.00	-12.83	-12.62	-0.75	-214.06	-0.04			398.38	945.60	950.64	45.20	-4,404	-0.005	0.207
92.00	-12.58	-12.49	-0.75	-188.82	-0.05	188.82		393.87	924.31	932.30	47.06	-4.447	-0.005	0.184
94.00	-12.32	-12.36	-0.75	-163.85	-0.05	163.85			903.25	914.06	48.93	-4.485	-0.005	0.159
96.00	-9.44	-9.32	0.00	-139.13	0.01	139.13		389.36		895.92	50.81	-4.518	-0.005	0.141
98.00	-9.21	-9.18	0.00	-120.50	0.01	120.50		384.85	882.45		51.52	-4.530	-0.005	0.134
98.75	-9.12	-9.14	0.00	-113.62	0.01	113.62		383.16	874.71	889.15		-4.549	-0.005	0.123
100.00	-8.90	-9.05	0.00	-102.20	0.01	102.20		380.34	861.88	877.89	52.71		-0.005	0.104
102.00	-8.54	-8.90	0.00	-84.10	0.01	84.10	1550.79	375.83	841.56	859.97	54.62	-4.575		0.104
102.25	-8.49	-8.89	0.00	-81.88	0.01	81.88	1064.30	286.02	649.87	600.31	54.86	-4.578	-0.005	0.143
104.00	-8.33	-8.77	0.00	-66.33	0.01	66.33	1057.83	283.06	636.49	590.45	56.54	-4.596	-0.005	
106.00	-5.04	-5.09	0.00	-48.78	0.00	48.78	1050.33	279.67	621.36	579.20	58.47	-4.618	-0.005	0.089
108.00	-4.88	-4.96	0.00	-38.60	0.00	38.60	1042.70	276.29	606.42	567.99	60.40	-4.635	-0.005	0.073
110.00	-4.73	-4.84	0.00	-28.67	0.00	28.67	1034.95	272.91	591.66	556.81	62.35	-4.649	-0.005	0.056
	-4.73	-4.71	0.00	-19.00	0.00	19.00	1027.07	269.52	577.08	545.68	64.29	-4.659	-0.005	0.040
112.00		-4.71	0.00	-9.58	0.00	9.58	1019.06	266.14	562.68	534.58	66.25	-4.666	-0.005	0.023
114.00	-4.42		0.00	-0.41	0.00	0.41	1010.94	262.76	548.47	523.52	68.20	-4.668	-0.005	0.001
116.00	-0.17	-0.18			0.00	0.06		259.37	534.43	512.52	70.15	-4.668	-0.005	0.000
118.00	-0.06	-0.06	0.00	-0.06		0.00		257.68	527.49	507.03	71.13	-4.668	-0.005	0.000
119.00	0.00	-0.05	0.00	0.00	0.00	0.00	330.01							

Wind Loading - Shaft

Structure: CT13069-A Code: TIA-222-H 7/27/2023

Site Name: Meriden Exposure: В Height: 119.00 (ft) Crest Height: 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: || Page: 17



Iterations

SBA

27

Load Case: 0.9D + 1.0W 119 mph Wind

Dead Load Factor 0.90 Wind Load Factor 1.00

														T-4
								Ice				Wind	Dead	Tot Dead
Elev				qz	qzGh	С		Thick	Tributary	Aa	CfAa		Load Ice	Load
(ft)	Description	Kzt	Kz	(psf)	(psf)	(mph-ft)	Cf	(in)	(ft)	(sf)	(sf)	(lb)	(lb)	(lb)
0.00	RB1	1.00	0.70	23.829	26.21	362.35	0.630	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00 F	RT1 RB2	1.00		23.829	26.21	360.99	0.630	0.000	1.00	3.654	2.30	60.3	0.0	0.0 104.3
2.00		1.00		23.829	26.21	359.63		0.000	1.00	3.640	2.29	60.1	0.0	
4.00		1.00		23.829	26.21	356.92		0.000	2.00	7.239	4.56	119.5	0.0	103.9
6.00		1.00		23.829	26.21	354.21	0.630	0.000	2.00	7.184	4.53	118.6	0.0	206.7
8.00		1.00		23.829	26.21	351.49	0.630	0.000	2.00	7.129	4.49	117.7	0.0	205.1
10.00		1.00		23.829	26.21	348.78	0.630	0.000	2.00	7.075	4.46	116.8	0.0	203.5
12.00		1.00	0.70	23.829	26.21	346.07	0.630	0.000	2.00	7.020	4.42	115.9	0.0	201.9
14.00		1.00		23.829	26.21	343.35	0.630	0.000	2.00	6.965	4.39	115.9	0.0	200.4
16.00		1.00		23.829	26.21	340.64	0.630	0.000	2.00	6.910	4.35		0.0	198.8
18.00		1.00		23.829	26.21	337.93	0.630	0.000	2.00	6.855	4.32	114.1 113.2	0.0	197.2
18.25 F	RT2	1.00		23.829	26.21	337.59	0.630	0.000	0.25	0.853	0.54		0.0	195.6
20.00		1.00		23.829	26.21	335.21	0.630	0.000	1.75	5.947	3.75	14.1 98.2	0.0	24.3
22.00		1.00		23.829	26.21	332.50	0.630	0.000	2.00	6.746	4.25	90.2 111.4	0.0	169.7
24.00		1.00		23.829	26.21	329.79	0.630	0.000	2.00	6.691	4.23	110.5	0.0	192.5
26.00		1.00		23.829	26.21	327.07	0.630	0.000	2.00	6.636	4.22	10.5	0.0	190.9
28.00		1.00		23.829	26.21	324.36	0.630	0.000	2.00	6.581	4.15		0.0	189.3
30.00		1.00		24.074	26.48	323.29	0.630	0.000	2.00	6.526		108.7	0.0	187.8
32.00		1.00		24.508	26.96	323.44	0.630	0.000	2.00	6.471	4.11	108.9	0.0	186.2
34.00		1.00		24.923	27.42	323.40	0.630	0.000	2.00		4.08	109.9	0.0	184.6
36.00		1.00		25.322	27.85	323.18	0.630	0.000	2.00	6.417 6.362	4.04	110.8	0.0	183.1
38.00		1.00		25.706	28.28	322.80	0.630	0.000	2.00	6.307	4.01	111.6	0.0	181.5
40.00		1.00		26.076	28.68	322.27	0.630	0.000	2.00	6.252	3.97 3.94	112.4	0.0	179.9
42.00		1.00		26.433	29.08	321.62	0.630	0.000	2.00	6.197	3.90	113.0	0.0	178.3
44.00		1.00		26.778	29.46	320.84	0.630	0.000	2.00	6.142	3.87	113.5	0.0	176.8
46.00		1.00		27.113	29.82	319.94	0.630	0.000	2.00	6.088	3.84	114.0	0.0	175.2
48.00		1.00		27.438	30.18	318.94	0.630	0.000	2.00	6.033	3.80	114.4	0.0	173.6
48.75 Bo	ot - Section 2	1.00		27.557	30.31	318.54	0.630	0.000	0.75	2.248		114.7 42.9	0.0	172.0
50.00		1.00		27.753	30.53	317.84	0.630	0.000	1.25	3.783	1.42 2.38	72.8	0.0	64.1
52.00		1.00		28.060	30.87	316.65	0.630	0.000	2.00	6.008			0.0	214.2
53.25 To	op - Section 1	1.00		28.248	31.07	315.86	0.630	0.000	1.25	3.727	3.78	116.8	0.0	340.2
54.00		1.00		28.359	31.19	319.94	0.630	0.000	0.75	2.226	2.35	73.0	0.0	211.0
56.00		1.00		28.650	31.51	318.60	0.630	0.000	2.00	5.898	1.40 3.72	43.7	0.0	63.5
58.00		1.00		28.933	31.83	317.18	0.630	0.000	2.00	5.843		117.1	0.0	168.2
60.00		1.00		29.210	32.13	315.69	0.630	0.000	2.00	5.789	3.68 3.65	117.2	0.0	166.6
62.00		1.00		29.481	32.43	314.13	0.630	0.000	2.00	5.734		117.2	0.0	165.0
64.00		1.00		29.745	32.72	312.50	0.630	0.000	2.00	5.679	3.61	117.1	0.0	163.4
66.00		1.00		30.004	33.00	310.82	0.630	0.000	2.00	5.624	3.58	117.1	0.0	161.9
68.00		1.00		30.257	33.28	309.07	0.630	0.000	2.00	5.569	3.54	116.9	0.0	160.3
70.00		1.00		30.505	33.56	307.26		0.000			3.51	116.8	0.0	158.7
72.00		1.00		30.748	33.82	305.40		0.000	2.00	5.514	3.47	116.6	0.0	157.1
74.00		1.00		30.986	34.09	303.49				5.460	3.44	116.3	0.0	155.6
76.00		1.00		31.220	34.34	303.49		0.000 0.000	2.00	5.405	3.40	116.1	0.0	154.0
78.00		1.00		31.450	34.59	299.51		0.000		5.350	3.37	115.7	0.0	152.4
80.00		1.00		31.675	34.84	297.46				5.295	3.34	115.4	0.0	150.8
82.00		1.00		31.897	35.09	295.36		0.000		5.240	3.30	115.0	0.0	149.3
84.00		1.00		32.115		293.21		0.000		5.185	3.27	114.6	0.0	147.7
			2.07	- I	00.00	200.21	0.000	0.000	2.00	5.137	3.23	114.2	0.0	146.1

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Wind Loading - Shaft

SBA

10,045.1

6,734.6

119.00

Totals:

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

Site Name:MeridenExposure:BHeight:119.00 (ft)Crest Height:0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Page: 18 Struct Class: Topography: Gh: 1.1 144.5 0.0 0.630 0.000 2.00 5.076 3.20 113.7 291.03 0.95 32.329 35.56 1.00 86.00 Appurtenance(s) 143.0 0.0 0.630 0.000 2.00 5.021 3.16 113.2 288.80 0.96 32.539 35.79 1.00 88.00 0.0 141.4 112.7 3.13 286.54 0.630 0.000 2.00 4.966 36.02 0.96 32.747 1.00 90.00 0.0 139.8 4.911 3.09 112.1 0.630 0.000 2.00 36.25 284.24 1.00 0.97 32.951 92.00 138.2 111.6 0.0 4.857 3.06 2.00 281.91 0.630 0.000 0.97 33.152 36.47 1.00 94.00 136.7 3.03 111.0 0.0 2.00 4.802 0.000 0.98 33.349 279.54 0.630 36.68 1.00 96.00 Appurtenance(s) 135.1 4.747 2.99 110.3 0.0 0.000 2.00 0.630 0.99 33.544 36.90 277.13 1.00 98.00 50.3 0.0 0.630 0.000 0.75 1.766 1.11 41.1 276.22 0.99 33.617 36.98 1.00 98.75 Bot - Section 3 146.7 0.0 69.3 274.70 0.630 0.000 1.25 2.966 1.87 0.99 33.737 37.11 1.00 100.00 0.0 232.5 4.701 110.5 2.96 272.23 0.630 0.000 2.00 1.00 33.926 37.32 1.00 102.00 0.0 28.9 0.25 0.584 0.37 13.7 0.630 0.000 271.92 1.00 33.950 37.34 1.00 102.25 Top - Section 2 86.9 96.0 0.0 4.062 2.56 1.75 273.49 0.630 0.000 1.00 34.113 37 52 1.00 104.00 98.2 109.1 0.0 4.591 2.89 2.00 270.97 0.630 0.000 1.01 34.298 37.73 106.00 Appurtenance(s) 1.00 97.0 4.536 2.86 108.4 0.0 2.00 268.43 0.630 0.000 1.01 34.480 37.93 1.00 108.00 95.8 0.0 0.630 0.000 2.00 4.481 2.82 107.6 265.85 38.13 1.02 34.659 1.00 110.00 0.0 94.7 263.25 0.630 0.000 2.00 4.427 2.79 106.9 1.02 34.836 38.32 1.00 112.00 0.0 93.5 106.1 2.75 260.62 0.630 0.000 2.00 4.372 1.03 35.011 38.51 1.00 114.00 0.0 92.3 2.72 105.3 4.317 0.630 0.000 2.00 257.97 1.03 35.184 38.70 1.00 116.00 Appurtenance(s) 0.0 91.1 104.4 2.00 4.262 2.69 255.29 0.630 0.000 1.04 35.355 38 89 1.00 118.00 45.1 51.8 0.0 1.00 1.33 2.110 253.94 0.630 0.000 38.98 1.04 35.440 1.00 119.00

Discrete Appurtenance Forces

Structure: CT13069-A

Site Name: Meriden

119.00 (ft)

Base Elev: 1.000 (ft)

Gh: 1.1

Height:

Code:

TIA-222-H

Exposure: В Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: II

7/27/2023



Load Case: 0.9D + 1.0W 119 mph Wind

Topography: 1

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



Page: 19

Iterations

27

	Elev		qz	qzGh	Orient Factor		Total CaAa	Dead Load	Horiz Ecc	Vert Ecc	Wind FX	Mom Y	Mom Z
No.		Qty	(psf)	(psf)	x Ka	Ka	(sf)	(lb)	(ft)	(ft)	(lb)	(lb-ft)	(lb-ft)
1	116.00 Sitepro RMQP-4096-HK	1	35.184	38.703	1.00	1.00	34.54	1750.50	0.000	0.000	1336.79	0.00	0.00
2	116.00 AIR6449 B41	3	35.184	38,703	0.53	0.75	9.03	278.10	0.000	0.000	349.33	0.00	0.00
3	116.00 Air 32	3	35.184	38.703	0.65	0.75	12.74	356.40	0.000	0.000	493.20	0.00	0.00
4	116.00 APXVAALL18-43-U-NA	20 3	35.184	38.703	0.55	0.75	25.03	250.02	0.000	0.000	968.80	0.00	0.00
5	116.00 Exposed Mount Pipes	12	35.184	38.703	0.75	0.75	15.12	324.00	0.000	0.000	585.19	0.00	0.00
6	116.00 KRY 112 144/1	3	35.184	38.703	0.50	0.75	0.62	29.70	0.000	0.000	23.92	0.00	0.00
7	116.00 SDX1926Q-43 Diplexer	3	35.184	38.703	0.50	0.75	0.44	16.20	0.000	0.000	16.92	0.00	0.00
8	116.00 Radio 4449 B71+B85	3	35.184	38.703	0.38	0.75	2.22	199.80	0.000	0.000	85.78	0.00	0.00
9	116.00 Ericsson 4415 B25 RRU	3	35.184	38.703	0.38	0.75	1.84	124.20	0.000	0.000	71.41	0.00	0.00
10	106.00 Samsung RFS	2	34.298	37.727	0.53	0.75	5.11	34.02	0.000	0.000	192.86	0.00	0.00
11	106.00 Samsung RFV01UA-D2	А 3	34.298	37.727	0.38	0.75	2.11	228.15	0.000	0.000	79.79	0.00	0.00
12	106.00 Samsung RFV01U-D1A	3	34.298	37.727	0.38	0.75	2.11	189.81	0.000	0.000	79.79	0.00	0.00
13	106.00 Commscope	3	34.298	37.727	0.38	0.75	0.62	28.08	0.000	0.000	23.34	0.00	0.00
14	106.00 Andrew JAHH-65B-R3B	6	34.298	37.727	0.38	0.75	20.50	341.82	0.000	0.000	773.32	0.00	0.00
15	106.00 Samsung VZS01	3	34.298	37.727	0.52	0.75	7.40	235.17	0.000	0.000	279.28	0.00	0.00
16	106.00 Kaelus KA-6030	2	34.298	37.727	0.49	0.75	0.94	31.68	0.000	0.000	35.31	0.00	0.00
17	106.00 PV-LPP12M-B w/ Mods	1	34.298	37.727	1.00	1.00	48.40	1453.50	0.000	0.000	1826.00	0.00	0.00
18	96.00 1900 MHz	3	33.349	36.684	0.40	0.80	3.25	162.00	0.000	0.000	119.30	0.00	0.00
19	96.00 UDS-NPL (3 Sectors)	3	33.349	36.684	0.56	0.75	19.07	945.00	0.000	0.000	699.53	0.00	0.00
20	96.00 NNVV-65B-R4	_3	33.349	36.684	0.59	0.80	21.79	208.98	0.000	0.000	799.41	0.00	0.00
21	96.00 AAHC	3	33.349	36.684	0.60	0.80	7.56	280.80	0.000	0.000	277.33	0.00	0.00
22	96.00 800 MHz RRU	6	33.349	36.684	0.40	0.80	5.98	286.20	0.000	0.000	219.23	0.00	0.00
23	96.00 TD-RRH8x20-25	3	33.349	36.684	0.40	0.80	4.86	189.00	0.000	0.000	178.29	0.00	0.00
24	96.00 VHLP2-18	2	33.349	36.684	1.00	1.00	9.38	55.80	2.194	0.000		754.81	0.00
25	96.00 VHLP1-23	1	33.349	36.684	1.00	1.00	1.61	12.78	0.000	0.000	59.06	0.00	0.00
26	86.00 MC-PK8-DSH	1	32.329	35.562	1.00	1.00	34.23	1554.30	0.000	0.000	1217.27	0.00	0.00
27	86.00 Raycap	1	32.329	35.562	0.75	0.75	1.51	19.71	0.000	0.000	53.61	0.00	0.00
28	86.00 Fujitsu TA08025-B604	3	32.329	35.562	0.38	0.75	2.21	172.53	0.000	0.000	78.41	0.00	0.00
29	86.00 Fujitsu TA08025-B605	3	32.329	35.562	0.38	0.75	2.21	202.50	0.000	0.000	78,41	0.00	0.00
_30	86.00 MX08FRO665-21	3	32.329	35.562	0.55	0.75	20.80	174.15	0.000	0.000	739.53	0.00	0.00
												0.00	0.00

Totals:

10,134.90

12,084.51

Total Applied Force Summary

CT13069-A Structure:

Code: TIA-222-H 7/27/2023

Site Name: Meriden Height:

Exposure: В

Struct Class: II

119.00 (ft)

Crest Height: 0.00

SBA

Base Elev: 1.000 (ft) Gh: 1.1

Topography: 1

D - Stiff Soil Site Class:

Page: 20

Load Case: 0.9D + 1.0W 119 mph Wind

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



Iterations	27
<u> </u>	
	Iterations

		Lateral	Axial	Torsion	Moment
Elev	Baradadaa	FX (-)	FY (-) (lb)	MY (lb-ft)	MZ (lb-ft)
(ft)	Description	(lb)			0.00
0.00		0.00	0.00	0.00	0.00
1.00		67.35	130.43	0.00	0.00
2.00		67.13	130.03	0.00	0.00
4.00		133.57	258.88	0.00	0.00
6.00		132.67	257.31	0.00	0.00
8.00		131.76	255.73	0.00	
10.00		130.86	254.16	0.00	0.00
12.00		129.95	252.59	0.00	0.00
14.00		129.05	251.01	0.00	0.00
16.00		128.14	249.44	0.00	0.00
18.00		127.24	247.86	0.00	0.00
18.25		15.84	30.87	0.00	0.00
20.00		110.49	215.42	0.00	0.00
22.00		116.69	244.71	0.00	0.00
24.00		115.78	243.14	0.00	0.00
26.00		114.88	241.57	0.00	0.00
28.00		113.97	239.99	0.00	0.00
30.00		114.23	238.42	0.00	0.00
		115.36	236.84	0.00	0.00
32.00		116.36	235.27	0.00	0.00
34.00		117.26	233.69	0.00	0.00
36.00		118.06	232.12	0.00	0.00
38.00		118.77	230.54	0.00	0.00
40.00			228.97	0.00	0.00
42.00		119.40	227.40	0.00	0.00
44.00		119.94		0.00	0.00
46.00		120.41	225.82	0.00	0.00
48.00		120.81	224.25	0.00	0.00
48.75		45.23	83.69		0.00
50.00		76.61	246.86	0.00	0.00
52.00		123.06	392.41	0.00	
53.25		76.88	243.66	0.00	0.00
54.00		46.11	83.05	0.00	0.00
56.00		123.47	220.38	0.00	0.00
58.00		123.59	218.80	0.00	0.00
60.00		123.67	217.23	0.00	0.00
62.00		123.69	215.66	0.00	0.00
64.00		123.67	214.08	0.00	0.00
66.00		123.61	212.51	0.00	0.00
68.00		123.50	210.93	0.00	0.00
70.00		123.35	209.36	0.00	0.00
72.00		123.17	207.78	0.00	0.00
74.00		122.94	206.21	0.00	0.00
76.00		122.69	204.64	0.00	0.00
		122.39	203.06	0.00	0.00
78.00		122.07	201.49	0.00	0.00
80.00		121.71	199.91	0.00	0.00
82.00		121.32	198.34	0.00	0.00
84.00		121.32	150.04	0.00	- Calutiana II.C

Total Applied Force Summary

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

 Site Name:
 Meriden
 Exposure:
 B

 Height:
 119.00 (ft)
 Crest Height:
 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: II Page: 21



86.00	(11) attachments	2288.14	2319.95	0.00	0.00
88.00		120.45	194.90	0.00	0.00
90.00		119.98	193.33	0.00	0.00
92.00		119.47	191.75	0.00	0.00
94.00		118.94	190.18	0.00	0.00
96.00	(24) attachments	2814.62	2329.16	754.81	0.00
98.00		117.80	177.32	0.00	0.00
98.75		43.94	66.09	0.00	0.00
100.00		74.02	173.10	0.00	0.00
102.00		118.06	274.73	0.00	0.00
102.25		14.68	34.15	0.00	0.00
104.00		102.66	123.83	0.00	0.00
106.00	(23) attachments	3406.44	2682.64	0.00	0.00
108.00		116.05	124.04	0.00	0.00
110.00		115.34	122.86	0.00	0.00
112.00		114.60	121.68	0.00	0.00
114.00		113.85	120.50	0.00	0.00
116.00	(34) attachments	4044.41	3448.24	0.00	0.00
118.00		112.28	93.48	0.00	0.00
119.00		51.83	45.11	0.00	0.00
	Totals:	19,286.26	23,033.52	754.81	0.00

CT13069-A Structure:

Code:

TIA-222-H

7/27/2023

Site Name: Meriden

Exposure:

В

Crest Height: 0.00

Height: Base Elev: 1.000 (ft)

119.00 (ft)

Site Class:

D - Stiff Soil

Page: 22

Gh:

1.1

Topography: 1

Struct Class: ||

Iterations

SBA

27

Load Case: 0.9D + 1.0W 119 mph Wind

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

Top Elev	December	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
(ft)	Description					0.03	0.04	0.000	0.000	23.829	1.00	0.25
1.00	Safety Cable	Yes	1.00	1.200	0.38 0.63	0.05	0.04	0.000	0.000	23.829	1.65	0.94
1.00	Step bolts (ladder)	Yes	1.00	1.200	1.00	0.08	0.17	0.000	0.000	23.829	4.37	0.00
1.00	1" Reinforcing plate	Yes	1.00	2.000	0.38	0.03	0.04	0.000	0.000	23.829	1.00	0.25
2.00	Safety Cable	Yes	1.00	1.200	0.56	0.05	0.04	0.000	0.000	23.829	1.65	0.94
2.00	Step bolts (ladder)	Yes	1.00	1.200		0.03	0.17	0.000	0.000	23.829	4.37	0.00
2.00	1" Reinforcing plate	Yes	1.00	2.000	1.00 0.38	0.06	0.08	0.000	0.000	23.829	1.99	0.49
4.00	Safety Cable	Yes	2.00	1.200		0.00	0.13	0.000	0.000	23.829	3.30	1.87
4.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	8.74	0.00
4.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.08	0.000	0.000	23.829	1.99	0.49
6.00	Safety Cable	Yes	2.00	1.200	0.38		0.00	0.000	0.000	23.829	3.30	1.87
6.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	8.74	0.00
6.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.08	0.000	0.000	23.829	1.99	0.49
8.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	3.30	1.87
8.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	8.74	0.00
8.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	1.99	0.49
10.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	_	0.000	0.000	23.829	3.30	1.87
10.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13		0.000	23.829	8.74	0.00
10.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	1.99	0.49
12.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	3.30	1.87
12.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	8.74	0.00
12.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	1.99	0.49
14.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000		23.829	3.30	1.87
14.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	8.74	0.00
14.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	1.99	0.49
16.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	3.30	1.87
16.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	8.74	0.00
16.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	1.99	0.49
18.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000		3.30	1.87
18.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	8.74	0.00
18.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	23.829	0.25	0.06
18.25	Safety Cable	Yes	0.25	1.200	0.38	0.01	0.01	0.000	0.000	23.829	0.23	0.00
18.25		Yes	0.25	1.200	0.63	0.01	0.02	0.000	0.000	23.829		0.00
18.25	1" Reinforcing plate	Yes	0.25	2.000	1.00	0.02	0.04	0.000	0.000	23.829	1.09 1.74	0.43
20.00	Safety Cable	Yes	1.75	1.200	0.38	0.06	0.07	0.000	0.000	23.829		1.64
20.00		Yes	1.75	1.200	0.63	0.09	0.11	0.000	0.000	23.829	2.89	0.00
20.00	1" Reinforcing plate	Yes	1.75	2.000	1.00	0.15	0.29	0.000	0.000	23.829	7.65	0.49
22.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	23.829	1.99	1.87
22.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	0.49
24.00		Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	23.829	1.99	
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	1.87
	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	23.829	1.99	0.49
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	1.87
	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	23.829	1.99	0.49
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	23.829	3.30	1.87
	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	24.074	2.01	0.49
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	24.074	3.34	1.87
	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	24.508	2.05	0.49

Structure: CT13069-A

Code:

TIA-222-H

7/27/2023

Site Name: Meriden

Exposure: В

Height:

119.00 (ft)

Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class: D - Stiff Soil SBA

Gh: 1.1

Topography: 1

Struct Class: ||

Page: 23

Iterations 27

Load Case: 0.9D + 1.0W 119 mph Wind

Dead Load Factor

0.90

Wind Load Factor

1.00

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (Ib)
32.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	24.508	3,40	1.87
34.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	24.923	2.08	0.49
34.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	24.923	3.45	1.87
36.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	25.322	2.12	0.49
36.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	25.322	3.51	1.87
38.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	25.706	2.15	0.49
38.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	25.706	3.56	1.87
40.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	26.076	2.18	0.49
40.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	26.076	3.61	1.87
42.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	26.433	2.21	0.49
42.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	26.433	3.66	1.87
44.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	26.778	2.24	0.49
44.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	26.778	3.71	1.87
46.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	27.113	2.27	0.49
46.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	27.113	3.76	1.87
48.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	27.438	2.29	0.49
48.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	27.438	3.80	1.87
48.75	Safety Cable	Yes	0.75	1.200	0.38	0.02	0.03	0.000	0.000	27.557	0.86	0.18
48.75	Step bolts (ladder)	Yes	0.75	1.200	0.63	0.04	0.05	0.000	0.000	27.557	1.43	0.70
50.00	Safety Cable	Yes	1.25	1.200	0.38	0.04	0.05	0.000	0.000	27.753	1.45	0.31
50.00	Step bolts (ladder)	Yes	1.25	1.200	0.63	0.07	0.08	0.000	0.000	27.753	2.40	1.17
52.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	28.060	2.35	0.49
52.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	28.060	3.89	1.87
53.25	Safety Cable	Yes	1.25	1.200	0.38	0.04	0.05	0.000	0.000	28.248	1.48	0.31
53.25	Step bolts (ladder)	Yes	1.25	1.200	0.63	0.07	80.0	0.000	0.000	28.248	2.45	1.17
54.00	Safety Cable	Yes	0.75	1.200	0.38	0.02	0.03	0.000	0.000	28.359	0.89	0.18
54.00	Step bolts (ladder)	Yes	0.75	1.200	0.63	0.04	0.05	0.000	0.000	28.359	1,47	0.70
56.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	28.650	2.40	0.49
56.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	28.650	3.97	1.87
58.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	28.933	2.42	0.49
58.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	28.933	4.01	1.87
60.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	29.210	2.44	0.49
60.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	29.210	4.05	1.87
62.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	29.481	2.46	0.49
62.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	29.481	4.09	1.87
64.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	29.745	2.49	0.49
64.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	29.745	4.12	1.87
66.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	30.004	2.51	0.49
66.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	30.004	4.16	1.87
68.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	30.257	2.53	0.49
68.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	30.257	4.19	1.87
70.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	30.505	2.55	0.49
70.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	30.505	4.23	1.87
72.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	30.748	2.57	0.49
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	30.748	4.26	1.87
	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	30.986	2.59	0.49
74.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	30.986	4.29	1.87

CT13069-A Structure:

Code:

TIA-222-H

7/27/2023

Site Name: Meriden

Gh:

1.1

Exposure:

В

Crest Height: 0.00 D - Stiff Soil SBA

119.00 (ft) Height: Base Elev: 1.000 (ft)

Topography: 1

Site Class: Struct Class: II

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Load Case: 0.9D + 1.0W 119 mph Wind

Dead Load Factor

0.90

Wind Load Factor

1.00

Iterations

Тор					Exposed				Cf		- >5	Dead
Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Width (in)	Area (sqft)	CaAa (sqft)	Ra	Adjust Factor	qz (psf)	F X (lb)	Load (lb)
76.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	31.220	2.61	0.49
76.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	31.220	4.33	1.87
78.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	31.450	2.63	0.49
	Step bolts (ladder)	Yes	2.00	1,200	0.63	0.10	0.13	0.000	0.000	31.450	4.36	1.87
78.00 80.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	31.675	2.65	0.49
80.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	31.675	4.39	1.87
82.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	31.897	2.67	0.49
82.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	31.897	4.42	1.87
	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	32.115	2.68	0.49
84.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	32.115	4.45	1.87
84.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	32.329	2.70	0.49
86.00		Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	32.329	4.48	1.87
86.00	Step bolts (ladder) Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	32.539	2.72	0.49
88.00	•	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	32.539	4.51	1.87
88.00	Step boits (ladder)	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	32.747	2.74	0.49
90.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	32.747	4.54	1.87
90.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	32.951	2.75	0.49
92.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	32.951	4.57	1.87
92.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	33.152	2.77	0.49
94.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	33.152	459	1.87
94.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	33.349	2.79	0.49
96.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	33.349	4.62	1.87
96.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	33.544	2.80	0.49
98.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	33.544	4.65	1.87
98.00	Step bolts (ladder)		0.75	1.200	0.38	0.02	0.03	0.000	0.000	33.617	1.05	0.18
98.75	Safety Cable	Yes	0.75	1.200	0.63	0.04	0.05	0.000	0.000	33.617	1.75	0.70
98.75	Step bolts (ladder)	Yes	1.25	1.200	0.38	0.04	0.05	0.000	0.000	33.737	1.76	0.31
100.00	Safety Cable	Yes	1.25	1.200	0.63	0.07	0.08	0.000	0.000	33.737	2.92	1.17
100.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	33.926	2.84	0.49
102.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	33.926	4.70	1.87
102.00	Step bolts (ladder)	Yes	0.25	1.200	0.38	0.01	0.01	0.000	0.000	33.950	0.35	0.06
102.25	Safety Cable	Yes	0.25	1.200	0.63	0.01	0.02	0.000	0.000	33.950	0.59	0.23
102.25	Step bolts (ladder)	Yes	1.75	1.200	0.38	0.06	0.07	0.000	0.000	34.113	2.50	0.43
104.00	Safety Cable	Yes	1.75	1.200	0.63	0.09	0.11	0.000	0.000	34.113	4.14	1.64
104.00	Step bolts (ladder)	Yes		1.200	0.38	0.06	0.08	0.000	0.000	34.298	2.87	0.49
106.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	34.298	4.75	1.87
106.00	Step bolts (ladder)	Yes	2.00 2.00	1.200	0.38	0.06	0.08	0.000	0.000	34.480	2.88	0.49
108.00	Safety Cable	Yes		1.200	0.63	0.10	0.13	0.000	0.000	34.480	4.78	1.87
108.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	34.659	2.90	0.49
110.00		Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	34.659	4.80	1.87
110.00		Yes	2.00		0.38	0.06	0.08	0.000	0.000	34.836	2.91	0.49
	Safety Cable	Yes	2.00	1.200		0.10	0.13	0.000	0.000	34.836	4.83	1.87
	Step bolts (ladder)	Yes	2.00	1.200	0.63 0.38	0.16	0.13	0.000	0.000	35.011	2.93	0.49
	Safety Cable	Yes	2.00	1.200		0.10	0.13	0.000	0.000	35.011	4.85	1.87
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	35.184	2.94	0.49
	Safety Cable	Yes	2.00	1.200	0.38 0.63	0.00	0.13	0.000	0.000	35.184	4.88	1.87
	Step bolts (ladder)	Yes	2.00	1.200	0.83	0.10	0.13	0.000	0.000	35.355	2.96	0.49
118.00	Safety Cable	Yes	2.00	1.200	0.50		0.00					

Structure: CT13069-A

Site Name: Meriden

119.00 (ft)

Height: Base Elev: 1.000 (ft)

Gh:

Code:

TIA-222-H

Exposure:

Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: II

7/27/2023

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SBA

Load Case: 0.9D + 1.0W 119 mph Wind

Dead Load Factor

0.90

Topography: 1

Wind Load Factor

1.00

Iterations

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
118.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	35.355	4.90	1.87
									To	tals:	467.1	139.4

CT13069-A Structure:

1.1

Code:

TIA-222-H

7/27/2023

Site Name: Meriden

Exposure:

Height:

Gh:

119.00 (ft)

Crest Height: 0.00

SBA

Iterations

27

Base Elev: 1.000 (ft)

Topography: 1

D - Stiff Soil Site Class: Struct Class: ||

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Load Case: 0.9D + 1.0W 119 mph Wind

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



Color Colo	0.00 1.00 2.00	(kins) (Y (-)	MZ	MX (ft-kips)	Moment (ft-kips)	Pn (kips)	phi Vn (kips)	Tn (ft-kips)	Mn (ft-kips)	Deflect (in)	Sway (deg)	Twist (deg)	Stress Ratio
1.00	1.00 2.00					1	-						0.00	0.000	0.000	0.811
1.00	2.00										2121.21	1819.38	0.01	-0.052	0.000	0.672
200 -22.44 -19.11 -0.75 -1668.2 -0.01 1668.27 2048.36 589.91 2073.38 1788.88 0.08 -0.181 0.000 0 6.00 -22.15 -19.01 -0.75 -1650.0 -0.01 1630.06 2040.76 585.40 2041.79 1788.54 0.01 -0.353 0.000 0 8.00 -21.87 -18.91 -0.75 -1554.2 -0.01 1592.05 2033.04 580.89 2010.44 1748.19 0.31 -0.353 0.000 0 12.00 -21.59 -18.80 -0.75 -1516.6 -0.01 1516.63 2017.23 571.87 1948.47 170.49 0.67 -0.523 0.000 0 14.00 -21.31 -18.70 -0.75 -1492.2 -0.01 1479.22 2009.13 567.35 1917.85 1687.14 0.91 -0.608 0.000 0 18.00 -20.76 -18.39 -0.75 -1405.0 0.00 1405.01 <											2105.21	1809.22	0.02	-0.095	0.000	0.667
6.00 -22.15 -19.01 -0.75 -1630.0 -0.01 1630.06 2040.76 585.40 2041.79 1768.54 0.17 -0.267 0.000 0.00 8.00 -21.87 -18.91 -0.75 -1592.0 -0.01 1592.05 2033.04 580.89 2010.44 1748.19 0.31 -0.353 0.000 10.00 -21.59 -18.80 -0.75 -1516.6 -0.01 1554.24 2025.20 576.38 1979.33 1727.84 0.47 -0.438 0.000 12.00 -21.31 -18.70 -0.75 -1516.6 -0.01 1516.63 2017.23 571.87 1948.47 1707.49 0.67 -0.523 0.000 14.00 -21.03 -18.60 -0.75 -1449.2 -0.01 1479.22 2009.13 567.35 1917.85 1687.14 0.91 -0.608 0.000 16.00 -20.76 -18.50 -0.75 -1440.0 -0.01 1442.01 2000.92 562.84 1887.48 1666.80 1.18 -0.692 0.000 18.00 -20.50 -18.39 -0.75 -1400.4 -0.01 1400.41 1991.52 557.77 1853.59 1643.92 1.53 -0.786 -0.001 18.25 -20.45 -18.39 -0.75 -1400.4 -0.01 1400.41 1991.52 557.77 1853.59 1643.92 1.53 -0.786 -0.001 18.25 -20.45 -18.39 -0.75 -1400.4 -0.01 1400.41 1991.52 557.77 1853.59 1643.92 1.53 -0.786 -0.001 18.25 -20.45 -18.39 -0.75 -1400.4 -0.01 1400.41 1991.52 557.77 1853.59 1643.92 1.53 -0.786 -0.001 18.25 -20.45 -18.39 -0.75 -1331.6 -0.01 1331.61 1975.52 549.31 1797.80 1605.83 2.22 -0.981 -0.001 22.00 -19.93 -18.23 -0.75 -1331.6 -0.01 1295.15 1966.80 544.80 1768.39 1585.53 2.66 -1.103 -0.001 24.00 -19.85 -18.15 -0.75 -1252.7 -0.01 1222.70 1948.99 535.78 170.31 1544.99 3.69 -1.224 -0.001 28.00 -19.99 -17.99 -0.75 -1186.7 -0.01 1150.88 1930.69 526.75 1653.19 1504.55 4.92 -1.584 -0.001 28.00 -18.82 -17.75 -0.75 -1186.7 -0.01 1150.88 1930.69 526.75 1653.19 1504.55 4.92 -1.584 -0.001 28.00 -18.28 -17.75 -0.75 -1186.7 -0.01 1150.88 1930.69 526.75 1653.19 1504.55 4.92 -1.584 -0.001 28.00 -18.82 -17.91 -0.75 -1186.7 -0.01 1150.88 1930.69 526.75 1653.19 1504.55 4.92 -1.584 -0.001 28.00 -18.82 -17.91 -0.75 -1186.7 -0.01 1150.88 1930.69 526.75 1653.19 1504.55 4.92 -1.584 -0.001 28.00 -18.82 -17.75 -0.75 -0.75 -0.01 1150.2 -0.01 1150.88 1930.69 526.75 1653.19 1504.55 4.92 -1.584 -0.001 28.00 -18.82 -17.91 -0.75 -10.99 -0.99 -0.99 -0.99 -0.99 -0.99 -0.99 -0.99 -0.99 -0.99 -0.99 -0.99 -0.99 -0.99 -0.99 -0.	4.00									589.91	2073.38	1788.88	0.08	-0.181	0.000	0.658
8.00 -22.187 -18.91 -0.75 -1592.0 -0.01 1592.05 2033.04 580.89 2010.44 1748.19 0.31 -0.353 0.000 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										585.40	2041.79	1768.54	0.17	-0.267	0.000	0.649
10.00										580.89	2010.44	1748.19	0.31	-0.353	0.000	0.639
12.00 -21.31 -18.70 -0.75 -1516.6 -0.01										576.38	1979.33	1727.84	0.47	-0.438	0.000	0.630
14.00 -21.03 -18.60 -0.75 -1479.2 -0.01 1479.22 2009.13 567.35 1917.85 1687.14 0.91 -0.608 0.000 0.00 16.00 -20.76 -18.50 -0.75 -1442.0 -0.01 1442.01 2000.92 562.84 1887.48 1666.80 1.18 -0.692 0.000 18.00 -20.50 -18.39 -0.75 -1400.4 -0.01 1400.41 1991.52 557.77 1853.59 1643.92 1.53 -0.786 -0.001 0.001 182.5 -20.45 -18.39 -0.75 -1400.4 -0.01 1400.41 1991.52 557.77 1853.59 1643.92 1.53 -0.786 -0.001 0.001 182.5 -20.45 -18.39 -0.75 -1400.4 -0.01 1400.41 1991.52 557.77 1853.59 1643.92 1.53 -0.786 -0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001										571.87	1948.47	1707.49	0.67	-0.523	0.000	0.621
16.00 -20.76 -18.50 -0.75 -1442.0 -0.01 1442.01 2000.92 562.84 1887.48 1666.80 1.18 -0.692 0.000 0 18.00 -20.50 -18.39 -0.75 -1405.0 0.00 1405.01 1992.57 558.33 1857.34 1646.46 1.49 -0.776 -0.001 0 18.25 -20.45 -18.39 -0.75 -1400.4 -0.01 1400.41 1991.52 557.77 1853.59 1643.92 1.53 -0.786 -0.001 0 20.00 -20.21 -18.31 -0.75 -1400.4 -0.01 1368.23 1984.11 553.82 1827.45 1626.14 1.84 -0.860 -0.001 0 20.00 -20.21 -18.13 -0.75 -1331.6 -0.01 1331.61 1975.52 549.31 1797.80 1605.83 2.22 -0.981 -0.001 0 0 0 0 0 0 0 0 0 0 0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2009.13</td> <td>567.35</td> <td>1917.85</td> <td>1687.14</td> <td>0.91</td> <td>-0.608</td> <td>0.000</td> <td>0.611</td>									2009.13	567.35	1917.85	1687.14	0.91	-0.608	0.000	0.611
18.00 -20.50 -18.39 -0.75 -1405.0 0.00 1405.01 1992.57 558.33 1857.34 1646.46 1.49 -0.776 -0.001 0 18.25 -20.45 -18.39 -0.75 -1400.4 -0.01 1400.41 1991.52 557.77 1853.59 1643.92 1.53 -0.786 -0.001 0 18.25 -20.45 -18.39 -0.75 -1400.4 -0.01 1400.41 1991.52 557.77 1853.59 1643.92 1.53 -0.786 -0.001 0 20.00 -20.21 -18.31 -0.75 -1368.2 -0.01 1331.61 1975.52 559.83 1827.45 1626.14 1.84 -0.860 -0.001 24.00 -19.93 -18.23 -0.75 -1295.1 -0.01 1295.15 1966.80 544.80 1768.39 1585.53 2.66 -1.103 -0.001 0 26.00 -19.93 -18.07 -0.75 -1258.8 -0.01 1222.70 1948.99 535.78 170.31 1544.99 3.69 -1345 -0.001 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2000.92</td><td>562.84</td><td>1887.48</td><td>1666.80</td><td>1.18</td><td>-0.692</td><td>0.000</td><td>0.601</td></tr<>									2000.92	562.84	1887.48	1666.80	1.18	-0.692	0.000	0.601
18.00 -20.35 -18.39 -0.75 -1400.4 -0.01 1400.41 1991.52 557.77 1853.59 1643.92 1.53 -0.786 -0.001 0 18.25 -20.45 -18.39 -0.75 -1400.4 -0.01 1400.41 1991.52 557.77 1853.59 1643.92 1.53 -0.786 -0.001 0 20.00 -20.21 -18.31 -0.75 -1368.2 -0.01 1331.61 1975.52 549.31 1797.80 1605.83 2.22 -0.981 -0.001 0 24.00 -19.93 -18.23 -0.75 -1295.1 -0.01 1295.15 1966.80 544.80 1768.39 1585.53 2.66 -1.103 -0.001 0 26.00 -19.93 -18.67 -0.75 -1295.1 -0.01 1295.15 1966.80 544.80 1768.39 1585.53 2.66 -1.103 -0.001 0 26.00 -19.97 -18.07 -0.75 -1222.7 -0.01 1222.70 1948.99 535.78 171.031 1544.99 3.69 -1.345 -0.001 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1992.57</td> <td>558.33</td> <td>1857.34</td> <td>1646.46</td> <td>1.49</td> <td>-0.776</td> <td>-0.001</td> <td>0.592</td>									1992.57	558.33	1857.34	1646.46	1.49	-0.776	-0.001	0.592
18.25 -20.45 -18.39 -0.75 -1400.4 -0.01 1400.41 1991.52 557.77 1853.59 1643.92 1.53 -0.786 -0.001 0 20.00 -20.21 -18.31 -0.75 -1368.2 -0.01 1368.23 1984.11 553.82 1827.45 1626.14 1.84 -0.860 -0.001 0 22.00 -19.93 -18.23 -0.75 -1331.6 -0.01 1331.61 1975.52 549.31 1797.80 1605.83 2.22 -0.981 -0.001 24.00 -19.65 -18.15 -0.75 -1295.1 -0.01 1295.15 1966.80 544.80 1768.39 1585.53 2.66 -1.103 -0.001 0 26.00 -19.97 -0.75 -1222.7 -0.01 1222.70 1948.99 535.78 177.01 1544.99 3.69 -1.345 -0.001 0 30.00 -18.82 -17.91 -0.75 -1186.7 -0.01 1150.88 1930.69 526.75 1653.19 1504.55 4.92 -1.584 -0.001 0										557.77	1853.59	1643.92	1.53	-0.786	-0.001	0.590
20.00 -20.21 -18.31 -0.75 -1368.2 -0.01 1368.23 1984.11 553.82 1827.45 1626.14 1.84 -0.860 -0.001 02.00 -19.93 -18.23 -0.75 -1331.6 -0.01 1331.61 1975.52 549.31 1797.80 1605.83 2.22 -0.981 -0.001 02.00 -19.93 -18.23 -0.75 -1295.1 -0.01 1295.15 1966.80 544.80 1768.39 1885.53 2.66 -1.103 -0.001 02.00 -19.37 -18.07 -0.75 -1258.8 -0.01 1258.84 1957.96 540.29 1739.23 1565.25 3.15 -1.224 -0.001 02.00 -19.37 -18.07 -0.75 -1258.8 -0.01 1222.70 1948.99 535.78 1710.31 1544.99 3.69 -1.345 -0.001 02.00 -19.00 -17.99 -0.75 -1222.7 -0.01 1222.70 1948.99 535.78 1710.31 1544.99 3.69 -1.345 -0.001 02.00 -18.82 -17.91 -0.75 -1150.8 -0.01 1150.88 1930.69 526.75 1653.19 1504.55 4.92 -1.584 -0.001 02.00 -18.28 -17.75 -0.75 -1115.2 -0.01 1115.22 1921.36 522.24 1624.99 1484.36 5.60 -1.703 -0.001 02.00 -18.28 -17.75 -0.75 -1044.4 -0.01 1079.73 1911.89 517.73 1597.04 1464.21 6.34 -1.821 -0.001 02.00 -17.49 -17.48 -0.75 -1009.2 -0.01 1009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 02.00 -16.29 -17.29 -0.75 -939.55 -0.01 939.55 1872.80 499.69 1487.66 1383.95 9.79 -2.285 -0.002 02.00 -16.48 -17.08 -0.75 -870.59 -0.01 870.59 1852.51 490.67 1434.42 1344.07 11.80 -2.510 -0.002 02.00 -16.48 -17.08 -0.75 -870.59 -0.01 870.59 1852.51 490.67 1434.42 1344.07 11.80 -2.510 -0.002 02.00 -16.48 -17.08 -0.75 -870.59 -0.01 870.59 1852.51 490.67 1434.42 1344.07 11.80 -2.510 -0.002 02.00 -16.11 -16.99 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 02.000 -16.11 -16.99 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 02.000 -16.11 -16.99 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 02.000 -16.11 -16.99 -0.75 -836.46 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 02.000 02.000 -16.12 140.00 -0.75 -836.46 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 02.000 02.000 -16.12 14.00 -0.75 -836.46 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 02.000 02.000 -16.12 14.00 -0.75 -836.46 -0.02 836.48 1831.72 481.64									1991.52	557.77	1853.59	1643.92	1.53	-0.786	-0.001	0.590
22.00 -19.93 -18.23 -0.75 -1331.6 -0.01 1331.61 1975.52 549.31 1797.80 1605.83 2.22 -0.981 -0.001 0 24.00 -19.65 -18.15 -0.75 -1295.1 -0.01 1295.15 1966.80 544.80 1768.39 1585.53 2.66 -1.103 -0.001 0 26.00 -19.97 -18.07 -0.75 -1258.8 -0.01 1258.84 1957.96 540.29 1739.23 1565.25 3.15 -1.224 -0.001 0 28.00 -19.09 -17.99 -0.75 -1222.7 -0.01 1222.70 1948.99 535.78 1710.31 1544.99 3.69 -1.345 -0.001 0 30.00 -18.82 -17.91 -0.75 -1186.7 -0.01 1186.71 1939.91 531.27 1681.63 1524.76 4.28 -1.465 -0.001 0 32.00 -18.55 -17.83 -0.75 -1115.0 -0.01 1150.88 1930.69 526.75 1653.19 1504.55 4.92 -1.584 -0.001 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1984.11</td> <td>553.82</td> <td>1827.45</td> <td>1626.14</td> <td>1.84</td> <td>-0.860</td> <td>-0.001</td> <td>0.853</td>									1984.11	553.82	1827.45	1626.14	1.84	-0.860	-0.001	0.853
24.00 -19.65 -18.15 -0.75 -1295.1 -0.01 1295.15 1966.80 544.80 1768.39 1585.53 2.66 -1.103 -0.001 0 26.00 -19.37 -18.07 -0.75 -1258.8 -0.01 1258.84 1957.96 540.29 1739.23 1565.25 3.15 -1.224 -0.001 0 28.00 -19.09 -17.99 -0.75 -1222.7 -0.01 1222.70 1948.99 535.78 1710.31 1544.99 3.69 -1.345 -0.001 0 30.00 -18.82 -17.91 -0.75 -1186.7 -0.01 1186.71 1939.91 531.27 1681.63 1524.76 4.28 -1.465 -0.001 32.00 -18.82 -17.75 -0.75 -1150.8 -0.01 1150.88 1930.69 526.75 1653.19 1504.55 4.92 -1.584 -0.001 34.00 -18.28 -17.75 -0.75 -1115.2 -0.01 1079.73 1911.89 517.73 1597.04 1464.21 6.34 -1.821 -0.001 38									1975.52	549.31	1797.80	1605.83	2.22	-0.981	-0.001	0.840
26.00 -19.37 -18.07 -0.75 -1258.8 -0.01 1258.84 1957.96 540.29 1739.23 1565.25 3.15 -1.224 -0.001 028.00 -19.09 -17.99 -0.75 -1222.7 -0.01 1222.70 1948.99 535.78 1710.31 1544.99 3.69 -1.345 -0.001 030.00 -18.82 -17.91 -0.75 -1186.7 -0.01 1186.71 1939.91 531.27 1681.63 1524.76 4.28 -1.465 -0.001 030.00 -18.82 -17.91 -0.75 -1150.8 -0.01 1150.88 1930.69 526.75 1653.19 1504.55 4.92 -1.584 -0.001 030.00 -18.28 -17.75 -0.75 -1115.2 -0.01 1115.22 1921.36 522.24 1624.99 1484.36 5.60 -1.703 -0.001 030.00 -18.28 -17.75 -0.75 -1079.7 -0.01 1079.73 1911.89 517.73 1597.04 1464.21 6.34 -1.821 -0.001 038.00 -17.75 -17.66 -0.75 -1044.4 -0.01 1044.41 1902.31 513.22 1569.33 1444.09 7.13 -1.938 -0.001 038.00 -17.75 -17.67 -0.75 -1044.4 -0.01 1044.41 1902.31 513.22 1569.33 1444.09 7.13 -1.938 -0.001 038.00 -17.49 -17.48 -0.75 -1009.2 -0.01 1009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 0394.00 -17.23 -17.38 -0.75 -974.32 -0.01 974.32 1882.76 504.20 1514.64 1403.96 8.86 -2.170 -0.001 0393.55 1872.80 499.69 1487.66 1383.95 9.79 -2.285 -0.002 0394.00 -16.72 -17.19 -0.75 -904.97 -0.01 904.97 1862.72 495.18 1460.92 1363.99 10.77 -2.398 -0.002 0394.07 -16.48 -17.08 -0.75 -870.59 -0.01 870.59 1852.51 490.67 1434.42 1344.07 11.80 -2.510 -0.002 0394.75 -16.38 -17.05 -0.75 -870.59 -0.01 870.59 1852.51 490.67 1434.42 1344.07 11.80 -2.510 -0.002 0394.75 -16.38 -17.05 -0.75 -870.59 -0.01 870.59 1852.51 490.67 1434.42 1344.07 11.80 -2.510 -0.002 0394.75 -16.38 -17.05 -0.75 -870.59 -0.01 870.59 1852.51 490.67 1434.42 1344.07 11.80 -2.510 -0.002 0394.75 -16.38 -17.05 -0.75 -870.59 -0.01 870.59 1852.51 490.67 1434.42 1344.07 11.80 -2.510 -0.002 0394.75 -16.38 -17.05 -0.75 -887.77 -0.01 857.77 1848.65 488.97 1424.55 1336.61 12.20 -2.552 -0.002 0394.75 -16.38 -17.05 -0.75 -887.77 -0.01 857.77 1848.65 488.97 1424.55 1336.61 12.20 -2.552 -0.002 0394.75 -16.38 -17.05 -0.75 -887.77 -0.01 857.77 1848.65 488.97 1424.55 1336.61 12.20 -2.552 -0.002 0394.75 -16.38 -17.05 -0.75 -886.46 -0.02 886.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002										544.80	1768.39	1585.53	2.66	-1.103		0.828
28.00 -19.09 -17.99 -0.75 -1222.7 -0.01 1222.70 1948.99 535.78 1710.31 1544.99 3.69 -1.345 -0.001 00 00 00 00 00 00 00 00 00 00 00 00									1957.96	540.29	1739.23	1565.25	3.15	-1.224	-0.001	0.815
30.00 -18.82 -17.91 -0.75 -1186.7 -0.01 1186.71 1939.91 531.27 1681.63 1524.76 4.28 -1.465 -0.001 079.73 1911.89 517.73 1597.04 1464.21 6.34 -1.821 -0.001 079.73 1911.89 517.73 1597.04 1464.21 6.34 1424.00 7.97 -2.055 -0.001 079.74 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 079.74 1892.60 508.71 1541.86 1424.00 7.97 -2.285 -0.002 079.74 1892.60 508.71 1541.86 1424.00 7.97 -2.285 -0.002 079.74 1892.60 508.71 1541.86 1424.00 7.97 -2.285 -0.002 079.74 1892.60 508.71 1541.86 1424.00 7.97 -2.285 -0.0								1222.70	1948.99	535.78	1710.31	1544.99	3.69	-1.345		0.802
32.00 -18.55 -17.83 -0.75 -1150.8 -0.01 1150.88 1930.69 526.75 1653.19 1504.55 4.92 -1.584 -0.001 34.00 -18.28 -17.75 -0.75 -1115.2 -0.01 1115.22 1921.36 522.24 1624.99 1484.36 5.60 -1.703 -0.001 36.00 -18.02 -17.66 -0.75 -1079.7 -0.01 1079.73 1911.89 517.73 1597.04 1464.21 6.34 -1.821 -0.001 38.00 -17.75 -17.57 -0.75 -1044.4 -0.01 1044.41 1902.31 513.22 1569.33 1444.09 7.13 -1.938 -0.001 38.00 -17.49 -17.48 -0.75 -1009.2 -0.01 1009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 36.00 -17.23 -17.38 -0.75 -974.32 -0.01 974.32 1882.76 504.20 1514.64 1403.96 8.86 -2.170 -0.001 36.00 -16.97 -17.29 -0.75 -939.55 -0.01 939.55 1872.80 499.69 1487.66 1383.95 9.79 -2.285 -0.002 36.00 -16.72 -17.19 -0.75 -904.97 -0.01 904.97 1862.72 495.18 1460.92 1363.99 10.77 -2.398 -0.002 36.00 -16.48 -17.08 -0.75 -870.59 -0.01 870.59 1852.51 490.67 1434.42 1344.07 11.80 -2.510 -0.002 36.00 -16.11 -16.99 -0.75 -857.77 -0.01 857.77 1848.65 488.97 1424.55 1336.61 12.20 -2.552 -0.002 36.00 -16.11 -16.99 -0.75 -857.77 -0.01 857.77 1848.65 488.97 1424.55 1336.61 12.20 -2.552 -0.002 36.00 -16.11 -16.99 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 36.00 -16.11 -16.99 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 36.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 36.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 36.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002									1939.91	531.27	1681.63	1524.76		-1.465		0.789
34.00 -18.28 -17.75 -0.75 -1115.2 -0.01 1115.22 1921.36 522.24 1624.99 1484.36 5.60 -1.703 -0.001 036.00 -18.02 -17.66 -0.75 -1079.7 -0.01 1079.73 1911.89 517.73 1597.04 1464.21 6.34 -1.821 -0.001 038.00 -17.75 -17.57 -0.75 -1044.4 -0.01 1044.41 1902.31 513.22 1569.33 1444.09 7.13 -1.938 -0.001 044.00 -17.49 -17.48 -0.75 -1009.2 -0.01 1009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 044.00 -17.23 -17.38 -0.75 -974.32 -0.01 974.32 1882.76 504.20 1514.64 1403.96 8.86 -2.170 -0.001 044.00 -16.97 -17.29 -0.75 -939.55 -0.01 939.55 1872.80 499.69 1487.66 1383.95 9.79 -2.285 -0.002 044.00 -16.72 -17.19 -0.75 -904.97 -0.01 904.97 1862.72 495.18 1460.92 1363.99 10.77 -2.398 -0.002 048.00 -16.48 -17.08 -0.75 -870.59 -0.01 870.59 1852.51 490.67 1434.42 1344.07 11.80 -2.510 -0.002 048.75 -16.38 -17.05 -0.75 -857.77 -0.01 857.77 1848.65 488.97 1424.55 1336.61 12.20 -2.552 -0.002 055.000 -16.11 -16.99 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 055.000 -16.11 -16.99 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 055.000 -16.11 -16.99 -0.75 -836.48 -0.02 882.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 055.000 -16.11 -16.99 -0.75 -836.48 -0.02 882.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 055.000 -16.11 -16.99 -0.75 -836.48 -0.02									1930.69	526.75	1653.19	1504.55	4.92	-1.584		0.776
36.00 -18.02 -17.66 -0.75 -1079.7 -0.01 1079.73 1911.89 517.73 1597.04 1464.21 6.34 -1.821 -0.001 038.00 -17.75 -17.57 -0.75 -1044.4 -0.01 1044.41 1902.31 513.22 1569.33 1444.09 7.13 -1.938 -0.001 038.00 -17.49 -17.48 -0.75 -1009.2 -0.01 1009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 042.00 -17.23 -17.38 -0.75 -974.32 -0.01 974.32 1882.76 504.20 1514.64 1403.96 8.86 -2.170 -0.001 044.00 -16.97 -17.29 -0.75 -939.55 -0.01 939.55 1872.80 499.69 1487.66 1383.95 9.79 -2.285 -0.002 044.00 -16.72 -17.19 -0.75 -904.97 -0.01 904.97 1862.72 495.18 1460.92 1363.99 10.77 -2.398 -0.002 048.00 -16.48 -17.08 -0.75 -870.59 -0.01 870.59 1852.51 490.67 1434.42 1344.07 11.80 -2.510 -0.002 048.75 -16.38 -17.05 -0.75 -857.77 -0.01 857.77 1848.65 488.97 1424.55 1336.61 12.20 -2.552 -0.002 05.000 -16.11 -16.99 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 05.000 -16.11 -16.99 -0.75 -836.48 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 05.000 -16.11 -16.99 -0.75 -836.48 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 05.000 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 05.000 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 05.000 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 05.000 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 05.000 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 05.000 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 05.000 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 05.000 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 05.000 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 05.000 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.1								1115.22	1921.36	522.24	1624.99	1484.36	5.60	-1.703		0.762
38.00 -17.75 -17.57 -0.75 -1044.4 -0.01 1044.41 1902.31 513.22 1569.33 1444.09 7.13 -1.938 -0.001 009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 009.27 1892.60 508.71 1541.86 1403.96 8.86 -2.170 -0.001 009.27 1892.60 508.71 1541.86 1403.96 8.86 -2.170 -0.001 009.27 1892.60 508.71 1541.86 1403.96 8.86 -2.170 -0.001 009.27 1892.60 508.71 1541.86 1403.96 8.86 -2.170 -0.001 009.27 1892.60 508.71 1541.86 1403.96 8.86 -2.170 -0.001 009.27 1892.60 508.71 1541.86 1403.96 8.86 -2.170 -0.001 009.27 1892.60 508.71 1541.86 1403.96 8.86 -2.170 -0.001 009.27 1892.60 508.71 1541.86 1403.96 8.86 -2.170 -0.001 009.27 1892.60 508.71 1541.86 1403.96 8.86 -2.170 -0.001 009.27 1892.60 508.71 1541.86 1403.96 8.86 -2.170 -0.001 009.27 1892.60 508.71 1541.86 1403.96 8.86 -2.170 -0.001 009.27 1892.60 508.71 1541.86 1403.96 8.86 -2.170 -0.001 009.27 1892.60 508.71 1541.86 1403.96 8.86 -2.170 -0.001 009.27 1892.60 508.71 1892.60 508.71 1400.99 10.77 -2.398 -0.002 009.27 1892.60 508.71 1892.60 508.71 1400.99 10.77 -2.398 -0.002 009.27 1892.60 508.71 1892.60 508.71 1400.99 10.77 -2.398 -0.002 009.27 1892.60 508.71 1892.60 508.71 1400.99 10.77 -2.398 -0.002 009.27 1892.60 508.71 1400.99 10.77 -2.398 -0.002 009.27 1892.60 508.71 1400.99 10.77 10.002 009.27 1892.60 508.71 1400.99 10.77 10.002 009.27 1892.60 508.71 1400.99 10.77 10.002 009.27 1892.60 508.71 1400.99 10.77 120.002 009.27 120.002 009.27 120.002 009.27 120.002 009.27 120.002 009.27 120.002 009.27 120.002 009.27 120.002 009.27 120.002 009.27 120.002 009.27 120.002 009.								1079.73	1911.89	517.73	1597.04	1464.21	6.34	-1.821		0.748
40.00 -17.49 -17.48 -0.75 -1009.2 -0.01 1009.27 1892.60 508.71 1541.86 1424.00 7.97 -2.055 -0.001 60.001								1044.41	1902.31	513.22	1569.33	1444.09	7.13			0.734
42.00 -17.23 -17.38 -0.75 -974.32 -0.01 974.32 1882.76 504.20 1514.64 1403.96 8.86 -2.170 -0.001 (4.00 -16.97 -17.29 -0.75 -939.55 -0.01 939.55 1872.80 499.69 1487.66 1383.95 9.79 -2.285 -0.002 (4.00 -16.72 -17.19 -0.75 -904.97 -0.01 904.97 1862.72 495.18 1460.92 1363.99 10.77 -2.398 -0.002 (4.00 -16.72 -17.19 -0.75 -870.59 -0.01 870.59 1852.51 490.67 1434.42 1344.07 11.80 -2.510 -0.002 (4.00 -16.48 -17.08 -0.75 -857.77 -0.01 857.77 1848.65 488.97 1424.55 1336.61 12.20 -2.552 -0.002 (4.00 -16.11 -16.99 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 (4.00 -16.11 -16.99 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 (4.00 -16.11 -16.99 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 (4.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 (4.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 (4.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 (4.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 (4.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 (4.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 (4.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 (4.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 (4.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 (4.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 (4.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 (4.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 (4.00 -16.11 -16.99 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.7								1009.27	1892.60	508.71	1541.86	1424.00	7.97			0.719
44.00 -16.97 -17.29 -0.75 -939.55 -0.01 939.55 1872.80 499.69 1487.66 1383.95 9.79 -2.285 -0.002 0.002 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>974.32</td> <td>1882.76</td> <td>504.20</td> <td>1514.64</td> <td>1403.96</td> <td></td> <td></td> <td></td> <td>0.704</td>								974.32	1882.76	504.20	1514.64	1403.96				0.704
46.00 -16.72 -17.19 -0.75 -904.97 -0.01 904.97 1862.72 495.18 1460.92 1363.99 10.77 -2.398 -0.002 0								939.55	1872.80	499.69	1487.66	1383.95				0.689
48.00 -16.48 -17.08 -0.75 -870.59 -0.01 870.59 1852.51 490.67 1434.42 1344.07 11.80 -2.510 -0.002 (48.75 -16.38 -17.05 -0.75 -857.77 -0.01 857.77 1848.65 488.97 1424.55 1336.61 12.20 -2.552 -0.002 (59.75 -16.38 -17.05 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 (59.75 -16.38 -17.05 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 (59.75 -16.38 -17.05 -0.75 -836.48 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 (59.75 -16.38 -17.05 -0.75 -836.48 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 (59.75 -16.38 -17.05 -0.75 -836.48 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 (59.75 -16.38 -17.05 -0.75 -836.48 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 (59.75 -16.38 -17.05 -0.75 -836.48 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 (59.75 -16.38 -17.05 -0.75 -836.48 -0.02 836.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -16.38 -17.05 -0.002 (59.75 -17.05 -0.002 (59.75 -17.05 -0.002 (59.75 -17.05 -0.002 (59.75 -17.05 -0.002 (59.75 -17.05 -0.002 (59.75 -17.05 -0.002 (59.75								904.97	1862.72	495.18	1460.92	1363.99				0.674
48.75 -16.38 -17.05 -0.75 -857.77 -0.01 857.77 1848.65 488.97 1424.55 1336.61 12.20 -2.552 -0.002 (870.59	1852.51	490.67	1434.42	1344.07				0.658
50.00 -16.11 -16.99 -0.75 -836.46 -0.02 836.46 1842.18 486.15 1408.17 1324.20 12.87 -2.621 -0.002 0								857.77	1848.65	488.97	1424.55	1336.61				0.652
802.48 1831.72 481.64 1382.15 1304.37 14.00 -2.731 -0.002								836.46	1842.18	486.15	1408.17	1324.20				0.642
57 NN -15 /N -16 8 / -U /3 -NUZ.40 -U.UZ 00Z.40 100			-16.87		0.75	-802.48	-0.02	802.48	1831.72	481.64	1382.15	1304.37				0.625
53.25 -15.44 -16.80 -0.75 -781.39 -0.02 781.39 1841.33 485.79 1406.04 1322.58 14.72 -2.799 -0.002 U								781.39	1841.33	485.79	1406.04	1322.58				0.600
54.00 15.34 16.77 -0.75 -768.79 -0.02 768.79 1837.42 484.09 1396.26 1315.14 15.16 -2.839 -0.002 0							-0.02	768.79	1837.42	484.09	1396.26	1315.14				0.594
56.00 -15.10 -16.66 -0.75 -735.26 -0.02 735.26 1826.91 479.58 1370.36 1295.34 16.37 -2.941 -0.002 (-			-0.02	735.26	1826.91	479.58	1370.36					0.577
58.00 -14.86 -16.55 -0.75 -701.94 -0.02 701.94 1816.27 475.07 1344.70 1275.60 17.63 -3.041 -0.002 (-0.02	701.94	1816.27			1275.60				0.560
60.00 -14.62 -16.44 -0.75 -668.84 -0.02 668.84 1805.51 470.56 1319.28 1255.91 18.92 -3.139 -0.002							-0.02	668.84	1805.51	470.56	1319.28	1255.91				0.542
62.00 -14.38 -16.33 -0.75 -635.96 -0.02 635.96 1794.62 466.05 1294.11 1236.28 20.26 -3.233 -0.02						-635.96	-0.02	635.96	1794.62	466.05	1294.11	1236.28				0.524
64.00 14.15 16.22 0.75 -603.30 -0.02 603.30 1783.61 461.54 1269.18 1216.72 21.63 -3.328 -0.003							-0.02	603.30	1783.61	461.54	1269.18	1216.72				0.505
66.00 13.92 16.10 -0.75 -570.87 -0.02 570.87 1772.48 457.03 1244.49 1197.22 23.05 -3.420 -0.003							-0.02	570.87	1772.48	457.03	1244.49	1197.22				0.486
58.00 13.60 -15.90 -0.75 -538.67 -0.03 538.67 1761.22 452.52 1220.04 1177.78 24.50 -3.509 -0.003						-538.67		538.67	1761.22	452.52	1220.04	1177.78				0.466
70.00 13.47 -15.87 -0.75 -506.69 -0.03 506.69 1749.83 448.01 1195.84 1158.41 25.99 -3.595 -0.003							-0.03	506.69	1749.83							0.446
72.00 -13.25 -15.75 -0.75 -474.95 -0.03 474.95 1738.33 443.49 1171.88 1139.12 27.51 -3.679 -0.003									1738.33	443.49	1171.88	1139.12				0.426
74.00 -13.03 -15.64 -0.75 -443.45 -0.03 443.45 1726.69 438.98 1148.16 1119.90 29.07 -3.760 -0.003								443.45	1726.69							0.405
76.00 12.81 -15.52 -0.75 -412.18 -0.03 412.18 1714.94 434.47 1124.68 1100.75 30.66 -3.837 -0.003 t								412.18	1714.94	434.47						0.383
78.00 -12.60 -15.40 -0.75 -381.14 -0.03 381.14 1703.06 429.96 1101.45 1081.68 32.28 -3.911 -0.003									1703.06							0.361
80.00 12.39 15.28 -0.75 -350.35 -0.03 350.35 1691.05 425.45 1078.46 1062.70 33.94 -3.982 -0.004								350.35	1691.05	425.45		1062.70				0.338
92.00 12.18 15.15 -0.75 -319.80 -0.04 319.80 1678.92 420.94 1055.71 1043.80 35.62 -4.049 -0.004								319.80	1678.92							0.315
82.00 -12.18 -15.15 -0.75 -0.75 -0.04 -0.04 -0.04 -11.97 -15.03 -0.75 -289.49 -0.04 -12.99 -12.04 -0.04 -12.05 -12.								289.49	1666.67	416.43	1033.20	1024.99	37.33	-4.111	-0.004	0.291

Calculated Forces CT13069-A Structure: Code: TIA-222-H 7/27/2023 Site Name: Meriden Exposure: В Height: 119.00 (ft) SBA Crest Height: 0.00 Base Elev: 1.000 (ft) Site Class: D - Stiff Soil Gh: 1.1 Topography: 1 Struct Class: II Page: 27 86.00 -9.81 -12.59 -0.75-259.43 -0.04259.43 1654.29 411.92 1010.94 1006.26 39.06 -4.170 -0.004 0.265 88.00 -9.61 -12.47 -0.75-234.25 -0.04 234.25 1641.79 407.41 988.92 987.63 40.82 -4.224 -0.004 0.244 90.00 -9.42 -12.34 -0.75 -209.32 -0.04 209.32 1629.16 402.89 967.14 969.09 42.60 -4.274 -0.004 0.223 92.00 -9.23 -12.21 -0.75 -184.64 -0.04 184.64 1616.41 398.38 945.60 950.64 44.40 -4.320-0.005 0.201 94.00 -9.04 -12.09 -0.75 -160.21 -0.05 160.21 1603.53 393.87 924.31 932.30 46.21 -4.362-0.0050.178 96.00 -6.93 -9.11 0.00 -136.04 0.01 136.04 1590.53 389.36 903.25 914.06 -4.399 48.05 -0.005 0.154 98.00 -6.76 -8.98 0.00 -117.830.01 117.83 1577.41 384.85 882.45 895.92 49.90 -4.432 -0.005 0.136 98.75 -6.69 -8.93 0.00 -111.09 0.01 111.09 1572.46 383.16 874.71 889.15 50.59 -4.444 -0.005 0.130 100.00 -6.52 -8.85 0.00 -99.93 0.01 99.93 1564.16 380.34 861.88 877.89 51.76 -4.462 -0.005 0.119 102.00 -6.25 -8.71 0.00 -82.24 0.01 82.24 1550.79 375.83 841.56 859.97 53.63 -4.487 -0.005 0.100 102.25 -6.22-8.69 0.00 -80.06 0.01 80.06 1064.30 286.02 649.87 600.31 53.87 -4.490-0.005 0.140 104.00 -6.10-8.58 0.00 -64.85 0.01 64.85 1057.83 283.06 636.49 590.45 55,51 -4.508-0.005 0.117 106.00 -3.69 -4.980.00 -47.69 0.00 47.69 1050.33 279.67 621.36 579.20 57.41 -4.530 -0.005 0.086 108.00 -3.58-4.85 0.00 -37.730.00 37.73 1042.70 276.29 606.42 567.99 59.31 -4.546 -0.005 0.070 110.00 -3.46 -4.73 0.00 -28.030.00 28.03 1034.95 272.91 591.66 556.81 61.21 -4.560 -0.005 0.054 112.00 -3.35 -4.60 0.00 -18.580.00 18.58 1027.07 269.52 577.08 545.68 63.12 -4.570 -0.005 0.038 114.00 -3.24-4.48 0.00 -9.37 0.00 9.37 1019.06 266.14 562.68 534.58 65.04 -4.576 -0.0050.021 116.00 -0.13-0.17 0.00 -0.400.00 0.40 1010.94 262.76 548.47 523.52 66.95 -4.578 -0.005 0.001 118 00 -0 04 -0.060.00 -0.06 0.00 0.06 1002.69 259.37 534.43 512.52 68.87 -4.578 -0.005 0.000

998.51

257.68

527.49

507.03

69.83

-4.578

-0.005

0.000

119.00

0.00

-0.05

0.00

0.00

0.00

0.00

Wind Loading - Shaft

7/27/2023 TIA-222-H Code: Structure: CT13069-A

Exposure: Site Name: Meriden Crest Height: 0.00 119.00 (ft) Height:

D - Stiff Soil Site Class: Base Elev: 1.000 (ft)

Struct Class: || Topography: 1 Gh: 1.1



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

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



Page: 28

Iterations	25	
	- 1	
	- 1	
	- 1	

Elev (ft) Descript	ion Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	lce Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (Ib)	Tot Dead Load (lb)
	1.00	0.70	4.207	4.63	0.00	1.200	0.705	0.00	0.000	0.00	0.0	0.0	0.0
0.00 RB1	1.00	0.70	4.207	4.63	0.00	1.200	0.756	1.00	3.780	4.54	21.0	41.5	180.6
1.00 RT1 RB2	1.00	0.70	4.207	4.63	0.00	1.200	0.787	1.00	3.771	4.53	20.9	43.1	181.7
2.00	1.00	0.70	4.207	4.63	0.00	1.200	0.828	2.00	7.515	9.02	41.7	90.1	365.7
4.00	1.00	0.70	4.207	4.63	0.00	1.200	0.856	2.00	7.470	8.96	41.5	92.6	366.0
6.00	1.00	0.70	4.207	4.63	0.00	1.200	0.878	2.00	7,422	8.91	41.2	94.3	365.6
8.00	1.00	0.70	4.207	4.63	0.00	1.200	0.896	2.00	7.373	8.85	40.9	95.5	364.8
10.00	1.00	0.70	4.207	4.63	0.00	1.200	0.911	2.00	7.323	8.79	40.7	96.4	363.6
12.00	1.00	0.70	4.207	4.63	0.00	1.200	0.924	2.00	7.273	8.73	40.4	97.1	362.1
14.00		0.70	4.207	4.63	0.00	1.200	0.936	2.00	7.222	8.67	40.1	97.6	360.5
16.00	1.00	0.70	4.207	4.63	0.00	1.200	0.946	2.00	7.171	8.60	39.8	97.9	358.8
18.00	1.00	0.70	4.207	4.63	0.00	1.200	0.948	0.25	0.893	1.07	5.0	12.2	44.7
18.25 RT2	1.00	0.70	4.207	4.63	0.00	1.200	0.956	1.75	6.226	7.47	34.6	85.9	312.2
20.00	1.00	0.70	4.207	4.63	0.00	1.200	0.965	2.00	7.067	8.48	39.2	98.3	354.9
22.00	1.00	0.70	4.207	4.63	0.00	1.200	0.973	2.00	7.015	8.42	39.0	98.3	352.9
24.00	1.00		4.207	4.63	0.00	1.200	0.980	2.00	6.963	8.36	38.7	98.3	350.8
26.00	1.00	0.70	4.207	4.63	0.00	1.200	0.987	2.00	6.910	8.29	38.4	98.2	348.6
28.00	1.00	0.70	4.250	4.68	0.00	1.200	0.994	2.00	6.858	8.23	38.5	98.1	346.4
30.00	1.00	0.71		4.76	0.00	1.200	1.000	2.00	6.805	8.17	38.9	97.9	344.1
32.00	1.00	0.72	4.327 4.400	4.70	0.00	1.200	1.006	2.00	6.752	8.10	39.2	97.7	341.8
34.00	1.00	0.73		4.92	0.00	1.200	1.012	2.00	6.699	8.04	39.5	97.4	339.4
36.00	1.00	0.74	4.470	4.99	0.00	1.200	1.017	2.00	6.646	7.98	39.8		337.0
38.00	1.00	0.76	4.538 4.603	5.06	0.00	1.200	1.022	2.00	6.593	7.91	40.1	96.8	334.6
40.00	1.00	0.77		5.13	0.00	1.200	1.027	2.00	6.540	7.85	40.3	96.4	332.1
42.00	1.00	0.78	4.666	5.20	0.00	1.200	1.032	2.00	6.486	7.78	40.5	96.1	329.6
44.00	1.00	0.79	4.728 4.787	5.20	0.00	1.200	1.036	2.00	6.433	7.72	40.6	95.6	327.1
46.00	1.00	0.80		5.33	0.00	1.200	1.040	2.00	6.380	7.66	40.8		324.6
48.00	1.00	0.81	4.844	5.35	0.00	1.200	1.042	0.75	2.378	2.85	15.3		121.1
48.75 Bot - Section 2		0.81	4.865		0.00	1.200	1.044	1.25	4.000	4.80	25.9		345.7
50.00	1.00	0.82	4.900	5.39 5.45	0.00	1.200	1.049	2.00	6.357	7.63			549.2
52.00	1.00	0.82	4.954		0.00	1.200	1.051	1.25	3.946	4.74		59.6	340.9
53.25 Top - Section		0.83	4.987	5.49	0.00	1.200	1.052	0.75	2.357	2.83			120.3
54.00	1.00	0.83	5.006	5.51	0.00	1.200	1.052	2.00	6.250	7.50			318.8
56.00	1.00	0.84	5.058	5.56	0.00	1.200	1.060	2.00	6.197	7.44			316.2
58.00	1.00	0.85	5.108	5.62	0.00	1.200	1.063	2.00	6.143	7.37			313.5
60.00	1.00	0.86	5.157	5.67	0.00	1.200	1.067	2.00	6.089	7.31	41.8		310.9
62.00	1.00	0.87	5.205	5.73		1.200	1.070	2.00	6.036	7.24			308.2
64.00	1.00	0.87	5.251	5.78	0.00	1.200	1.073	2.00	5.982	7.18			305.5
66.00	1.00	0.88	5.297	5.83	0.00	1.200	1.073	2.00	5.928	7.11			302.8
68.00	1.00	0.89	5.342	5.88		1.200		2.00	5.874	7.05			300.1
70.00	1.00	0.90	5.385	5.92		1.200	1.080	2.00	5.820	6.98			297.4
72.00	1.00	0.90		5.97			1.083 1.086	2.00	5.767	6.92			294.7
74.00	1.00	0.91	5.470	6.02	0.00	1.200		2.00	5.713	6.86			292.0
76.00	1.00	0.92		6.06		1.200 1.200		2.00	5.659	6.79			289.2
78.00	1.00	0.92		6.11			1.091		5.605	6.73			286.4
80.00	1.00	0.93	5.592	6.15		1.200	1.094		5.551	6.66			283.7
82.00	1.00	0.94		6.19		1.200			5.497	6.60			280.9
84.00	1.00	0.94	5.670	6.24	0.00	1.200	1.099	2.00 LLC All right			71.1	00.1	

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Wind Loading - Shaft

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

 Site Name:
 Meriden
 Exposure:
 B

 Height:
 119.00 (ft)
 Crest Height:
 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Page: 29
2.00 5.443 6.53 41.0 85.4 278.1
2.00 5.389 6.47 40.9 84.7 275.3
2.00 5.335 6.40 40.7 84.0 272.5
2.00 5.281 6.34 40.6 83.3 269.7
2.00 5.227 6.27 40.4 82.6 266.9
2.00 5.173 6.21 40.2 81.8 264.1
2.00 5.119 6.14 40.0 81.1 261.2
0.75 1.906 2.29 14.9 30.3 97.3
1.25 3.199 3.84 25.1 50.9 246.5
2.00 5.074 6.09 40.1 80.7 390.7
0.25 0.630 0.76 5.0 10.1 48.6
1.75 4.390 5.27 34.9 69.9 185.8
2.00 4.966 5.96 39.7 79.2 210.1
2.00 4.912 5.89 39.5 78.4 207.7
2.00 4.858 5.83 39.2 77.6 205.4
2.00 4.804 5.76 39.0 76.8 203.1
2.00 4.749 5.70 38.7 76.1 200.7
2.00 4.695 5.63 38.5 75.3 198.3
2.00 4.641 5.57 38.2 74.5 196.0
1.00 2.300 2.76 19.0 37.0 97.2

Totals:

119.00

2,405.7

18,742.9

Discrete Appurtenance Forces

7/27/2023 TIA-222-H Code: Structure: CT13069-A

Exposure: В Site Name; Meriden Crest Height: 0.00 Height: 119.00 (ft)

D - Stiff Soil Site Class: Base Elev: 1.000 (ft)

Struct Class: || Gh:

Page: 30 Topography: 1 1.1

Iterations

SBA

25

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

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

No.	Elev (ft) Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	116.00 Sitepro RMQP-4096-HK	1	6.211	6.833	1.00	1.00	51.16	2203.46	0.000	0.000	349.56	0.00	0.00
2	116.00 AIR6449 B41	3	6.211	6.833	0.53	0,75	10.01	543.21	0.000	0.000	68.42	0.00	0.00
3	116.00 Air 32	3	6.211	6.833	0.65	0.75	14.14	810.07	0.000	0.000	96.60	0.00	0.00
4	116.00 AN 32 116.00 APXVAALL18-43-U-NA20		6.211	6.833	0.55	0.75	25.74	948.25	0.000	0.000	175.86	0.00	0.00
5	116.00 Exposed Mount Pipes	12	6.211	6.833	0.75	0.75	20.27	1037.14	0.000	0.000	138.48	0.00	0.00
6	116.00 KRY 112 144/1	3	6.211	6.833	0.50	0.75	1.08	51.33	0.000	0.000	7.41	0.00	0.00
7	116.00 SDX1926Q-43 Diplexer	3	6.211	6.833	0.50	0.75	0.85	32.31	0.000	0.000	5.80	0.00	0.00
8	116.00 Radio 4449 B71+B85	3	6.211	6.833	0.38	0.75	2.63	207.48	0.000	0.000	17.99	0.00	0.00
9	116.00 Ericsson 4415 B25 RRU	3	6.211	6.833	0.38	0.75	2.22	217.59	0.000	0.000	15.18	0.00	0.00
10	106.00 Samsung RFS	2	6.055	6.660	0.53	0.75	5.69	54.90	0.000	0.000	37.92	0.00	0.00
11	106.00 Samsung RFV01UA-D2A	3	6.055	6.660	0.38	0.75	2.51	378.59	0.000	0.000	16.72	0.00	0.00
12	106.00 Samsung RFV01U-D1A	3	6.055	6.660	0.38	0.75	2.51	299.98	0.000	0.000	16.72	0.00	0.00
13	106.00 Commscope	3	6.055	6.660	0.38	0.75	0.85	46.89	0.000	0.000	5.63	0.00	0.00
14	106.00 Andrew JAHH-65B-R3B	6	6.055	6.660	0.38	0.75	22.39	980.22	0.000	0.000	149.11	0.00	0.00
15	106.00 Samsung VZS01	3	6.055	6.660	0.53	0.75	8.44	460.57	0.000	0.000	56.20	0.00	0.00
16	106.00 Kaelus KA-6030	2	6.055	6.660	0.51	0.75	1.24	45.58	0.000	0.000	8.26	0.00	0.00
17	106.00 PV-LPP12M-B w/ Mods	1	6.055	6.660	1.00	1.00	87.60	2770.30	0.000	0.000	583.44	0.00	0.00
18	96.00 1900 MHz	3	5.888	6.476	0.40	0.80	4.22	301.32	0.000	0.000	27.33	0.00	0.00
19	96.00 UDS-NPL (3 Sectors)	3	5.888	6.476	0.56	0.75	34.36	1065.94	0.000	0.000	222.53	0.00	0.00
20	96.00 NNVV-65B-R4	3	5.888	6.476	0.59	0.80	23.44	628.00	0.000	0.000	151.82	0.00	0.00
21	96.00 AAHC	3	5.888	6.476	0.60	0.80	8.49	605.38	0.000	0.000	54.99	0.00	0.00
22	96.00 800 MHz RRU	6	5.888	6.476	0.40	0.80	7.73	538.22	0.000	0.000	50.05	0.00	0.00
23	96.00 TD-RRH8x20-25	3	5.888	6.476	0.40	0.80	5.46	447.88	0.000	0.000	35.39	0.00	0.00
24	96.00 VHLP2-18	2	5.888	6.476	1.00	1.00	11.01	151.71	2.194	0.000	71.30		0.00
25	96.00 VHLP1-23	1	5.888	6.476	1.00	1.00	2.09	29.52	0.000	0.000	13.56	0.00	0.00
26	86.00 MC-PK8-DSH	1	5.707	6.278	1.00	1.00	61.38	2764.97	0.000	0.000	385.38	0.00	0.00
27	86.00 Raycap	1	5.707	6.278	0.75	0.75	1.78	47.20	0.000	0.000	11.15	0.00	0.00
28	86.00 Fujitsu TA08025-B604	3	5.707	6.278	0.38	0.75	2.60	289.63	0.000	0.000	16.34	0.00	0.00
29	86.00 Fujitsu TA08025-B605	3	5.707	6.278	0.38	0.75	2.60	331.26	0.000	0.000	16.34	0.00	0.00 0.00
30	86.00 MX08FRO665-21	3	5.707	6.278	0.55	0.75	22.34	581.50	0.000	0.000	140.22	0.00	0.00

18,870.41 2,945.72 Totals:

Total Applied Force Summary

Structure: CT13069-A

Site Name: Meriden

119.00 (ft)

Base Elev: 1.000 (ft)

Gh: 1.1

Height:

Topography: 1

Code:

TIA-222-H

Exposure: B

Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/27/2023

SBA 🕖

Page: 31

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

Dead Load Factor

1.20

Wind Load Factor

1.00



Iterations 25

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (Ib-ft)	
0.00		0.00	0.00	0.00	0.00	
1.00		24.79	218.81	0.00	0.00	
2.00		24.85	220.10	0.00	0.00	
4.00		49.83	443.17	0.00	0.00	
6.00		49.77	443.96	0.00	0.00	
8.00		49.65	443.90	0.00	0.00	
10.00		49.50	443.31	0.00	0.00	
12.00		49.33	442.36	0.00	0.00	
14.00		49.14	441.15	0.00	0.00	
16.00		48.93	439.73	0.00	0.00	
18.00		48.72	438.16	0.00	0.00	
18.25		6.07	54.63	0.00	0.00	
20.00		42.42	381.78	0.00	0.00	
22.00		43.75	430.70	0.00	0.00	
24.00		43.49	428.74	0.00	0.00	
26.00		43.23	426.70	0.00	0.00	
28.00		42.96	424.60	0.00	0.00	
30.00		43.13	422.45	0.00	0.00	
32.00		43.63	420.23	0.00	0.00	
34.00		44.09	417.98	0.00	0.00	
36.00		44.50	415.68	0.00	0.00	
38.00		44.88	413.34	0.00	0.00	
40.00		45.22	410.97	0.00	0.00	
42.00		45.54	408.57	0.00	0.00	
44.00		45.82	406.14	0.00	0.00	
46.00		46.07	403.68	0.00	0.00	
48.00		46.30	401.20	0.00	0.00	
48.75		17.35	149.85	0.00	0.00	
50.00		29.37	393.58	0.00	0.00	
52.00		47.24	625.90	0.00	0.00	
53.25		29.55	388.88	0.00	0.00	
54.00		17.74	149.07	0.00	0.00	
56.00		47.55	395.62	0.00		
58.00		47.68	393.04	0.00	0.00	
60.00		47.79	390.44	0.00	0.00	
62.00		47.88	387.82		0.00	
64.00		47.95		0.00	0.00	
66.00		48.00	385.20 382.55	0.00 0.00	0.00	
68.00		48.05			0.00	
70.00		48.07	379.90 377.23	0.00	0.00	
72.00		48.08	374.55	0.00	0.00	
74.00		48.08		0.00	0.00	
76.00		48.08 48.07	371.85	0.00	0.00	
78.00		48.07 48.04	369.15	0.00	0.00	
80.00		48.00	366.43	0.00	0.00	
82.00		48.00 47.95	363.71 360.97	0.00	0.00	
84.00				0.00	0.00	
04.00		47.88	358.22	0.00	0.00	

Total Applied Force Summary

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

Site Name: Meriden Exposure: B
Height: 119.00 (ft) Crest Height: 0.00

Height	: 119.00 (ft)			Crestr	ieigni.			JOA W
Base E	lev: 1.000 (ft)			Site Cl	ass:	D - Stiff Soil		
Gh:	1.1	Тор	ography: 1	Struct	Class:	11	Page: 32	
86.00	(11) attachments	617.25	4370.03	0.00	0.00			
88.00		47.72	352.32	0.00	0.00			
90.00		47.63	349.55	0.00	0.00			
92.00		47.52	346.77	0.00	0.00			
94.00		47.41	343.98	0.00	0.00	ı		
96,00	(24) attachments	674.26	4109.15	156.41	0.00			
98.00	()	47.15	325.43	0.00	0.00)		
98.75		17.61	121.39	0.00	0.00)		
100.00		29.64	286.65	0.00	0.00)		
102.00		47.35	454.93	0.00	0.00)		
102.25		5.89	56.60	0.00	0.00)		
104.00		41.27	242.02	0.00	0.00)		
106.00	(23) attachments	921.03	5311.43	0.00	0.00)		
108.00	(20) 2	46.86	251.83	0.00	0.00)		
110.00		46.67	249.51	0.00	0.00			
112.00		46.48	247.19	0.00	0.00	1 12		
114.00		46.29	244.86	0.00	0.00)		
116.00	(34) attachments	921.38	6293.37	0.00	0.00)		
118.00	(- 1/	45.87	207.30	0.00	0.00)		
119.00		19.00	97.20	0.00	0.00	1		
	Totals:	5,740.19	41,867.49	156.41	0.00)		

Structure: CT13069-A

Code:

TIA-222-H

7/27/2023

Site Name: Meriden

Exposure:

Height:

119.00 (ft)

Crest Height: 0.00

SBA

Iterations

25

Base Elev: 1.000 (ft) Gh: 1.1

Topography: 1

Site Class: D - Stiff Soil Struct Class: II

Page: 33

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

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



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area	CaAa	D-	Cf Adjust	qz	F X	Dead Load
					(111)	(sqft)	(sqft)	Ra	Factor	(psf)	(lb)	(lb)
1.00	,	Yes	1.00	1.200	0.38	0.16	0.19	0.000	0.000	4.207	0.88	1.26
1.00	Step bolts (ladder)	Yes	1.00	1.200	0.63	0.18	0.21	0.000	0.000	4.207	0.99	2.35
1.00	1" Reinforcing plate	Yes	1.00	2.000	1.00	0.21	0.42	0.000	0.000	4.207	1.94	1.37
2.00	Safety Cable	Yes	1.00	1.200	0.38	0.16	0.20	0.000	0.000	4.207	0.90	1.33
2.00	Step bolts (ladder)	Yes	1.00	1.200	0.63	0.18	0.22	0.000	0.000	4.207	1.02	2.42
2.00	1" Reinforcing plate	Yes	1.00	2.000	1.00	0.21	0.43	0.000	0.000	4.207	1.98	1.45
4.00	Safety Cable	Yes	2.00	1.200	0.38	0.34	0.41	0.000	0.000	4.207	1.88	2.84
4.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.38	0.46	0.000	0.000	4.207	2.12	5.04
4.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.44	0.89	0.000	0.000	4.207	4.10	3.13
6.00	Safety Cable	Yes	2.00	1.200	0.38	0.35	0.42	0.000	0.000	4.207	1.94	2.97
6.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.39	0.47	0.000	0.000	4.207	2.17	5.19
6.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.45	0.90	0.000	0.000	4.207	4.18	3.29
8.00	Safety Cable	Yes	2.00	1.200	0.38	0.36	0.43	0.000	0.000	4.207	1.98	3.08
8.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.40	0.48	0.000	0.000	4.207	2.21	5.30
8.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.46	0.92	0.000	0.000	4.207	4.25	3.42
10.00	Safety Cable	Yes	2.00	1.200	0.38	0.36	0.43	0.000	0.000	4.207	2.01	3.16
10.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.40	0.48	0.000	0.000	4.207	2.24	5.39
10.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.47	0.93	0.000	0.000	4.207	4.31	3.52
12.00	Safety Cable	Yes	2.00	1.200	0.38	0.37	0.44	0.000	0.000	4.207	2.04	3.24
12.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.41	0.49	0.000	0.000	4.207	2.27	5.48
12.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.47	0.94	0.000	0.000	4.207	4.35	3.61
14.00	Safety Cable	Yes	2.00	1.200	0.38	0.37	0.45	0.000	0.000	4.207	2.06	3.30
14.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.41	0.50	0.000	0.000	4.207	2.29	5.55
14.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.47	0.95	0.000	0.000	4.207	4.39	3.69
16.00	Safety Cable	Yes	2.00	1.200	0.38	0.38	0.45	0.000	0.000	4.207	2.08	3.36
16.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.42	0.50	0.000	0.000	4.207	2.32	5.61
16.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.48	0.96	0.000	0.000	4.207	4.43	3.76
18.00	Safety Cable	Yes	2.00	1.200	0.38	0.38	0.45	0.000	0.000	4.207	2.10	3.42
18.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.42	0.50	0.000	0.000	4.207	2.33	5.67
18.00	1" Reinforcing plate	Yes	2.00	2.000	1.00	0.48	0.96	0.000	0.000	4.207	4.46	3.83
18.25	Safety Cable	Yes	0.25	1.200	0.38	0.05	0.06	0.000	0.000	4.207	0.26	0.43
18.25	Step bolts (ladder)	Yes	0.25	1.200	0.63	0.05	0.06	0.000	0.000	4.207	0.29	0.43
18.25	1" Reinforcing plate	Yes	0.25	2.000	1.00	0.06	0.12	0.000	0.000	4.207	0.56	0.48
20.00	Safety Cable	Yes	1.75	1.200	0.38	0.33	0.40	0.000	0.000	4.207	1.86	3.03
20.00	Step bolts (ladder)	Yes	1.75	1.200	0.63	0.37	0.44	0.000	0.000	4.207	2.06	5.03
20.00	1" Reinforcing plate	Yes	1.75	2.000	1.00	0.42	0.85	0.000	0.000	4.207	3.93	3.40
22.00	Safety Cable	Yes	2.00	1.200	0.38	0.38	0.46	0.000	0.000	4.207	2.14	
22.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.43	0.51	0.000	0.000			3.51 5.77
24.00	Safety Cable	Yes	2.00	1.200	0.38	0.43	0.47	0.000	0.000	4.207 4.207	2.37 2.15	5.77
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.33	0.52	0.000	0.000	4.207		3.56
	Safety Cable	Yes	2.00	1.200	0.38	0.43	0.52	0.000			2.38	5.82
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.39	0.47	0.000	0.000	4.207	2.17	3.60
	Safety Cable	Yes	2.00	1.200	0.38	0.43	0.52	0.000	0.000	4.207	2.40	5.86
	Step bolts (ladder)	Yes	2.00	1.200	0.63				0.000	4.207	2.18	3.64
	Safety Cable	Yes	2.00	1.200		0.43	0.52	0.000	0.000	4.207	2.41	5.90
	Step bolts (ladder)	Yes	2.00	1.200	0.38 0.63	0.39	0.47	0.000	0.000	4.250	2.21	3.67
	Safety Cable	Yes	2.00	1.200	0.88	0.44	0.52	0.000	0.000	4.250	2.45	5.94
	,		2.00 -iaht ⊜ 2022		0.30	0.40	0.48	0.000	0.000	4.327	2.27	3.71

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CT13069-A Structure:

Code: TIA-222-H 7/27/2023

Site Name: Meriden

Exposure:

Height:

119.00 (ft) Base Elev: 1.000 (ft)

Crest Height: 0.00 D - Stiff Soil SBA

25

Gh:

1.1

Topography: 1

Site Class: Struct Class: ||

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

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



Iterations

					Exposed			Cf			Dead	
Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Width (in)	Area (sqft)	CaAa (sqft)	Ra	Adjust Factor	qz (psf)	F X (lb)	Load (ib)
		Yes	2.00	1.200	0.63	0.44	0.53	0.000	0.000	4.327	2.50	5.98
32.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.40	0.48	0.000	0.000	4.400	2.32	3.74
34.00	Safety Cable	Yes	2.00	1.200	0.63	0.44	0.53	0.000	0.000	4.400	2.56	6.01
34.00	Step bolts (ladder)		2.00	1.200	0.38	0.40	0.48	0.000	0.000	4.470	2.36	3.7 7
36.00	Safety Cable	Yes	2.00	1.200	0.63	0.44	0.53	0.000	0.000	4.470	2.61	6.04
36.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.40	0.48	0.000	0.000	4.538	2.41	3.80
38.00	Safety Cable	Yes	2.00	1.200	0.63	0.44	0.53	0.000	0.000	4.538	2.66	6.08
38.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.40	0.48	0.000	0.000	4.603	2.45	3.83
40.00	Safety Cable	Yes	2.00	1.200	0.63	0.45	0.53	0.000	0.000	4.603	2.71	6.11
40.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.41	0.49	0.000	0.000	4.666	2.50	3.85
42.00	Safety Cable	Yes	2.00	1.200	0.63	0.45	0.54	0.000	0.000	4.666	2.76	6.14
42.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.41	0.49	0.000	0.000	4.728	2.54	3.88
44.00	Safety Cable	Yes	2.00	1.200	0.63	0.45	0.54	0.000	0.000	4.728	2.80	6.16
44.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.41	0.49	0.000	0.000	4.787	2.58	3.91
46.00	Safety Cable	Yes	2.00	1.200	0.63	0.45	0.54	0.000	0.000	4.787	2.85	6.19
46.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.41	0.49	0.000	0.000	4.844	2.62	3.93
48.00	Safety Cable	Yes	2.00	1.200	0.63	0.45	0.54	0.000	0.000	4.844	2.89	6.22
48.00	Step bolts (ladder)	Yes	0.75	1.200	0.38	0.15	0.18	0.000	0.000	4.865	0.99	1.48
48.75	Safety Cable	Yes	0.75	1.200	0.63	0.17	0.20	0.000	0.000	4.865	1.09	2.34
48.75	Step bolts (ladder)	Yes	1.25	1.200	0.38	0.26	0.31	0.000	0.000	4.900	1.66	2.47
50.00	Safety Cable	Yes	1.25	1.200	0.63	0.28	0.34	0.000	0.000	4.900	1.83	3.90
50.00	Step bolts (ladder)	Yes Yes	2.00	1.200	0.38	0.41	0.50	0.000	0.000	4.954	2.70	3.98
52.00	Safety Cable	Yes	2.00	1.200	0.63	0.45	0.55	0.000	0.000	4.954	2.97	6.27
52.00	Step bolts (ladder)		1.25	1.200	0.38	0.26	0.31	0.000	0.000	4.987	1.70	2.49
53.25	Safety Cable	Yes	1.25	1.200	0.63	0.28	0.34	0.000	0.000	4.987	1.87	3.93
53.25	Step bolts (ladder)	Yes Yes	0.75	1.200	0.38	0.16	0.19	0.000	0.000	5.006	1.03	1.50
54.00			0.75	1.200	0.63	0.17	0.21	0.000	0.000	5.006	1.13	2.36
54.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.42	0.50	0.000	0.000	5.058	2.77	4.02
56.00	Safety Cable	Yes	2.00	1.200	0.63	0.46	0.55	0.000	0.000	5.058	3.05	6.31
56.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.42	0.50	0.000	0.000	5.108	2.81	4.04
58.00	Safety Cable	Yes	2.00	1.200	0.63	0.46	0.55	0.000	0.000	5.108	3.09	6.34
58.00	Step boits (ladder)	Yes	2.00	1.200	0.38	0.42	0.50	0.000	0.000	5.157	2.84	4.06
60.00	•	Yes	2.00	1.200	0.63	0.46	0.55	0.000	0.000	5.157	3.13	6.36
60.00		Yes	2.00	1.200	0.38	0.42	0.50	0.000	0.000	5.205	2.88	4.08
62.00	-	Yes	2.00	1.200	0.63	0.46	0.55	0.000	0.000	5.205	3.16	6.38
62.00		Yes	2.00	1.200	0.38	0.42	0.50	0.000	0.000	5.251	2.91	4.10
64.00		Yes	_	1.200	0.63	0.46	0.55	0.000	0.000	5.251	3.20	6.40
64.00	•	Yes	2.00 2.00	1.200	0.38	0.42	0.51	0.000	0.000	5.297	2.94	4.12
66.00	•	Yes	2.00	1.200	0.63	0.46	0.56	0.000	0.000	5.297	3.24	6.42
66.00	•	Yes		1.200	0.38	0.42	0.51	0.000	0.000	5.342	2.98	4.14
68.00	•	Yes	2.00	1.200	0.63	0.46	0.56	0.000	0.000	5.342	3.27	6.44
68.00	•	Yes	2.00	1.200	0.38	0.42	0.51	0.000	0.000	5.385	3.01	4.16
70.00	•	Yes	2.00	1.200	0.63	0.46	0.56	0.000	0.000	5.385	3.30	6.46
70.00	•	Yes	2.00	1.200	0.03	0.42	0.51	0.000	0.000	5.428	3.04	4.17
72.00		Yes	2.00	1.200	0.58	0.42	0.56	0.000	0.000	5.428	3.34	6.48
72.00		Yes	2.00	1.200	0.03	0.47	0.51	0.000	0.000	5.470	3.07	4.19
74.00	•	Yes	2.00		0.63	0.47	0.56	0.000	0.000	5.470	3.37	6.50
74.00	Step bolts (ladder)	Yes	2.00	1.200	0.03	0.77	5.00	2.000				

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

 Site Name:
 Meriden
 Exposure:
 B

 Height:
 119.00 (ft)
 Crest Height:
 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: II

Page: 35

Iterations

SBA

Load Case: 1.2D + 1.0Di +	1.0Wi 50 mph Wind	Y
Dead Load Factor	1.20	X.X
Wind Load Factor	1.00	2,

TREAD Sarlety Cable Yes 2.00	Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
Temporary Temp	76.00	Safety Cable	Yes	2.00	1.200	0.38	0.43	0.51	0.000	0.000	5 512	3 10	4.21
TRAIN Safety Cable Yes 2.00 1.200 0.38 0.43 0.51 0.000 0.000 5.552 3.13 4.22	76.00	Step bolts (ladder)	Yes										
Step boths (adder) Yes 2.00 1.200 0.83 0.47 0.56 0.000 0.000 5.592 3.44 6.53	78.00	Safety Cable	Yes										
80.00 Safety Cable	78.00	Step bolts (ladder)											
80.00 Slep bolts (ladder) Yes 2.00 1.200 0.83 0.47 0.56 0.000 0.000 5.552 3.47 6.55 82.00 Safety Cable Yes 2.00 1.200 0.63 0.47 0.56 0.000 0.000 5.631 3.50 6.57 84.00 Safety Cable Yes 2.00 1.200 0.63 0.47 0.56 0.000 0.000 5.631 3.50 6.58 84.00 Safety Cable Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.631 3.50 6.58 85.00 Safety Cable Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.670 3.22 4.27 85.00 0.20	80.00	Safety Cable											
82.00 Safety Cable Yes 2.00 1.200 0.38 0.43 0.51 0.000 5.631 3.19 4.26 82.00 Slep bolts (ladder) Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.631 3.50 6.57 84.00 Slep bolts (ladder) Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.670 3.22 4.27 84.00 Slep bolts (ladder) Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.670 3.22 4.27 84.00 Slep bolts (ladder) Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.670 3.24 4.29 85.00 Slep bolts (ladder) Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.670 3.24 4.29 85.00 Slep bolts (ladder) Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.707 3.24 4.29 85.00 Slep bolts (ladder) Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.707 3.56 6.60 85.00 Safety Cable Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.745 3.59 6.61 90.00 Safety Cable Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.745 3.59 6.61 90.00 Safety Cable Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.745 3.59 6.61 90.00 Safety Cable Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.745 3.59 6.61 90.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.781 3.30 4.32 90.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.781 3.60 6.63 90.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.781 3.30 4.33 90.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.781 3.65 6.63 90.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.817 3.33 4.33 90.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.817 3.35 6.66 90.00 Safety Cable Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.883 3.35 4.35 90.00 Safety Cable Yes 2.00 1.200 0.38 0.43 0.55 0.000 0.000 5.883 3.35 6.66 90.00 Safety Cable Yes 2.00 1.200 0.03 0.48 0.57 0.000 0.000 5.883 3.35 4.36 90.00 Safety Cable Yes 2.00 1.200 0.03 0.48 0.57 0.000 0.000 5.883 3.35 4.36 90.00 Safety Cable Yes 2.00 1.200 0.03 0.48 0.57 0.000 0.000 5.883 3.35 1.40 2.51 100.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.44 0.52 0.000 0.000 5.985 1.22 3.73 6.89 100.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.55 0.000 0.000 5.985 1.40 2.51 1.000 0.000 5.985	80.00	Step bolts (ladder)	Yes								_		
Begin Step bolts (ladder) Yes 2,00 1,200 0,63 0,47 0,56 0,000 0,000 5,6831 3,50 6,57	82.00	Safety Cable	Yes										
84.00 Safety Cable	82.00	Step bolts (ladder)	Yes										
84.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.670 3.53 6.58 86.00 Safety Cable Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.707 3.24 4.29 88.00 Step bolts (ladder) Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.707 3.24 4.29 88.00 Step bolts (ladder) Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.707 3.56 6.60 88.00 Safety Cable Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.745 3.59 6.61 9.000 0.000 5.745 3.59 6.61 9.000 0.000 Safety Cable Yes 2.00 1.200 0.83 0.47 0.57 0.000 0.000 5.745 3.30 4.32 9.000 0.000 Safety Cable Yes 2.00 1.200 0.83 0.47 0.57 0.000 0.000 5.781 3.30 4.32 9.000 0.000 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.781 3.30 4.33 9.000 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.781 3.30 4.33 9.000 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.817 3.35 6.665 9.000 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.817 3.35 6.665 9.000 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.817 3.65 6.65 9.000 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.853 3.35 4.35 9.000 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.853 3.35 4.35 9.000 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.70 6.68 9.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.70 6.68 9.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.70 6.68 9.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.38 0.44 0.52 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.40 2.51 0.000 0.000 5.935 1.	84.00		Yes										
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88.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.707 3.56 6.60 88.00 Safety Cable Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.745 3.27 4.30 88.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.745 3.29 4.30 90.00 Safety Cable Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.781 3.60 6.61 90.00 Safety Cable Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.781 3.62 6.63 92.00 Safety Cable Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.781 3.62 6.63 92.00 Safety Cable Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.817 3.63 6.66 92.00 Safety Cable Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.817 3.63 6.66 92.00 92.00 Step bolts (ladder) Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.817 3.65 6.65 94.00 Safety Cable Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.817 3.65 6.65 94.00 Safety Cable Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.883 3.35 4.35 94.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.883 3.36 4.36 96.00 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.888 3.38 4.36 98.00 Safety Cable Yes 2.00 1.200 0.83 0.44 0.52 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.83 0.44 0.52 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.00 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.00 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.935 1.28 1.84 1.84 1.84 1.84 1.84 1.84 1.84 1.8	86.00	Safety Cable								_			
88.00 Safety Cable Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.745 3.27 4.30 8.80 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.745 3.59 6.61 9.000 Safety Cable Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.781 3.62 6.63 9.000 Safety Cable Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.781 3.62 6.63 9.000 Safety Cable Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.817 3.33 4.33 9.000 Safety Cable Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.817 3.33 4.33 9.000 Safety Cable Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.817 3.65 6.65 94.00 Safety Cable Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.817 3.65 6.65 94.00 Safety Cable Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.853 3.35 4.35 94.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.883 3.36 4.35 95.00 Safety Cable Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.883 3.36 4.35 95.00 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.888 3.38 4.36 95.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.30 4.36 95.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.922 3.40 4.37 98.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.922 3.40 4.37 98.00 Step bolts (ladder) Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.935 1.28 1.64 98.75 Step bolts (ladder) Yes 0.75 1.200 0.83 0.16 0.20 0.000 0.000 5.935 1.28 1.64 98.75 Step bolts (ladder) Yes 0.75 1.200 0.83 0.16 0.20 0.000 0.000 5.935 1.40 2.51 1.000 0.000 Safety Cable Yes 0.75 1.200 0.83 0.40 0.57 0.000 0.000 5.935 1.40 2.51 1.000 0.000 Safety Cable Yes 0.75 1.200 0.83 0.40 0.57 0.000 0.000 5.935 1.40 2.51 1.000 0.000 Safety Cable Yes 0.000 1.200 0.38 0.44 0.52 0.000 0.000 5.935 1.40 2.51 1.000 0.000 0.000 5.935 1.40 2.51 1.000 0.000 0.000 5.935 1.40 2.51 1.000 0.000 0.000 5.935 1.40 2.51 1.000 0.000 0.000 0.000 5.935 1.40 2.51 1.000 0.000 0.000 0.000 5.935 1.40 2.51 1.000 0.000 0.000 0	86.00	Step bolts (ladder)	Yes							_			
88.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.745 3.59 6.61 90.00 Safety Cable Yes 2.00 1.200 0.88 0.43 0.52 0.000 0.000 5.781 3.30 4.32 99.00 Step bolts (ladder) Yes 2.00 1.200 0.83 0.47 0.57 0.000 0.000 5.781 3.62 6.63 92.00 Safety Cable Yes 2.00 1.200 0.83 0.47 0.57 0.000 0.000 5.781 3.33 4.33 92.00 Step bolts (ladder) Yes 2.00 1.200 0.83 0.47 0.57 0.000 0.000 5.817 3.33 4.33 92.00 Step bolts (ladder) Yes 2.00 1.200 0.83 0.47 0.57 0.000 0.000 5.817 3.35 4.35 4.35 94.00 Safety Cable Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.853 3.35 4.35 4.35 94.00 Step bolts (ladder) Yes 2.00 1.200 0.83 0.43 0.52 0.000 0.000 5.853 3.35 4.35 94.00 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.888 3.38 4.36 98.00 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.888 3.370 6.66 98.00 Step bolts (ladder) Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.922 3.40 4.37 98.00 Step bolts (ladder) Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 0.75 1.200 0.83 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 0.75 1.200 0.83 0.48 0.57 0.000 0.000 5.935 1.28 1.64 98.75 Safety Cable Yes 0.75 1.200 0.83 0.48 0.57 0.000 0.000 5.935 1.28 1.64 98.75 Safety Cable Yes 0.75 1.200 0.83 0.48 0.57 0.000 0.000 5.935 1.28 1.64 98.75 Safety Cable Yes 0.75 1.200 0.83 0.48 0.57 0.000 0.000 5.935 1.24 2.74 100.00 Safety Cable Yes 0.75 1.200 0.83 0.48 0.57 0.000 0.000 5.935 1.24 2.74 100.00 Safety Cable Yes 0.75 1.200 0.83 0.48 0.57 0.000 0.000 5.985 3.45 4.40 10.00 Safety Cable Yes 0.75 1.200 0.83 0.48 0.57 0.000 0.000 5.985 3.78 6.72 1.20 1.20 0.83 0.48 0.57 0.000 0.000 5.985 3.78 6.72 1.20 1.20 0.83 0.48 0.57 0.000 0.000 5.985 3.78 6.72 1.20 0.20 0.20 0.20 0.20 0.20 0.20 0.2	88.00		Yes										
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92.00 Safety Cable Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.817 3.33 4.33 92.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.817 3.35 6.65 6.65 94.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.853 3.35 4.35 94.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.853 3.35 4.35 94.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.868 3.36 7 6.66 95.00 Safety Cable Yes 2.00 1.200 0.88 0.43 0.52 0.000 0.000 5.868 3.38 4.36 98.00 Safety Cable Yes 2.00 1.200 0.80 0.48 0.57 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.80 0.48 0.57 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.80 0.48 0.57 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.80 0.48 0.57 0.000 0.000 5.822 3.40 4.37 98.00 Safety Cable Yes 2.00 1.200 0.83 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 0.75 1.200 0.83 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 0.75 1.200 0.83 0.16 0.20 0.000 0.000 5.935 1.28 1.64 98.75 Safety Cable Yes 0.75 1.200 0.63 0.18 0.21 0.000 0.000 5.935 1.28 1.64 98.75 Safety Cable Yes 1.25 1.200 0.63 0.18 0.21 0.000 0.000 5.935 1.40 2.51 100.00 Safety Cable Yes 1.25 1.200 0.38 0.44 0.52 0.000 0.000 5.956 2.14 2.74 100.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.956 2.35 4.19 100.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.45 4.40 100.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.45 4.40 100.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.45 4.40 100.00 Safety Cable Yes 0.25 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.45 4.40 100.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.45 4.40 100.00 Safety Cable Yes 0.25 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.45 6.72 100.00 Safety Cable Yes 1.75 1.200 0.63 0.48 0.53 0.000 0.000 6.000 5.994 0.43 0.55 100.00 Safety Cable Yes 1.75 1.200 0.63 0.48 0.59 0.000 0.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000	90.00	Step bolts (ladder)	Yes	2.00									
92.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.47 0.57 0.000 0.000 5.817 3.65 6.65 94.00 Safety Cable Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.853 3.35 4.35 95.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.853 3.67 6.66 96.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.38 4.36 95.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.38 4.36 95.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.73 6.69 98.07 5.000 0.000 0.000 5.888 3.70 6.88 98.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.922 3.40 4.37 98.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 0.75 1.200 0.63 0.48 0.57 0.000 0.000 5.935 1.28 1.64 98.75 Safety Cable Yes 0.75 1.200 0.63 0.48 0.57 0.000 0.000 5.935 1.28 1.64 1.64 1.64 1.64 1.64 1.64 1.64 1.64	92.00	Safety Cable	Yes										
94.00 Safety Cable Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.853 3.35 4.35 94.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.853 3.35 4.35 94.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.38 4.36 96.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.38 4.36 98.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.922 3.40 4.37 98.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 0.75 1.200 0.63 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 0.75 1.200 0.63 0.48 0.57 0.000 0.000 5.935 1.28 1.64 98.75 Safety Cable Yes 0.75 1.200 0.63 0.48 0.57 0.000 0.000 5.935 1.28 1.64 98.75 Safety Cable Yes 1.25 1.200 0.63 0.18 0.21 0.000 0.000 5.935 1.40 2.51 100.00 Safety Cable Yes 1.25 1.200 0.63 0.38 0.27 0.33 0.000 0.000 5.955 1.40 2.51 100.00 Safety Cable Yes 1.25 1.200 0.63 0.38 0.27 0.33 0.000 0.000 5.956 2.14 2.74 100.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.956 2.35 4.19 102.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.956 2.35 4.19 102.25 Safety Cable Yes 0.25 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.45 4.40 102.00 Safety Cable Yes 0.25 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.45 4.40 102.00 Safety Cable Yes 0.25 1.200 0.63 0.48 0.57 0.000 0.000 5.994 0.43 0.55 102.25 Safety Cable Yes 0.25 1.200 0.63 0.48 0.57 0.000 0.000 5.994 0.47 0.84 104.00 Safety Cable Yes 0.25 1.200 0.63 0.48 0.57 0.000 0.000 5.994 0.47 0.84 104.00 Safety Cable Yes 0.25 1.200 0.63 0.48 0.59 0.000 0.000 6.022 3.04 3.86 104.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.055 3.50 4.43 106.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.055 3.50 4.43 106.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.055 3.50 4.45 100.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.055 3.50 4.45 100.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.57 4.4	92.00	Step bolts (ladder)	Yes	2.00									
94.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.853 3.67 6.86 96.00 Safety Cable Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.888 3.38 4.36 96.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.44 0.52 0.000 0.000 5.888 3.70 6.88 98.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.52 0.000 0.000 5.922 3.40 4.37 98.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.44 0.52 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 0.75 1.200 0.38 0.16 0.20 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 0.75 1.200 0.38 0.16 0.20 0.000 0.000 5.935 1.28 1.64 98.75 Safety Cable Yes 0.75 1.200 0.38 0.18 0.21 0.000 0.000 5.935 1.28 1.64 98.75 Safety Cable Yes 0.75 1.200 0.38 0.18 0.21 0.000 0.000 5.935 1.28 1.64 98.75 Safety Cable Yes 1.25 1.200 0.38 0.18 0.21 0.000 0.000 5.935 1.28 1.64 98.75 Safety Cable Yes 1.25 1.200 0.38 0.79 0.33 0.000 0.000 5.935 1.40 2.51 100.00 Safety Cable Yes 1.25 1.200 0.38 0.79 0.33 0.000 0.000 5.935 1.40 2.51 100.00 Safety Cable Yes 2.00 1.200 0.63 0.30 0.36 0.000 0.000 5.956 2.14 2.74 100.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.956 2.35 4.19 102.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.52 0.000 0.000 5.989 3.45 4.40 102.00 Safety Cable Yes 0.25 1.200 0.38 0.44 0.52 0.000 0.000 5.989 3.78 6.72 102.25 Safety Cable Yes 0.25 1.200 0.38 0.05 0.07 0.000 0.000 5.989 3.78 6.72 102.25 Safety Cable Yes 0.25 1.200 0.38 0.44 0.52 0.000 0.000 5.994 0.43 0.55 102.25 Safety Cable Yes 0.25 1.200 0.38 0.44 0.52 0.000 0.000 5.994 0.47 0.84 104.00 Safety Cable Yes 0.25 1.200 0.38 0.44 0.53 0.000 0.000 6.022 3.33 5.89 106.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.055 3.50 4.43 106.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.055 3.50 4.43 106.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.055 3.84 6.75 102.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.055 3.84 6.75 102.00 Safety Cable Yes 2.00 1.200 0.038 0.44 0.53 0.000 0.000 6.055 3.84 6.75 102.00 Safety Cable Yes 2.00 1.200 0.038 0.44 0.53 0.000 0.000 6.055 3.84 6.76 102.00	94.00	Safety Cable	Yes	2.00	1.200								
96.00 Safety Cable Yes 2.00 1.200 0.38 0.43 0.52 0.000 0.000 5.888 3.38 4.36 96.00 Step botts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.70 6.68 3.70 6.68 3.70 0.000 0.000 5.888 3.70 6.68 3.70 0.000 0.000 5.800 0.000 5.902 3.70 6.69 98.70 Step botts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.922 3.70 6.69 98.75 Safety Cable Yes 0.75 1.200 0.63 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Step botts (ladder) Yes 0.75 1.200 0.63 0.48 0.57 0.000 0.000 5.935 1.28 1.64 98.75 Step botts (ladder) Yes 0.75 1.200 0.63 0.18 0.21 0.000 0.000 5.935 1.20 1.20 1.00 0.00 0.000 0.000 5.935 1.20 1.20 1.00 0.00 0.000 0.000 5.935 1.40 2.51 1.00 0.00 0.000 0.000 0.000 5.935 1.40 2.51 1.00 0.00 0.000 0.000 0.000 5.935 1.40 2.51 1.00 0.00 0.000 0.000 0.000 5.956 2.14 2.74 1.00 0.00 0.000 0.000 0.000 5.956 2.14 2.74 1.00 0.00 0.000	94.00	Step bolts (ladder)	Yes	2.00									
96.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.888 3.70 6.68 98.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.52 0.000 0.000 5.922 3.40 4.37 98.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 0.75 1.200 0.63 0.48 0.57 0.000 0.000 5.932 3.73 6.69 98.75 Safety Cable Yes 0.75 1.200 0.63 0.18 0.21 0.000 0.000 5.935 1.28 1.64 98.75 Step bolts (ladder) Yes 1.25 1.200 0.63 0.18 0.21 0.000 0.000 5.935 1.28 1.64 98.75 Step bolts (ladder) Yes 1.25 1.200 0.63 0.18 0.27 0.33 0.000 0.000 5.935 1.40 2.51 1.000 Safety Cable Yes 1.25 1.200 0.63 0.30 0.36 0.000 0.000 5.956 2.14 2.74 1.000 Safety Cable Yes 2.00 1.200 0.63 0.30 0.36 0.000 0.000 5.956 2.35 4.19 1.000 0.000 Safety Cable Yes 2.00 1.200 0.63 0.44 0.52 0.000 0.000 5.989 3.78 6.72 1.000 Safety Cable Yes 0.25 1.200 0.63 0.44 0.52 0.000 0.000 5.989 3.78 6.72 1.000 0.000 Safety Cable Yes 0.25 1.200 0.63 0.44 0.57 0.000 0.000 5.989 3.78 6.72 1.000 0.000 Safety Cable Yes 0.25 1.200 0.38 0.05 0.07 0.000 0.000 5.989 3.78 6.72 1.000 0.000 Safety Cable Yes 0.25 1.200 0.38 0.06 0.07 0.000 0.000 5.994 0.43 0.55 1.000 0.000 Safety Cable Yes 0.25 1.200 0.63 0.48 0.57 0.000 0.000 5.994 0.43 0.55 1.000 0.000 Safety Cable Yes 1.75 1.200 0.38 0.38 0.44 0.50 0.000 0.000 5.994 0.47 0.84 1.000 0.000 0.000 0.000 5.994 0.47 0.84 1.000 0.00	96.00	Safety Cable	Yes	2.00	1,200								
98.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.52 0.000 0.000 5.922 3.40 4.37 98.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 0.75 1.200 0.38 0.16 0.20 0.000 0.000 5.935 1.28 1.64 2.51 1.00 0.000 0.000 0.000 5.935 1.28 1.64 2.51 1.000 0.000 0.000 0.000 5.935 1.28 1.64 2.74 1.000 0.000 0.000 0.000 5.935 1.28 1.64 2.74 1.000 0.000 0.000 0.000 5.935 1.28 1.64 2.74 1.000 0.000 0.000 0.000 5.935 1.28 1.64 2.74 1.000 0.000 0.000 0.000 5.935 1.28 1.64 2.74 1.000 0.000 0.000 0.000 5.935 1.40 2.51 1.000 0.000 0.000 0.000 5.935 1.40 2.51 1.000 0.000 0.000 0.000 5.935 1.40 2.51 1.000 0.000 0.000 0.000 5.935 1.40 2.51 1.000 0.000 0.000 0.000 0.000 5.935 1.40 2.51 1.000 0.000 0.000 0.000 0.000 5.935 1.40 2.51 1.000 0.000 0.000 0.000 0.000 5.935 1.40 2.51 1.000 0.000	96.00	Step bolts (ladder)	Yes	2.00	1.200								
98.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.922 3.73 6.69 98.75 Safety Cable Yes 0.75 1.200 0.38 0.16 0.20 0.000 0.000 5.935 1.28 1.64 98.75 Step bolts (ladder) Yes 0.75 1.200 0.63 0.18 0.21 0.000 0.000 5.935 1.28 1.64 2.51 1.000 0.000 Safety Cable Yes 1.25 1.200 0.63 0.18 0.21 0.000 0.000 5.935 1.40 2.51 1.000 0.000 Safety Cable Yes 1.25 1.200 0.63 0.30 0.36 0.000 0.000 5.956 2.14 2.74 1.000 0.000 Safety Cable Yes 2.00 1.200 0.63 0.30 0.36 0.000 0.000 5.956 2.35 4.19 1.000 0.000 Safety Cable Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.45 4.40 1.000 0.000 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.78 6.72 1.000 0.000 Step bolts (ladder) Yes 0.25 1.200 0.38 0.05 0.07 0.000 0.000 5.994 0.43 0.55 1.000 0.000 Safety Cable Yes 0.25 1.200 0.63 0.06 0.07 0.000 0.000 5.994 0.43 0.55 1.000 0.000 Safety Cable Yes 1.75 1.200 0.63 0.06 0.07 0.000 0.000 5.994 0.47 0.84 1.000 0.000 0.000 5.994 0.47 0.84 1.000 0.000 0.000 0.000 5.994 0.47 0.84 1.000 0.000 0.000 0.000 5.994 0.47 0.84 1.000 0.000 0.000 0.000 5.994 0.47 0.84 1.000 0.00	98.00	Safety Cable	Yes	2.00	1.200	0.38	0.44						
98.75 Safety Cable Yes 0.75 1.200 0.38 0.16 0.20 0.000 0.000 5.935 1.28 1.64 98.75 Step bolts (ladder) Yes 0.75 1.200 0.63 0.18 0.21 0.000 0.000 5.935 1.40 2.51 100.00 Safety Cable Yes 1.25 1.200 0.38 0.27 0.33 0.000 0.000 5.956 2.14 2.74 100.00 Step bolts (ladder) Yes 1.25 1.200 0.63 0.30 0.36 0.000 0.000 5.956 2.35 4.19 102.00 Safety Cable Yes 2.00 1.200 0.63 0.30 0.36 0.000 0.000 5.956 2.35 4.19 102.00 Safety Cable Yes 2.00 1.200 0.63 0.44 0.52 0.000 0.000 5.989 3.45 4.40 102.00 Safety Cable Yes 0.25 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.45 4.40 102.00 Safety Cable Yes 0.25 1.200 0.38 0.05 0.07 0.000 0.000 5.989 3.78 6.72 102.25 Safety Cable Yes 0.25 1.200 0.38 0.05 0.07 0.000 0.000 5.984 0.43 0.55 102.25 Step bolts (ladder) Yes 0.25 1.200 0.63 0.06 0.07 0.000 0.000 5.994 0.43 0.55 102.25 Step bolts (ladder) Yes 0.25 1.200 0.63 0.06 0.07 0.000 0.000 5.994 0.47 0.84 104.00 Safety Cable Yes 1.75 1.200 0.63 0.06 0.07 0.000 0.000 5.994 0.47 0.84 104.00 Safety Cable Yes 1.75 1.200 0.63 0.42 0.50 0.000 0.000 6.022 3.04 3.86 104.00 Safety Cable Yes 2.00 1.200 0.63 0.44 0.53 0.000 0.000 6.022 3.33 5.89 106.00 Safety Cable Yes 2.00 1.200 0.63 0.44 0.53 0.000 0.000 6.055 3.50 4.43 106.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.53 4.44 108.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.53 4.44 108.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.53 4.44 108.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.55 4.45 110.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.119 3.89 6.77 112.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.57 4.46 112.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.57 4.46 112.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.57 4.46 112.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.57 4.46 112.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.57 4.46 112.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6	98.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.48						
98.75 Step bolts (ladder) Yes 0.75 1.200 0.63 0.18 0.21 0.000 0.000 5.935 1.40 2.51 100.00 Safety Cable Yes 1.25 1.200 0.38 0.27 0.33 0.000 0.000 5.956 2.14 2.74 100.00 Step bolts (ladder) Yes 1.25 1.200 0.63 0.30 0.36 0.000 0.000 5.956 2.35 4.19 102.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.52 0.000 0.000 5.956 2.35 4.19 102.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.44 0.57 0.000 0.000 5.989 3.45 4.40 102.02 Safety Cable Yes 0.25 1.200 0.38 0.05 0.07 0.000 0.000 5.989 3.78 6.72 102.25 Safety Cable Yes 0.25 1.200 0.38 0.05 0.07 0.000 0.000 5.994 0.43 0.55 102.25 Step bolts (ladder) Yes 0.25 1.200 0.63 0.06 0.07 0.000 0.000 5.994 0.43 0.55 102.25 Step bolts (ladder) Yes 0.25 1.200 0.63 0.06 0.07 0.000 0.000 5.994 0.47 0.84 104.00 Safety Cable Yes 1.75 1.200 0.38 0.38 0.38 0.46 0.000 0.000 6.022 3.04 3.86 104.00 Step bolts (ladder) Yes 1.75 1.200 0.63 0.42 0.50 0.000 0.000 6.022 3.33 5.89 106.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.022 3.33 5.89 106.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.055 3.50 4.43 106.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.055 3.50 4.43 106.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.087 3.53 4.44 108.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.087 3.53 4.44 108.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.087 3.53 4.44 108.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.087 3.53 4.45 112.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.119 3.55 4.45 112.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.119 3.89 6.77 112.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.57 4.46 112.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.57 4.46 112.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.181 3.94 6.80 114.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.181 3.94 6.80 114.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48	98.75	Safety Cable	Yes	0.75	1.200	0.38	0.16						
100.00 Safety Cable Yes 1.25 1.200 0.38 0.27 0.33 0.000 0.000 5.956 2.14 2.74 100.00 Step bolts (ladder) Yes 1.25 1.200 0.63 0.30 0.36 0.000 0.000 5.956 2.35 4.19 102.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.44 0.52 0.000 0.000 5.989 3.45 4.40 102.02 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.78 6.72 102.25 Safety Cable Yes 0.25 1.200 0.38 0.05 0.07 0.000 0.000 5.994 0.43 0.55 102.25 Step bolts (ladder) Yes 0.25 1.200 0.38 0.38 0.46 0.000 0.000 6.022 3.04 3.86 104.00 Step bolts (ladder) Yes 2.00<	98.75	Step bolts (ladder)	Yes	0.75	1.200	0.63	0.18						
100.00 Step bolts (ladder) Yes 1.25 1.200 0.63 0.30 0.36 0.000 0.000 5.956 2.35 4.19 102.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.52 0.000 0.000 5.989 3.45 4.40 102.02 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.78 6.72 102.25 Safety Cable Yes 0.25 1.200 0.38 0.05 0.07 0.000 0.000 5.994 0.43 0.55 102.25 Step bolts (ladder) Yes 0.25 1.200 0.63 0.06 0.07 0.000 0.000 5.994 0.47 0.84 104.00 Safety Cable Yes 1.75 1.200 0.63 0.42 0.50 0.000 0.000 6.022 3.04 3.86 104.00 Step bolts (ladder) Yes 2.00	100.00	Safety Cable	Yes	1.25	1.200	0.38	0.27	0.33	0.000	0.000			
102.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.52 0.000 0.000 5.989 3.45 4.40 102.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.78 6.72 102.25 Safety Cable Yes 0.25 1.200 0.38 0.05 0.07 0.000 0.000 5.994 0.43 0.55 102.25 Step bolts (ladder) Yes 0.25 1.200 0.63 0.06 0.07 0.000 0.000 5.994 0.47 0.84 104.00 Safety Cable Yes 1.75 1.200 0.38 0.38 0.46 0.000 0.000 6.022 3.04 3.86 104.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.42 0.50 0.000 0.000 6.022 3.33 5.89 106.00 Step bolts (ladder) Yes 2.00	100.00	Step bolts (ladder)	Yes	1.25	1.200	0.63	0.30		0.000				
102.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.57 0.000 0.000 5.989 3.78 6.72 102.25 Safety Cable Yes 0.25 1.200 0.38 0.05 0.07 0.000 0.000 5.994 0.43 0.55 102.25 Step bolts (ladder) Yes 0.25 1.200 0.63 0.06 0.07 0.000 0.000 5.994 0.47 0.84 104.00 Safety Cable Yes 1.75 1.200 0.38 0.38 0.46 0.000 0.000 6.022 3.04 3.86 104.00 Step bolts (ladder) Yes 1.75 1.200 0.63 0.42 0.50 0.000 0.000 6.022 3.04 3.86 106.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.055 3.50 4.43 106.00 Step bolts (ladder) Yes 2.00		Safety Cable	Yes	2.00	1.200	0.38	0.44	0.52	0.000	0.000			
102.25 Safety Cable Yes 0.25 1.200 0.38 0.05 0.07 0.000 0.000 5.994 0.43 0.55 102.25 Step bolts (ladder) Yes 0.25 1.200 0.63 0.06 0.07 0.000 0.000 5.994 0.47 0.84 104.00 Safety Cable Yes 1.75 1.200 0.38 0.38 0.46 0.000 0.000 6.022 3.04 3.86 104.00 Step bolts (ladder) Yes 1.75 1.200 0.63 0.42 0.50 0.000 0.000 6.022 3.33 5.89 106.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.055 3.50 4.43 106.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.055 3.84 6.75 108.00 Step bolts (ladder) Yes 2.00		Step bolts (ladder)	Yes	2.00	1.200	0.63	0.48	0.57	0.000	0.000	5.989		
102.25 Step bolts (ladder) Yes 0.25 1.200 0.63 0.06 0.07 0.000 0.000 5.994 0.47 0.84 104.00 Safety Cable Yes 1.75 1.200 0.38 0.38 0.46 0.000 0.000 6.022 3.04 3.86 104.00 Step bolts (ladder) Yes 1.75 1.200 0.63 0.42 0.50 0.000 0.000 6.022 3.33 5.89 106.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.055 3.50 4.43 106.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.055 3.84 6.75 108.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.055 3.84 6.75 108.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.53 4.44 108.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.86 6.76 110.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.087 3.86 6.76 110.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.119 3.55 4.45 110.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.119 3.89 6.77 112.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.119 3.89 6.77 112.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.150 3.57 4.46 112.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.57 4.46 112.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.91 6.79 114.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.181 3.60 4.48 114.00 Step bolts (ladder) Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.181 3.94 6.80		Safety Cable	Yes	0.25	1.200	0.38	0.05	0.07	0.000	0.000			
104.00 Safety Cable Yes 1.75 1.200 0.38 0.38 0.46 0.000 0.000 6.022 3.04 3.86 104.00 Step bolts (ladder) Yes 1.75 1.200 0.63 0.42 0.50 0.000 0.000 6.022 3.33 5.89 106.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.055 3.50 4.43 106.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.055 3.50 4.43 108.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.087 3.53 4.44 108.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.86 6.76 110.00 Safety Cable Yes 2.00 <			Yes	0.25	1.200	0.63	0.06	0.07	0.000	0.000			
104.00 Step bolts (ladder) Yes 1.75 1.200 0.63 0.42 0.50 0.000 0.000 6.022 3.33 5.89 106.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.055 3.50 4.43 106.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.055 3.84 6.75 108.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.087 3.53 4.44 108.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.53 4.44 108.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.86 6.76 110.00 Safety Cable Yes 2.00 1.20		Safety Cable	Yes	1.75	1.200	0.38	0.38	0.46	0.000	0.000	6.022		
106.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.055 3.50 4.43 106.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.055 3.84 6.75 108.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.087 3.53 4.44 108.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.53 4.44 108.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.86 6.76 110.00 Safety Cable Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.119 3.55 4.45 112.00 Safety Cable Yes 2.00 1.20			Yes	1.75	1.200	0.63	0.42	0.50	0.000	0.000			
106.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.055 3.84 6.75 108.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.087 3.53 4.44 108.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.86 6.76 110.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.119 3.55 4.45 110.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.119 3.89 6.77 112.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.150 3.57 4.46 112.00 Step bolts (ladder) Yes 2.00		-	Yes	2.00	1.200	0.38	0.44	0.53	0.000	0.000	6.055	3.50	
108.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.86 6.76 110.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.119 3.55 4.45 110.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.119 3.89 6.77 112.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.150 3.57 4.46 112.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.57 4.46 112.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.91 6.79 114.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.181 3.60 4.48 114.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.181 3.94 6.80		,	_	2.00	1.200	0.63	0.48	0.58	0.000	0.000	6.055	3.84	6.75
108.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.087 3.86 6.76 110.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.119 3.55 4.45 110.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.119 3.89 6.77 112.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.150 3.57 4.46 112.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.91 6.79 114.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.181 3.60 4.48 114.00 Step bolts (ladder) Yes 2.00		•	Yes	2.00	1.200	0.38	0.44	0.53	0.000	0.000	6.087	3.53	4.44
110.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.119 3.55 4.45 110.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.119 3.89 6.77 112.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.150 3.57 4.46 112.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.91 6.79 114.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.181 3.60 4.48 114.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.181 3.94 6.80		. ,	Yes	2.00	1.200	0.63	0.48	0.58	0.000	0.000	6.087	3.86	
110.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.119 3.89 6.77 112.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.150 3.57 4.46 112.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.91 6.79 114.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.181 3.60 4.48 114.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.181 3.94 6.80		Safety Cable	Yes	2.00	1.200	0.38	0.44	0.53	0.000	0.000	6.119	3.55	
112.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.150 3.57 4.46 112.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.91 6.79 114.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.181 3.60 4.48 114.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.181 3.94 6.80			Yes	2.00	1.200	0.63	0.48	0.58	0.000	0.000	6.119	3.89	
112.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.150 3.91 6.79 114.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.181 3.60 4.48 114.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.181 3.94 6.80		•	Yes	2.00	1.200	0.38	0.44	0.53	0.000	0.000	6.150		
114.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.181 3.60 4.48 114.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.181 3.94 6.80				2.00	1.200	0.63	0.48	0.58	0.000	0.000			
114.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.181 3.94 6.80		•			1.200	0.38	0.44	0.53	0.000	0.000	6.181		
116.00 Safety Cable Van 0.00 4.000 0.00						0.63	0.48	0.58	0.000	0.000	6.181	3.94	
2.00 1.200 0.00 0.44 0.00 0.000 0.211 3.62 4.49		Safety Cable	Yes	2.00	1.200	0.38	0.44	0.53	0.000	0.000	6.211	3.62	4.49
116.00 Step bolts (ladder) Yes 2.00 1.200 0.63 0.48 0.58 0.000 0.000 6.211 3.96 6.81						0.63	0.48	0.58	0.000	0.000	6.211	3.96	
118.00 Safety Cable Yes 2.00 1.200 0.38 0.44 0.53 0.000 0.000 6.242 3.64 4.50	118.00	Sarety Cable	Yes	2.00	1.200	0.38	0.44	0.53	0.000	0.000	6.242	3.64	4.50

Structure: CT13069-A Site Name: Meriden

Code:

TIA-222-H Exposure: В

7/27/2023

Height:

119.00 (ft) Base Elev: 1.000 (ft)

Crest Height: 0.00

SBA

Gh:

1.1

Topography: 1

D - Stiff Soil Site Class: Struct Class: II

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

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

Iterations

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
		Vaa	2.00	1,200	0.63	0.48	0.58	0.000	0.000	6.242	3.99	6.82
118.00	Step bolts (ladder)	Yes	2.00	1.200	0.00				To	tals:	388.8	635.4

Structure: CT13069-A

Code:

TIA-222-H

7/27/2023

Site Name: Meriden

Exposure:

В

Height: 119.00 (ft)

Crest Height: 0.00

SBA

Base Elev: 1.000 (ft)

Gh:

1.1

Topography: 1

Site Class: D - Stiff Soil Struct Class: ||

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

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



Iterations

Seg Elev	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	Mu	Resultant	phi	phi	phi	phi	Total		Rotation	
(ft)	(kips)			(ft-kips)	(ft-kins)	Moment (ft-kips)	Pn (kine)	Vn (kina)	Tn (6 bins)	Mn	Deflect	Sway	Twist	Stress
0.00	-41.87	-5.74	-0.16	-508.41	0.00	508.41	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
1.00	-41.65	-5.73	-0.16	-502.67	0.00	502.67	2063.18 2059.52	598.93	2137.28	1829.55	0.00	0.000	0.000	0.250
2.00	-41.42	-5.72	-0.16	-496.94	0.00	496.94	2055.83	596.68	2121.21	1819.38	0.00	-0.015	0.000	0.207
4.00	-40.98	-5.69	-0.16	-485.50	0.00	485.50	2033.83	594.42 589.91	2105.21 2073.38	1809.22	0.01	-0.028	0.000	0.205
6.00	-40.53	-5 .65	-0.16	-474.13	0.00	474.13	2040.76	585.40	2073.38	1788.88 1768.54	0.02	-0.053	0.000	0.202
8.00	-40.09	-5.62	-0.16	-462.82	0.00	462.82	2033.04	580.89	2041.79		0.05	-0.078	0.000	0.199
10.00	-39.64	-5.59	-0.16	-451.58	0.00	451.58	2025.20	576.38	1979.33	1748.19 1727.84	0.09	-0.103	0.000	0.196
12.00	-39.20	-5.55	-0.16	-440.41	0.00	440.41	2017.23	571.87	1948.47	1707.49	0.14	-0.127	0.000	0.193
14.00	-38.75	-5.52	-0.16	-429.30	0.00	429.30	2009.13	567.35	1917.85	1687.14	0.20	-0.152	0.000	0.191
16.00	-38.31	-5.49	-0.16	-418.26	0.00	418.26	2009.13	562.84	1887.48		0.27	-0.177	0.000	0.188
18.00	-37.87	-5.44	-0.16	-407.29	0.00	407.29	1992.57	558.33	1857.34	1666.80	0.34	-0.201	0.000	0.185
18.25	-37.82	-5.45	-0.16	-405.93	0.00	405.93	1991.52	557.77	1853.59	1646.46	0.43	-0.226	0.000	0.181
18.25	-37.82	-5.45	-0.16	-405.93	0.00	405.93	1991.52	557.77	1853.59	1643.92 1643.92	0.45	-0.229	0.000	0.181
20.00	-37.43	-5.42	-0.16	-396.40	0.00	396.40	1984.11	553.82	1827.45	1626.14	0.45	-0.229	0.000	0.181
22.00	-37.00	-5.40	-0.16	-385.56	0.00	385.56	1975.52	549.31	1797.80	1605.83	0.53	-0.250	0.000	0.263
24.00	-36.57	-5.37	-0.16	-374.76	0.00	374.76	1966.80	544.80	1768.39	1585.53	0.65	-0.285	0.000	0.259
26.00	-36.14	-5.35	-0.16	-364.01	0.00	364.01	1957.96	540.29	1739.23	1565.35	0.77 0.91	-0.320	0.000	0.255
28.00	-35.71	-5.33	-0.16	-353.31	0.00	353.31	1948.99	535.78	1710.31	1544.99		-0.355	0.000	0.251
30.00	-35.28	-5.30	-0.16	-342.66	0.00	342.66	1939.91	531.27	1681.63	1524.76	1.07 1.24	-0.390	0.000	0.247
32.00	-34.86	-5.28	-0.16	-332.05	0.00	332.05	1930.69	526.75	1653.19	1504.55	1.43	-0.425	0.000	0.243
34.00	-34.44	-5.25	-0.16	-321.50	0.00	321.50	1921.36	522.24	1624.99	1484.36	1.43	-0.459	0.000	0.239
36.00	-34.02	-5.22	-0.16	-311.01	0.00	311.01	1911.89	517.73	1597.04	1464.21		-0.493	0.000	0.235
38.00	-33.61	-5.19	-0.16	-300.56	0.00	300.56	1902.31	513.22	1569.33	1444.09	1.84 2.07	-0.528	0.000	0.230
40.00	-33.19	-5.16	-0.16	-290.18	0.00	290.18	1892.60	508.71	1541.86	1424.00	2.31	-0.561 -0.595	0.000	0.226
42.00	-32.78	-5.13	-0.16	-279.86	0.00	279.86	1882.76	504.20	1514.64	1403.96	2.57	-0.628	0.000	0.221
44.00	-32.37	-5.10	-0.16	-269.60	0.00	269.60	1872.80	499.69	1487.66	1383.95	2.84	-0.661	0.000 0.000	0.217
46.00	-31.97	-5.07	-0.16	-259.40	0.00	259.40	1862.72	495.18	1460.92	1363.99	3.12	-0.693	0.000	0.212 0.207
48.00	-31.56	-5.03	-0.16	-249.27	0.00	249.27	1852.51	490.67	1434.42	1344.07	3.42	-0.725	0.000	0.207
48.75	-31.41	-5.02	-0.16	-245.50	0.00	245.50	1848.65	488.97	1424.55	1336.61	3.54	-0.723	0.000	0.203
50.00	-31.02	-5.00	-0.16	-239.23	0.00	239.23	1842.18	486.15	1408.17	1324.20	3.73	-0.757	0.000	0.201
52.00	-30.39	-4.95	-0.16	-229.24	0.00	229.24	1831.72	481.64	1382.15	1304.37	4.06	-0.789	0.000	0.190
53.25	-30.00	-4.93	-0.16	-223.05	0.00	223.05	1841.33	485.79	1406.04	1322.58	4.26	-0.708	0.000	0.192
54.00	-29.85	-4.92	-0.16	-219.35	0.00	219.35	1837.42	484.09	1396.26	1315.14	4.39	-0.820	0.000	0.183
56.00	-29.45	-4.88	-0.16	-209.52	0.00	209.52	1826.91	479.58	1370.36	1295.34	4.74	-0.849	0.000	0.163
58.00	-29.06	-4.84	-0.16	-199.76	0.00	199.76	1816.27	475.07	1344.70	1275.60	5.10	-0.877	0.000	0.178
60.00	-28.67	-4.80	-0.16	-190.08	0.00	190.08	1805.51	470.56	1319.28	1255.91	5.48	-0.905	0.000	0.173
62.00	-28.28	-4.76	-0.16	-180.48	0.00	180.48	1794.62	466.05	1294.11	1236.28	5.86	-0.932	-0.001	0.162
64.00	-27.89	-4.72	-0.16	-170.97	0.00	170.97	1783.61	461.54	1269.18	1216.72	6.26	-0.959	-0.001	0.156
66.00	-27.51	-4.68	-0.16	-161.53	0.00	161.53	1772.48	457.03	1244.49	1197.22	6.67	-0.985	-0.001	0.150
68.00	-27.13	-4.63		-152.18	0.00	152.18	1761.22		1220.04	1177.78	7.08	-1.010	-0.001	0.131
70.00	-26.75	-4.59	-0.16	-142.92	0.00	142.92	1749.83			1158.41	7.51	-1.034	-0.001	0.145
72.00	-26.37	-4.54	-0.16	-133.74	0.00	133.74	1738.33			1139.12	7.95	-1.058	-0.001	0.133
	-26.00	-4.50	-0.16	-124.65	0.00	124.65	1726.69			1119.90	8.40	-1.080	-0.001	0.133
76.00	-25.63	-4.45	-0.16	-115.65	0.00	115.65	1714.94		1124.68		8.86	-1.102	-0.001	0.120
78.00	-25.26	-4.41	-0.16	-106.75	0.00	106.75	1703.06		1101.45		9.32	-1.102	-0.001	0.120
	-24.90	-4.36	-0.16	-97.93	0.00	97.93	1691.05			1062.70	9.80	-1.123	-0.001	0.114
82.00	-24.54	-4.31	-0.16	-89.21	0.00	89.21	1678.92	420.94		1043.80	10.28	-1.161	-0.001	0.107
84.00	-24.18	-4.27	-0.16	-80.58	0.00								0.001	J. 100

SBA

7/27/2023 TIA-222-H Code: Structure: CT13069-A

Exposure: Site Name: Meriden Crest Height: 0.00 119.00 (ft) Height:

D - Stiff Soil Site Class: Base Elev: 1.000 (ft)

		,	•		01 -1 01 11							00			
Gh:		1.1		Тор	ography:	1		Struct Clas	ss: II			Pag	ge: 38		
		_	0.46	-72.05	0.00		72.05	1654.29	411.92	1010.94	1006.26	11.27	-1.195	-0.001	0.084
86.00	-19.82	-3.56	-0.16		0.00		64.93	1641.79	407.41	988.92	987.63	11.77	-1.210	-0.001	0.078
88.00	-19.47	-3.51	-0.16	-64.93			57.90	1629.16	402.89	967.14	969.09	12.28	-1.224	-0.001	0.072
90.00	-19.12	-3.46	-0.16	-57.90	0.00			1616.41	398.38	945.60	950.64	12.80	-1.237	-0.001	0.065
92.00	-18.77	-3.41	-0.16	-50.98	0.00		50.98			924.31	932.30	13.32	-1.248	-0.001	0.059
94.00	-18.43	-3.36	-0.16	-44.16	0.00		44.16	1603.53	393.87		914.06	13.84	-1.258	-0.001	0.050
96.00	-14.34	-2.60	0.00	-37.44	0.00		37.44	1590.53	389.36	903.25			-1.268	-0.001	0.045
98.00	-14.01	-2.55	0.00	-32.24	0.00		32.24	1577.41	384.85	882.45	895.92	14.37		-0.001	0.043
98.75	-13.89	-2.53	0.00	-30.33	0.00		30.33	1 572.46	383.16	874.71	889.15	14.57	-1.271		0.040
100.00	-13.60	-2.49	0.00	-27.17	0.00		27.17	1564.16	380.34	861.88	877.89	14.91	-1.276	-0.001	
102.00	-13.15	-2.44	0.00	-22.19	0.00		22.19	1550.79	375.83	841.56	859.97	15.44	-1.282	-0.001	0.034
102.25	-13.09	-2.43	0.00	-21.58	0.00		21.58	1064.30	286.02	649.87	600.31	15.51	-1.283	-0.001	0.048
104.00	-12.85	-2.38	0.00	-17.33	0.00		17.33	1057.83	283.06	636.49	590.45	15.98	-1.288	-0.001	0.042
106.00	-7.56	-1.34	0.00	-12.56	0.00		12.56	1050.33	279.67	621.36	579.20	16.52	-1.294	-0.001	0.029
108.00	-7.30 -7.31	-1.29	0.00	-9.88	0.00		9.88	1042.70	276.29	606.42	567.99	17.06	-1.298	-0.001	0.024
		-1.24	0.00	-7.29	0.00		7.29	1034.95	272.91	591.66	556.81	17.61	-1.302	-0.001	0.020
110.00	-7.06			-4.81	0.00		4.81	1027.07	269.52	577.08	545.68	18.16	-1.304	-0.001	0.015
112.00	-6.82	-1.19	0.00		0.00		2.44	1019.06	266.14	562.68	534.58	18.70	-1.306	-0.001	0.011
114.00	-6.57	-1.14	0.00	-2.44			0.16	1010.94	262.76	548.47	523.52	19.25	-1.307	-0.001	0.001
116.00	-0.30	-0.07	0.00	-0.16	0.00			1002.69	259.37	534.43	512.52	19.80	-1.307	-0.001	0.000
118.00	-0.10	-0.02	0.00	-0.02	0.00		0.02		257.68	527.49	507.03	20.07	-1.307	-0.001	0.000
119.00	0.00	-0.02	0.00	0.00	0.00		0.00	998.51	257.00	327.48	307.03	20.01		2.00	

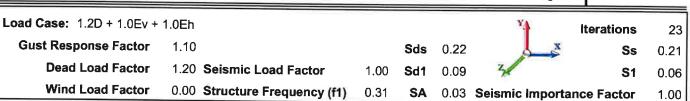
Seismic Segment Forces (Factored)

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

Site Name:MeridenExposure:BHeight:119.00 (ft)Crest Height:0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: II Page: 39



SBA

Eler (th) Description Wz (b) Hz (b) Ev (b) (b) Fs (b) R: 1.50 0.00 RB1 0.00 0.00 0.00 0.00 0.00 1.00 150.28 1.50.28 0.60 0.00 0.00 4.00 299.25 3.00 13.15 0.00 6.00 297.50 5.00 13.07 0.00 8.00 295.75 7.00 13.00 0.00 10.00 294.00 9.00 12.92 0.01 12.00 295.75 13.00 12.92 0.01 12.00 295.71 13.00 12.77 0.01 14.00 290.51 13.00 12.77 0.01 14.00 287.61 15.00 12.69 0.02 18.00 287.61 15.00 12.61 0.02 18.00 287.61 15.00 12.46 0.03 220.01 284.50 19.13 10.96 0.02 220.02 280	Тор				Vertical	Lateral	
No. RB1	Elev			Hz			
150.72	(ft)	Description	(lp)	(lþ)	(lb)	(lb)	R: 1.50
1.00			0.00	0.00	0.00	0.00	
4.00		RT1 RB2	150.72	0.50	6.62		
8.00			150.28	1.50	6.60	0.00	
8.00			299.25	3.00	13.15	0.00	
10.00			297.50	5.00	13.07	0.00	
12.00			295.75	7.00	13.00	0.00	
12.00			294.00	9.00	12.92	0.01	
14.00 290.51 13.00 12.77 0.01 16.00 288.76 15.00 12.69 0.02 18.00 287.01 17.00 12.61 0.02 18.25 RT2 35.75 18.13 1.57 0.00 20.00 249.50 19.13 10.96 0.02 22.00 283.51 21.00 12.46 0.03 24.00 280.01 25.00 12.38 0.04 26.00 280.01 25.00 12.31 0.05 28.00 276.51 29.00 12.15 0.06 30.00 274.76 31.00 12.07 0.07 34.00 274.76 31.00 12.00 0.08 36.00 271.26 35.00 11.92 0.09 38.00 269.51 37.00 11.84 0.10 40.00 267.76 39.00 11.77 0.11 42.00 264.27 43.00 11.61 0.13 48.00 265.25 45.00 11.64 0.15 48.75			292.25	11.00	12.84		
16.00 288.76 15.00 12.69 0.02 18.00 287.01 17.00 12.61 0.02 18.25 RT2 35.75 18.13 1.57 0.00 20.00 249.50 19.13 10.96 0.02 22.00 281.76 23.00 12.38 0.04 26.00 280.01 25.00 12.31 0.05 28.00 278.26 27.00 12.23 0.06 30.00 276.51 29.00 12.15 0.06 32.00 274.76 31.00 12.07 0.07 34.00 271.26 35.00 11.92 0.09 38.00 271.26 35.00 11.92 0.09 38.00 269.51 37.00 11.84 0.10 40.00 264.27 43.00 11.61 0.13 46.00 262.52 45.00 11.64 0.15 48.75 Bot - Section 2 97.34 48.38 12.37 0.19 50.00 271.98 52.63 13.27 0.19 50.00 254.72 57.00 11.27 0.20 66.00 254.72 57.00 11.12 0.22 60.00<			290.51	13.00			
18.00 287.01 17.00 12.61 0.02 18.25 RT2 35.75 18.13 1.57 0.00 20.00 249.50 19.13 10.96 0.02 22.00 283.51 21.00 12.46 0.03 24.00 281.76 23.00 12.38 0.04 26.00 280.01 25.00 12.31 0.05 28.00 278.28 27.00 12.23 0.06 30.00 276.51 29.00 12.15 0.06 32.00 273.01 33.00 12.00 0.08 36.00 271.26 35.00 11.92 0.09 38.00 269.51 37.00 11.84 0.10 40.00 267.76 39.00 11.77 0.11 42.00 266.01 41.00 11.69 0.12 44.00 266.01 41.00 11.69 0.12 44.00 264.27 43.00 11.54 0.14 48.00 260.77 47.00 11.46 0.15 48.75 Bot - Section 2 97.34 48.38 4.28 0.02 50.00 277.98 52.63 42.5 0.03 56.00 <td></td> <td></td> <td>288.76</td> <td>15.00</td> <td>12.69</td> <td></td> <td></td>			288.76	15.00	12.69		
18.25 RT2 35.75 18.13 1.57 0.00 20.00 249.50 19.13 10.96 0.02 22.00 283.51 21.00 12.46 0.03 24.00 281.76 23.00 12.38 0.04 26.00 280.01 25.00 12.31 0.05 30.00 276.51 29.00 12.25 0.06 32.00 274.76 31.00 12.07 0.07 34.00 273.01 33.00 12.00 0.08 36.00 271.26 35.00 11.92 0.09 38.00 269.51 37.00 11.84 0.10 40.00 267.76 39.00 11.77 0.11 42.00 264.27 43.00 11.61 0.13 48.00 262.52 45.00 11.54 0.14 48.00 260.77 47.00 11.46 0.15 48.75 Bot - Section 2 97.34 48.38 4.28 0.02 50.00 281.54 49.38 12.27 0.19			287.01	17.00	12.61		
20.00 249.50 19.13 10.96 0.02 22.00 283.51 21.00 12.46 0.03 24.00 281.76 23.00 12.31 0.05 28.00 278.26 27.00 12.23 0.06 30.00 276.51 29.00 12.15 0.06 32.00 274.76 31.00 12.07 0.07 34.00 273.01 33.00 12.00 0.08 36.00 271.26 35.00 11.92 0.09 38.00 269.51 37.00 11.84 0.10 40.00 267.76 39.00 11.77 0.11 42.00 266.01 41.00 11.69 0.12 44.00 264.27 43.00 11.61 0.13 48.00 260.77 47.00 11.46 0.15 48.75 Bot - Section 2 97.34 48.38 4.28 0.02 50.00 241.54 49.38 12.37 0.19 52.00 47.72 55.00 11.27 0.20 58.		RT2	35.75	18,13	1.57		
22.00			249.50	19.13	10.96		
24.00			283.51	21.00	12.46		
28.00			281.76	23.00	12.38		
28.00 30.00 276.51 29.00 12.15 0.06 32.00 274.76 31.00 12.07 0.07 34.00 273.01 33.00 11.00 0.08 36.00 271.26 35.00 11.92 0.09 38.00 269.51 37.00 11.84 0.10 40.00 267.76 39.00 11.69 0.12 44.00 266.01 41.00 11.69 0.12 44.00 264.27 43.00 11.61 0.13 46.00 262.52 45.00 11.64 0.01 48.00 269.51 37.00 11.64 0.01 48.75 Bot - Section 2 97.34 48.38 4.28 0.02 50.00 50.00 281.54 49.38 12.37 0.19 52.00 53.25 Top - Section 1 277.98 52.63 12.22 0.21 54.00 56.00 256.47 55.00 11.19 0.21 66.00 256.47 55.00 11.19 0.21 66.00 66.00 259.47 55.00 11.19 0.21 66.00 66.00 259.47 65.00 11.19 0.21 66.00 66.00 259.47 63.00 11.04 0.23 66.00 66.00 249.47 63.00 10.96 0.24 66.00 66.00 66.00 249.47 63.00 10.96 0.24 66.00 66.00 66.00 66.00 66.00 66.00 66.00 66.00 67.0			280.01	25.00	12.31	0.05	
30.00 32.00 274.76 31.00 12.07 30.00 36.00 273.01 33.00 11.92 0.09 38.00 269.51 37.00 11.84 0.10 40.00 267.76 39.00 11.77 0.11 42.00 266.01 44.00 266.27 43.00 11.69 0.12 44.00 48.00 260.77 47.00 11.46 0.15 48.75 Bot - Section 2 97.34 48.38 4.28 0.02 50.00 281.54 49.38 12.37 0.19 52.00 447.61 51.00 19.67 53.25 Top - Section 1 277.98 52.63 53.63 4.25 0.03 56.00 256.47 55.00 11.27 0.20 58.00 256.47 55.00 11.19 0.21 60.00 262.52 60.00 263.77 59.00 11.10 0.21 60.00 60.00 254.72 57.00 11.19 0.21 60.00 60.00 251.22 61.00 11.04 0.23 64.00 249.47 65.00 10.96 0.25 66.00 247.72 65.00 10.89 0.25			278.26	27.00	12.23		
32.00			276.51	29.00	12.15		
34.00			274.76	31.00	12.07		
36.00			273.01	33.00	12.00		
40.00			271.26	35.00	11.92		
40.00 42.00 42.00 42.00 42.00 42.00 43.00 44.00 46.00 46.00 48.00 48.75 Bot - Section 2 97.34 48.38 4.28 0.02 50.00 5281.54 49.38 12.37 0.19 52.00 70 - Section 1 277.98 52.63 12.22 0.21 54.00 96.63 53.63 4.25 0.03 56.00 58.00 256.47 55.00 11.19 0.21 60.00 60			269.51	37.00	11.84	0.10	
44.00			267.76	39.00	11.77		
44.00 46.00			266.01	41.00	11.69	0.12	
48.00 260.77 47.00 11.46 0.15 48.75 Bot - Section 2 97.34 48.38 4.28 0.02 50.00 281.54 49.38 12.37 0.19 52.00 447.61 51.00 19.67 0.51 53.25 Top - Section 1 277.98 52.63 12.22 0.21 54.00 96.63 53.63 4.25 0.03 56.00 256.47 55.00 11.27 0.20 58.00 254.72 57.00 11.19 0.21 60.00 252.97 59.00 11.12 0.22 62.00 251.22 61.00 11.04 0.23 64.00 249.47 63.00 10.96 0.24 66.00 247.72 65.00 10.89 0.25			264.27	43.00	11.61		
48.75 Bot - Section 2 97.34 48.38 4.28 0.02 50.00 281.54 49.38 12.37 0.19 52.00 447.61 51.00 19.67 0.51 53.25 Top - Section 1 277.98 52.63 12.22 0.21 54.00 96.63 53.63 4.25 0.03 56.00 256.47 55.00 11.27 0.20 58.00 254.72 57.00 11.19 0.21 60.00 252.97 59.00 11.12 0.22 62.00 251.22 61.00 11.04 0.23 64.00 249.47 63.00 10.96 0.24 66.00 247.72 65.00 10.89 0.25			262.52	45.00	11.54	0.14	
48.75 Bot - Section 2 97.34 48.38 4.28 0.02 50.00 281.54 49.38 12.37 0.19 52.00 447.61 51.00 19.67 0.51 53.25 Top - Section 1 277.98 52.63 12.22 0.21 54.00 96.63 53.63 4.25 0.03 56.00 256.47 55.00 11.27 0.20 58.00 254.72 57.00 11.19 0.21 60.00 252.97 59.00 11.12 0.22 62.00 251.22 61.00 11.04 0.23 64.00 249.47 63.00 10.96 0.24 66.00 247.72 65.00 10.89 0.25			260.77	47.00	11.46	0.15	
50.00 281.54 49.38 12.37 0.19 52.00 447.61 51.00 19.67 0.51 53.25 Top - Section 1 277.98 52.63 12.22 0.21 54.00 96.63 53.63 4.25 0.03 56.00 256.47 55.00 11.27 0.20 58.00 254.72 57.00 11.19 0.21 60.00 252.97 59.00 11.12 0.22 62.00 251.22 61.00 11.04 0.23 64.00 249.47 63.00 10.96 0.24 66.00 247.72 65.00 10.89 0.25		Bot - Section 2	97.34	48.38	4.28		
53.25 Top - Section 1 277.98 52.63 12.22 0.21 54.00 96.63 53.63 4.25 0.03 56.00 256.47 55.00 11.27 0.20 58.00 254.72 57.00 11.19 0.21 60.00 252.97 59.00 11.12 0.22 62.00 251.22 61.00 11.04 0.23 64.00 249.47 63.00 10.96 0.24 66.00 247.72 65.00 10.89 0.25			281.54	49.38	12.37		
54.00 96.63 53.63 4.25 0.03 56.00 256.47 55.00 11.27 0.20 58.00 254.72 57.00 11.19 0.21 60.00 252.97 59.00 11.12 0.22 62.00 251.22 61.00 11.04 0.23 64.00 249.47 63.00 10.96 0.24 66.00 247.72 65.00 10.89 0.25			447.61	51.00		0.51	
54.00 96.63 53.63 4.25 0.03 56.00 256.47 55.00 11.27 0.20 58.00 254.72 57.00 11.19 0.21 60.00 252.97 59.00 11.12 0.22 62.00 251.22 61.00 11.04 0.23 64.00 249.47 63.00 10.96 0.24 66.00 247.72 65.00 10.89 0.25		Top - Section 1	277.98	52.63	12.22		
58.00 254.72 57.00 11.19 0.21 60.00 252.97 59.00 11.12 0.22 62.00 251.22 61.00 11.04 0.23 64.00 249.47 63.00 10.96 0.24 66.00 247.72 65.00 10.89 0.25			96.63	53.63		0.03	
60.00 252.97 59.00 11.12 0.22 62.00 251.22 61.00 11.04 0.23 64.00 249.47 63.00 10.96 0.24 66.00 247.72 65.00 10.89 0.25			256.47	55.00	11.27	0.20	
62.00 251.22 61.00 11.04 0.23 64.00 249.47 63.00 10.96 0.24 66.00 247.72 65.00 10.89 0.25			254.72	57.00	11.19	0.21	
64.00 249.47 63.00 10.96 0.24 66.00 247.72 65.00 10.89 0.25			252.97	59.00	11.12	0.22	
66.00 247.72 65.00 10.89 0.25			251.22	61.00	11.04	0.23	
66.00 247.72 65.00 10.89 0.25			249.47	63.00	10.96	0.24	
			247.72	65.00	10.89		
210.07 01.00 10.01 0.21	68.00		245.97	67.00	10.81		
70.00 244.22 69.00 10.73 0.28				69.00			
72.00 242.47 71.00 10.66 0.29			242.47	71.00			
74.00 240.73 73.00 10.5B 0.30			240.73	73.00			
76.00 238.98 75.00 10.50 0.32			238.98	75.00			
78.00 237.23 77.00 10.43 0.33			237.23	7 7.00			
80.00 235.48 79.00 10.35 0.34			235.48	79.00			
82.00 233.73 81.00 10.27 0.35	82.00		233.73	81.00	10.27	0.35	

Seismic Segment Forces (Factored) 7/27/2023 TIA-222-H Code: CT13069-A Structure: Exposure: В Site Name: Meriden SBA Crest Height: 0.00 Height: 119.00 (ft) D - Stiff Soil Site Class: 1.000 (ft) Base Elev: Page: 40 **Struct Class:** Topography: 1 1.1 Gh: 83.00 10.19 0.36 231.98 84.00 113.79 47.60 85.00 2589.3 86.00 Appurtenance(s) 87.00 10.02 0.39 228.10 88.00 89.00 9.95 0.40 226.35 90.00 0.41 91.00 9.87 224.60 92.00 0.42 93.00 9.79 222.85 94.00 114.24 59.92 2599.5 95.00 96.00 Appurtenance(s) 9.07 0.39 97.00 206.40 98.00 98.38 3.38 0.06 76.95 Bot - Section 3 98.75 99.38 8.71 0.38 198.20 100.00 13.83 0.99 101.00 314.63 102.00 102.13 1.72 0.02 39.11 Top - Section 2 102.25 103.13 6.41 0.22 145.80 104.00 96.85 131.40 2990.1 105.00 Appurtenance(s) 106.00 0.23 6.32 143.83 107.00 108.00 6.26 0.24 109.00 142.52 110.00 0.24 6.21 141.20 111.00 112.00 0.25 113.00 6.15 139.89 114.00 168.64 191.35 115.00 3837.3 Appurtenance(s) 116.00 117.00 4.59 0.15 104.39 118.00 0.03 50.13 118.50 2.20 119.00 19,286.3 **Total Wind:** 1,152.6 407.0 Totals: 26,226.9

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

 Site Name:
 Meriden
 Exposure:
 B

 Height:
 119.00 (ft)
 Crest Height:
 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: II Page: 41



Load Case: 1.2D + 1.0Ev +	1.0Eh				Y	Iterations	23
Gust Response Factor	1.10		Sds	0.22	, x	Ss	0.21
Dead Load Factor	1.20 Seismic Load Fa	ctor 1.00	\$d1	0.09	2,5	S1	0.06
Wind Load Factor	0.00 Structure Freque	ncy (f1) 0.3	SA	0.03	Seismic Importa	nce Factor	1.00

Seg Elev	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	Mu MX	Resultant Moment	phi Pn	phi Vn	phi Tn	phi Mn	Total Deflect	Rotation Sway	Rotation Twist	Stress
(ft)	(kips)	(kips)	(ft-kips)	(ft-kips)	(ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
0.00	-31.86	-0.41	0.00	-45.80	0.00	45.80	2063.18	598.93	2137.28	1829.55		0.00	0.00	0.034
1.00	-31.68	-0.41	0.00	-45.40	0.00	45.40	2059.52	596.68	2121.21	1819.38		0.00	0.00	0.028
2.00	-31.50	-0.41	0.00	-44.99	0.00	44.99	2055.83	594.42	2105.21	1809.22		0.00	0.00	0.027
4.00	-31.15	-0.41	0.00	-44.17	0.00	44.17	2048.36	589.91	2073.38	1788.88		0.00	0.00	0.027
6.00	-30.79	-0.41	0.00	-43.35	0.00	43.35	2040.76	585.40	2041.79	1768.54		0.00	-0.01	0.027
8.00	-30.43	-0.41	0.00	-42.53	0.00	42.53	2033.04	580.89	2010.44	1748.19		0.01	-0.01	0.027
10.00	-30.08	-0.41	0.00	-41.71	0.00	41.71	2025.20	576.38	1979.33	1727.84		0.01	-0.01	0.026
12.00	-29.73	-0.41	0.00	-40.88	0.00	40.88	2017.23	571.87	1948.47	1707.49		0.02	-0.01	0.026
14.00	-29.39	-0.41	0.00	-40.06	0.00	40.06	2009.13	567.35	1917.85	1687.14		0.02	-0.02	0.026
16.00	-29.04	-0.42	0.00	-39.23	0.00	39.23	2000.92	562.84	1887.48	1666.80		0.03	-0.02	0.025
18.00	-28.70	-0.42	0.00	-38.40	0.00	38.40	1992.57	558.33	1857.34	1646.46		0.04	-0.02	0.025
18.25	-28.65	-0.42	0.00	-38.29	0.00	38.29	1991.52	557.77	1853.59	1643.92		0.04	-0.02	0.025
18.25 20.00	-28.65	-0.42	0.00	-38.29	0.00	38.29	1991.52	557.77	1853.59	1643.92		0.04	-0.02	0.025
	-28.36	-0.42	0.00	-37.56	0.00	37.56	1984.11	553.82	1827.45	1626.14		0.05	-0.02	0.037
22.00 24.00	-28.02 -27.68	-0.42	0.00	-36.73	0.00	36.73	1975.52	549.31	1797.80	1605.83		0.06	-0.03	0.037
26.00	-27.35	-0.42 -0.42	0.00	-35.89	0.00	35.89	1966.80	544.80	1768.39	1585.53		0.07	-0.03	0.037
28.00	-27.01	-0.42	0.00 0.00	-35.04	0.00	35.04	1957.96	540.29	1739.23	1565.25		80.0	-0.03	0.036
30.00	-26.68	-0.42	0.00	-34.20	0.00	34.20	1948.99	535.78	1710.31	1544.99		0.10	-0.04	0.036
32.00	-26.36	-0.43	0.00	-33.35	0.00	33.35	1939.91	531.27	1681.63	1524.76		0.11	-0.04	0.036
34.00	-26.03	-0.43	0.00	-32.50 -31.65	0.00	32.50	1930.69	526.75	1653.19	1504.55		0.13	-0.04	0.035
36.00	-25.71	-0.43	0.00	-31.65	0.00	31.65	1921.36	522.24	1624.99	1484.36		0.15	-0.05	0.035
38.00	-25.39	-0.43	0.00	-30.79	0.00 0.00	30.79	1911.89	517.73	1597.04	1464.21		0.17	-0.05	0.034
40.00	-25.07	-0.43	0.00	-29.08	0.00	29.94	1902.31	513.22	1569.33	1444.09		0.19	-0.05	0.034
42.00	-24.75	-0.43	0.00	-28.22	0.00	29.08 28.22	1892.60	508.71	1541.86	1424.00		0.22	-0.06	0.034
44.00	-24.43	-0.43	0.00	-27.35	0.00	26.22 27.35	1882.76	504.20	1514.64	1403.96		0.24	-0.06	0.033
46.00	-24.12	-0.43	0.00	-26.49	0.00	26.49	1872.80 1862.72	499.69	1487.66	1383.95		0.27	-0.06	0.033
48.00	-23.81	-0.43	0.00	-25.62	0.00	25.62	1852.51	495.18	1460.92	1363.99		0.29	-0.07	0.032
48.75	-23.70	-0.43	0.00	-25.29	0.00	25.29	1848.65	490.67 488.97	1434.42 1424.55	1344.07		0.32	-0.07	0.032
50.00	-23.35	-0.44	0.00	-24.75	0.00	24.75	1842.18	486.15		1336.61		0.33	-0.07	0.032
52.00	-22.81	-0.43	0.00	-23.88	0.00	23.88	1831.72	481.64	1408.17 1382.15	1324.20 1304.37		0.35	-0.07	0.031
53.25	-22.47	-0.43	0.00	-23.34	0.00	23.34	1841.33	485.79	1406.04	1322.58		0.38	-0.08	0.031
54.00	-22.36	-0.44	0.00	-23.01	0.00	23.01	1837.42	484.09	1396.26	1315.14		0.40 0.42	-0.08 -0.08	0.030
56.00	-22.05	-0.44	0.00	-22.14	0.00	22.14	1826.91	479.58	1370.36	1295.34		0.42 0.45	-0.08 -0.08	0.030
58.00	-21.75	-0.44	0.00	-21.27	0.00	21.27	1816.27	475.07	1344.70	1275.60		0.49	-0.08	0.029 0.029
60.00	-21.45	-0.44	0.00	-20.39	0.00	20.39	1805.51	470.56	1319.28	1255.91		0.4 5 0.52	-0.09 -0.09	0.029
62.00	-21.15	-0.44	0.00	-19.52	0.00	19.52	1794.62	466.05	1294.11	1236.28		0.56	-0.09	0.028
64.00	-20.86	-0.44	0.00	-18.65	0.00	18.65	1783.61	461.54	1269.18	1216.72		0.60	-0.09	0.028
66.00	-20.56	-0.44	0.00	-17.77	0.00	17.77	1772.48	457.03	1244.49	1197.22		0.64	-0.10	0.027
68.00	-20.27	-0.44	0.00	-16.89	0.00	16.89	1761.22	452.52	1220.04	1177.78		0.68	-0.10	0.026
70.00	-19.98	-0.44	0.00	-16.02	0.00	16.02	1749.83	448.01	1195.84	1158.41		0.72	-0.10 -0.10	0.026
72.00	-19.69	-0.44	0.00	-15.14	0.00	15.14	1738.33	443.49	1171.88	1139.12		0.72	-0.10 -0.11	0.025
74.00	-19.41	-0.44	0.00	-14.26	0.00	14.26	1726.69	438.98	1148.16	1119.90		0.81	-0.11	0.025
76.00	-19.12	-0.44	0.00	-13.39	0.00	13.39	1714.94	434.47	1124.68	1100.75		0.86	-0.11	0.024
78.00	-18.84	-0.44	0.00	-12.51	0.00	12.51	1703.06	429.96	1101.45	1081.68		0.90	-0.11	0.023
80.00	-18.56	-0.44	0.00	-11.63	0.00	11.63	1691.05	425.45	1078.46	1062.70		0.95	-0.12	0.023
82.00	-18.29	-0.44	0.00	-10.76	0.00	10.76	1678.92	420.94	1055.71	1043.80		1.00	-0.12	0.022
				0	-:	o. +								0.021

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Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

Site Name: Meriden Exposure: B
Height: 119.00 (ft) Crest Height: 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Base	Elev:	1.000 (1	L)					O110 01000	_					
Gh:		1.1		Торо	graphy:	1		Struct Clas	ss: II			Page: 42		
		2.44	0.00	-9.88	0.00		9.88	1666.67	416.43	1033.20	1024.99	1.05	-0.12	0.020
84.00	-18.01	-0.44	0.00		0.00		9.00	1654.29	411.92	1010.94	1006.26	1.10	-0.12	0.018
86.00	-14.80		0.00	-9.00	0.00		8.24	1641.79	407.41	988.92	987.63	1.15	-0.12	0.017
88.00	-14.53		0.00	-8.24			7.47	1629.16	402.89	967.14	969.09	1.21	-0.13	0.016
90.00	-14.27	-0.38	0.00	-7.47	0.00		6.70	1616.41	398.38	945.60	950.64	1.26	-0.13	0.016
92.00	-14.00		0.00	-6.70	0.00		5.94	1603.53	393.87	924.31	932.30	1.31	-0.13	0.015
94.00	-13.74		0.00	-5.94	0.00			1590.53	389.36	903.25	914.06	1.37	-0.13	0.012
96.00	-10.52		0.00	-5.17	0.00		5.17	1577.41	384.85	882.45	895.92	1.42	-0.13	0.012
98.00	-10.27	-0.31	0.00	-4.54	0.00		4.54	1577.41	383.16	874.71	889.15	1.44	-0.13	0.011
98.75	-10.18		0.00	-4.31	0.00		4.31	1564.16	380.34	861.88	877.89	1.48	-0.13	0.011
100.00	-9.94	-0.31	0.00	-3.92	0.00		3.92	1550.79	375.83	841.56	859.97	1.53	-0.13	0.010
102.00	-9.56	-0.31	0.00	-3.29	0.00		3.29		286.02	649.87	600.31	1.54	-0.13	0.014
102.25	-9.51	-0.31	0.00	-3.21	0.00		3.21	1064.30	283.06	636.49	590.45	1.59	-0.13	0.013
104.00	-9.34	-0.31	0.00	-2.67	0.00		2,67	1057.83	279.67	621.36	579.20	1.64	-0.14	0.009
106.00	-5.63	-0.21	0.00	-2.05	0.00		2.05	1050.33	276.29	606.42	567.99	1.70	-0.14	0.008
108.00	-5.46	-0.21	0.00	-1.63	0.00		1.63	1042.70		591.66	556.81	1.76	-0.14	0.007
110.00	-5.29	-0.20	0.00	-1.22	0.00		1.22	1034.95	272.91	577.08	545.68	1.82	-0.14	0.006
112.00	<i>-</i> 5.12	-0.20	0.00	-0.82	0.00		0.82	1027.07	269.52	562.68	534.5B	1.87	-0.14	0.006
114.00	-4.96	-0.20	0.00	-0.41	0.00		0.41	1019.06	266.14		523.52	1.93	-0.14	0.000
116.00	-0.19	0.00	0.00	0.00	0.00		0.00	1010.94	262.76	548.47 534.43	512.52	1.99	-0.14	0.000
118.00	-0.06	0.00	0.00	0.00	0.00		0.00	1002.69	259.37		507.03	2.02	-0.14	0.000
119.00	0.00	0.00	0.00	0.00	0.00		0.00	998.51	257.68	527.49	307.03	2.02	5.11	

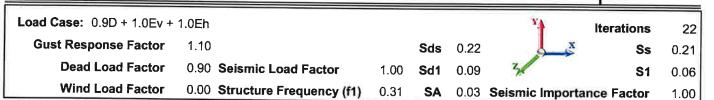
Seismic Segment Forces (Factored)

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

Site Name:MeridenExposure:BHeight:119.00 (ft)Crest Height:0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: II



SBA

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Тор				Vertical	Lateral	
Elev (ft)	Deceriation	Wz	Hz	Ev	Fs	
	Description	(lb)	(lb)	(lb)	(lb)	R: 1.50
0.00	RB1	0.00	0.00	0.00	0.00	
1.00	RT1 RB2	142.02	0.50	6.24	0.00	
2.00		141.58	1.50	6.22	0.00	
4.00		281.85	3.00	12.39	0.00	
6.00		280.10	5.00	12.31	0.00	
8.00		278.35	7.00	12.23	0.00	
10.00		276.60	9.00	12.16	0.01	
12.00		274.85	11.00	12.08	0.01	
14.00		273.10	13.00	12.00	0.01	
16.00		271.35	15.00	11.92	0.02	
18.00	DTO	269.60	17.00	11.85	0.02	
18.25	RT2	33.58	18.13	1.48	0.00	
20.00		234.27	19.13	10.30	0.02	
22.00		266.10	21.00	11.69	0.03	
24.00		264.35	23.00	11.62	0.04	
26.00		262.60	25.00	11.54	0.04	
28.00		260.85	27.00	11.46	0.05	
30.00		259.11	29.00	11.39	0.06	
32.00		257.36	31.00	11.31	0.06	
34.00		255.61	33.00	11.23	0.07	
36.00		253.86	35.00	11.16	80.0	
38.00		252.11	37.00	11.08	0.09	
40.00		250.36	39.00	11.00	0.09	
42.00		248.61	41.00	10.93	0.10	
44.00		246.86	43.00	10.85	0.11	
46.00		245.11	45.00	10.77	0.12	
48.00	Bat Castina 6	243.36	47.00	10.69	0.13	
48.75	Bot - Section 2	90.81	48.38	3.99	0.02	
50.00		270.66	49.38	11.89	0.18	
52.00	T 0 " 1	430.21	51.00	18.91	0.48	
53.25	Top - Section 1	267.10	52.63	11.74	0.20	
54.00		90.10	53.63	3.96	0.02	
56.00		239.06	55.00	10.51	0.17	
58.00		237.31	57.00	10.43	0.18	
60.00		235.57	59.00	10.35	0.19	
62.00		233.82	61.00	10.28	0.20	
64.00		232.07	63.00	10.20	0.21	
66.00		230.32	65.00	10.12	0.22	
68.00		228.57	67.00	10.04	0.23	
70.00		226.82	69.00	9.97	0.24	
72.00		225.07	71.00	9.89	0.25	
74.00		223.32	73.00	9.81	0.26	
76.00		221.57	75.00	9.74	0.27	
78.00		219.82	77.00	9.66	0.28	
80.00		218.07	79.00	9.58	0.29	
82.00		216.32	81.00	9.51	0.31	

Seismic Segment Forces (Factored) 7/27/2023 TIA-222-H Code: CT13069-A Structure: Exposure: В Site Name: Meriden SBA Crest Height: 0.00 Height: 119.00 (ft) D - Stiff Soil Site Class: Base Elev: 1.000 (ft) Page: 44 **Struct Class:** Topography: 1 1.1 Gh: 83.00 0.32 214.57 84.00 113.03 47.50 85.00 2571.9 86.00 Appurtenance(s) 87.00 9.26 0.33 210.79 88.00 0.34 89.00 9.19 209.04 90.00 0.35 91.00 9.11 207.29 92.00 0.36 205.54 93.00 9.03 94.00 59.81 113.48 95.00 2582.1 96.00 Appurtenance(s) 8.45 0.35 97.00 192.33 98.00 98.38 3.15 0.05 71.67 Bot - Section 3 98.75 99.38 8.32 0.35 189.40 100.00 13.21 0.92 300.56 101.00 102.00 102.13 1.64 0.01 37.35 Top - Section 2 102.25 103.13 5.87 0.19 133.48 104.00 97.05 130.79 2976.0 105.00 Appurtenance(s) 106.00 0.21 5.92 134.82 107.00 108.00 5.87 0.21 109.00 133.51 110.00 0.21 111.00 5.81 132.20 112.00 5.75 0.22 113.00 130.88 114.00 168.24 192.65 115.00 3828.3 Appurtenance(s) 116.00 117.00 4.55 0.15 103.60 118.00 2.20 0.04 50.13 118.50 119.00 Total Wind: 19,286.3 1,110.8 407.0 Totals: 25,275.7

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

Site Name:MeridenExposure:BHeight:119.00 (ft)Crest Height:0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: II



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Load Case: 0.9D + 1.0Ev +	1.0Eh					Y	Iterations	22
Gust Response Factor	1.10			Sds	0.22	X	Ss	0.21
Dead Load Factor	0.90	Seismic Load Factor	1.00	Sd1	0.09	3	S1	0.06
Wind Load Factor	0.00	Structure Frequency (f1)	0.31	SA	0.03	Seismic Importa	nce Factor	1.00

Seg	Pu	Vu	Tu	Mu	Mu	Resultant	phi	phi	phi	phi	Total	Rotation	Rotation	
Elev (ft)	FY (-) (kips)	FX (-) (kips)	MY (-)	MZ (ft-kips)	MX (ft Isina)	Moment	Pn	Vn	Tn	Mn	Deflect	Sway	Twist	Stress
0.00	-24.14	-0.41	0.00	-45.05	0.00	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
1.00	-24.01	-0.41	0.00	-44.64	0.00	45.05 44.64	2063.18	598.93	2137.28	1829.55		0.00	0.00	0.030
2.00	-23.87	-0.41	0.00	-44.24	0.00	44.64 44.24	2059.52	596.68	2121.21	1819.38		0.00	0.00	0.025
4.00	-23.60	-0.41	0.00	-43.42	0.00	43.42	2055.83	594.42	2105.21	1809.22		0.00	0.00	0.025
6.00	-23.33	-0.41	0.00	-42.61	0.00	43.42 42.61	2048.36	589.91	2073.38	1788.88		0.00	0.00	0.024
8.00	-23.06	-0.41	0.00	-41.79	0.00	41.79	2040.76	585.40	2041.79	1768.54		0.00	-0.01	0.024
10.00	-22.80	-0.41	0.00	-40.98	0.00	40.98	2033.04	580.89	2010.44	1748.19		0.01	-0.01	0.024
12.00	-22.53	-0.41	0.00	-40.16	0.00	40.98 40.16	2025.20 2017.23	576.38	1979.33	1727.84		0.01	-0.01	0.024
14.00	-22.27	-0.41	0.00	-39.34	0.00	39.34		571.87	1948.47	1707.49		0.02	-0.01	0.023
16.00	-22.01	-0.41	0.00	-38.51	0.00	38.51	2009.13 2000.92	567.35	1917.85	1687.14		0.02	-0.02	0.023
18.00	-21.75	-0.41	0.00	-37.69	0.00	37.69	1992.57	562.84	1887.48	1666.80		0.03	-0.02	0.023
18.25	-21.71	-0.41	0.00	-37.59	0.00	37.59	1992.57	558.33	1857.34	1646.46		0.04	-0.02	0.023
18.25	-21.71	-0.41	0.00	-37.59	0.00	37.59		557.77	1853.59	1643.92		0.04	-0.02	0.023
20.00	-21.49	-0.41	0.00	-36.86	0.00	36.86	1991.52 1984.11	557.77	1853.59	1643.92		0.04	-0.02	0.023
22.00	-21.23	-0.41	0.00	-36.04	0.00	36.04	1975.52	553.82	1827.45	1626.14		0.05	-0.02	0.034
24.00	-20.98	-0.42	0.00	-35.21	0.00	35.21	1966.80	549.31 544.80	1797.80 1768.39	1605.83		0.06	-0.03	0.033
26.00	-20.72	-0.42	0.00	-34.37	0.00	34.37	1957.96		1739.23	1585.53		0.07	-0.03	0.033
28.00	-20.47	-0,42	0.00	-33.54	0.00	33.54	1948.99	540.29 535.78	1739.23	1565.25		0.08	-0.03	0.033
30.00	-20.22	-0.42	0.00	-32.70	0.00	32.70	1939.91	531.27	1681.63	1544.99		0.10	-0.04	0.032
32.00	-19.98	-0.42	0.00	-31.87	0.00	31.87	1930.69	526.75	1653.19	1524.76		0.11	-0.04	0.032
34.00	-19.73	-0.42	0.00	-31.03	0.00	31.03	1921.36	522.24	1624.99	1504.55		0.13	-0.04	0.032
36.00	-19.48	-0.42	0.00	-30.19	0.00	30.19	1911.89	522.24	1597.04	1484.36		0.15	-0.05	0.031
38.00	-19.24	-0.42	0.00	-29.34	0.00	29.34	1902.31	517.73	1569.33	1464.21		0.17	-0.05	0.031
40.00	-19.00	-0.42	0.00	-28.50	0.00	28.50	1892.60	513.22	1541.86	1444.09		0.19	-0.05	0.030
42.00	-18.76	-0.42	0.00	-27.65	0.00	27.65	1882.76	504.20	1514.64	1424.00		0.21	-0.06	0.030
44.00	-18.52	-0.42	0.00	-26.80	0.00	26.80	1872.80	499.69	1487.66	1403.96		0.24	-0.06	0.030
46.00	-18.28	-0.43	0.00	-25.96	0.00	25.96	1862.72	495.18	1460.92	1383.95 1363.99		0.26	-0.06	0.029
48.00	-18.05	-0.43	0.00	-25.11	0.00	25.11	1852.51	490.67	1434.42	1344.07		0.29	-0.07	0.029
48.75	-17.96	-0.43	0.00	-24.79	0.00	24.79	1848.65	488.97	1434.42	1336.61		0.32	-0.07	0.028
50.00	-17.70	-0.43	0.00	-24.25	0.00	24.25	1842.18	486.15	1424.55	1324.20		0.33	-0.07	0.028
52.00	-17.29	-0.43	0.00	-23.40	0.00	23.40	1831.72	481.64	1382.15	1304.20		0.35 0.38	-0.07	0.028
53.25	-17.04	-0.43	0.00	-22.87	0.00	22.87	1841.33	485.79	1406.04	1322.58			-0.07	0.027
54.00	-16.95	-0.43	0.00	-22.55	0.00	22.55	1837.42	484.09	1396.26	1315.14		0.40	-0.08	0.027
56.00	-16.72	-0.43	0.00	-21.70	0.00	21.70	1826.91	479.58	1370.36	1295.34		0.41 0.44	-0.08	0.026
58.00	-16.49	-0.43	0.00	-20.84	0.00	20.84	1816.27	475.07	1344.70	1275.60		0.4 4 0.48	-0.08	0.026
60.00	-16.26	-0.43	0.00	-19.99	0.00	19.99	1805.51	470.56	1319.28	1275.00			-0.08	0.025
62.00	-16.04	-0.43	0.00	-19.13	0.00	19.13	1794.62	466.05	1294.11	1236.28		0.51 0.55	-0.09	0.025
64.00	-15.81	-0.43	0.00	-18.28	0.00	18.28	1783.61	461.54	1269.18	1216.72		0.55 0.59	-0.09	0.024
66.00	-15.59	-0.43	0.00	-17.42	0.00	17.42	1772.48	457.03	1244.49	1197.22		0.63	-0.09	0.024
68.00	-15.37	-0.43	0.00	-16.56	0.00	16.56	1761.22	457.03	1220.04	1197.22		0.63 0.67	-0.10	0.023
70.00	-15.15	-0.43	0.00	-15.71	0.00	15.71	1749.83	448.01	1195.84	1158.41			-0.10	0.023
72.00	-14.93	-0.43	0.00	-14.85	0.00	14.85	1738.33	443.49	1171.88	1138.41		0.71 0.75	-0.10	0.022
74.00	-14.71	-0.43	0.00	-13.99	0.00	13.99	1736.33	438.98	1148.16	1119.90		0.75 0.80	-0.10	0.022
76.00	-14.50	-0.43	0.00	-13.14	0.00	13.14	1714.94	434.47	1124.68	1100.75		0.80 0.84	-0.11 0.11	0.021
78.00	-14.29	-0.43	0.00	-12.28	0.00	12.28	1703.06	429.96		100.75		0.84 0.89	-0.11 0.11	0.020
80.00	-14.08	-0.43	0.00	-11.42	0.00	11.42	1691.05	425.45		1061.06		0.89 0.93	-0.11 0.11	0.020
82.00	-13.87	-0.43	0.00	-10.57	0.00	10.57	1678.92	420.94		1002.70		0.93 0.98	-0.11	0.019
							1010.02	T40.34	1000.7	1045.00		U.30	-0.12	0.018

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Structure: CT13069-A

Site Name: Meriden 119.00 (ft) Height: Base Elev: 1.000 (ft)

TIA-222-H Code:

Exposure: В Crest Height: 0.00

D - Stiff Soil Site Class:

SBA	((•

7/27/2023

Dase Elev. 1:000 (it)		- 4 Ot						Page: 46					
1.1		Topography: 1		Struct Class: II				Fage. 40					
12.66	0.43	0.00	-9 71	0.00		9.71	1666.67	416.43	1033.20	1024.99	1.03		0.018
						8.85	1654.29	411.92	1010.94	1006.26	1.08	-0.12	0.016
							1641.79	407.41	988.92	987.63	1.13	-0.12	0.015
							1629.16	402.89	967.14	969.09	1.18	-0.12	0.014
								398.38	945.60	950.64	1.23	-0.12	0.014
								393.87	924.31	932.30	1.29	-0.13	0.013
										914.06	1.34	-0.13	0.011
										895.92	1.39	-0.13	0.010
		_								889.15	1.41	-0.13	0.010
											1.45	-0.13	0.009
											1.50	-0.13	0.008
											1.51	-0.13	0.012
-7.22												-0.13	0.011
-7.09												-0.13	0.008
-4.27												-0.13	0.007
-4.14	-0.20											-0.13	0.006
-4.02	-0.20	0.00											0.005
-3.89	-0.20	0.00											0.004
-3.76	-0.20	0.00	-0.40										0.000
-0.15	0.00	0.00	0.00										0.000
-0.05	0.00	0.00	0.00										0.000
0.00	0.00	0.00	0.00	0.00		0.00	998.51	257.68	527.49	507.03	1.50	0.10	0.000
	-13.66 -11.23 -11.02 -10.82 -10.62 -7.98 -7.79 -7.72 -7.54 -7.25 -7.22 -7.09 -4.27 -4.14 -4.02 -3.89 -3.76 -0.15 -0.05	1.1 -13.66	1.1 -13.66	1.1 Topo -13.66	1.1 Topography: -13.66	1.1 Topography: 1 -13.66	1.1 Topography: 1 \$ -13.66 -0.43 0.00 -9.71 0.00 9.71 -11.23 -0.38 0.00 -8.85 0.00 8.85 -11.02 -0.38 0.00 -8.10 0.00 8.10 -10.82 -0.38 0.00 -7.35 0.00 7.35 -10.62 -0.37 0.00 -6.60 0.00 6.60 -10.42 -0.37 0.00 -5.85 0.00 5.85 -7.98 -0.31 0.00 -5.10 0.00 5.10 -7.79 -0.31 0.00 -4.48 0.00 4.25 -7.54 -0.31 0.00 -3.87 0.00 3.87 -7.25 -0.31 0.00 -3.87 0.00 3.25 -7.22 -0.31 0.00 -3.17 0.00 3.17 -7.09 -0.31 0.00 -2.64 0.00 2.64 -4.27 -0.20 0.00	1.1 Topography: 1 Struct Class -13.66	1.1 Topography: 1 Struct Class: II -13.66	-13.66 -0.43 0.00 -9.71 0.00 9.71 1666.67 416.43 1033.20 -11.23 -0.38 0.00 -8.85 0.00 8.85 1654.29 411.92 1010.94 -11.02 -0.38 0.00 -8.10 0.00 8.10 1641.79 407.41 988.92 -10.82 -0.38 0.00 -7.35 0.00 7.35 1629.16 402.89 967.14 -10.62 -0.37 0.00 -6.60 0.00 6.60 1616.41 398.38 945.60 -10.42 -0.37 0.00 -5.85 0.00 5.85 1603.53 393.87 924.31 -7.98 -0.31 0.00 -5.10 0.00 5.10 1590.53 389.36 903.25 -7.79 -0.31 0.00 -4.25 0.00 4.25 1572.46 383.16 874.71 -7.54 -0.31 0.00 -3.87 0.00 3.87 1564.16 380.34 861.88	1.1 Topography: 1 Struct Class: II -13.66 -0.43 0.00 -9.71 0.00 9.71 1666.67 416.43 1033.20 1024.99 -11.23 -0.38 0.00 -8.85 0.00 8.85 1654.29 411.92 1010.94 1006.26 -11.02 -0.38 0.00 -8.10 0.00 8.10 1641.79 407.41 988.92 987.63 -10.82 -0.38 0.00 -7.35 0.00 7.35 1629.16 402.89 967.14 969.09 -10.62 -0.37 0.00 -6.60 0.00 6.60 1616.41 398.38 945.60 950.64 -10.42 -0.37 0.00 -5.85 0.00 5.85 1603.53 393.87 924.31 932.30 -7.98 -0.31 0.00 -5.10 0.00 5.10 1590.53 389.36 903.25 914.06 -7.72 -0.31 0.00 -4.25 0.00 4.25	1.1 Topography: 1 Struct Class: II Page: 46 1.3.66	1.1 Topography: 1 Struct Class: Page: 46

Wind Loading - Shaft

Structure: CT13069-A

Site Name: Meriden

Height: 119.00 (ft)

Base Elev: 1.000 (ft)

Gh: 1.1 Code:

TIA-222-H

Exposure:

В Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/27/2023

Page: 47

SBA

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor Wind Load Factor

1.00 1.00

Topography: 1

Iterations

25

Elev				qz	qzGh	С		lce Thick	Tributary	Aa	CfAa	Wind	Dead	Tot Dead
(ft)	Description	Kzt	Kz	(psf)	(psf)	(mph-ft)	Cf	(in)	(ft)	(sf)	(sf)	(lb)	Load Ice (Ib)	Load (lb)
0.00 RB		1.00	0.70	5.420	5.96	182.70	0.630	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00 RT	1 RB2	1.00	0.70	5.420	5.96	182,01	0.630	0.000	1.00	3.654	2.30	13.7	0.0	115.9
2.00		1.00	0.70	5.420	5.96	181.33	0.630	0.000	1.00	3.640	2.29	13.7	0.0	115.5
4.00		1.00	0.70	5.420	5.96	179.96	0.630	0.000	2.00	7.239	4.56	27.2	0.0	229.6
6.00		1.00	0.70	5.420	5.96	178.59	0.630	0.000	2.00	7.184	4.53	27.0	0.0	227.9
8.00		1.00	0.70	5.420	5.96	177.22	0.630	0.000	2.00	7.129	4.49	26.8	0.0	226.1
10.00		1.00	0.70	5.420	5.96	175.86	0.630	0.000	2.00	7.075	4.46	26.6	0.0	224.4
12.00		1.00	0.70	5.420	5.96	174.49	0.630	0.000	2.00	7.020	4.42	26.4	0.0	222.6
14.00		1.00	0.70	5.420	5.96	173.12	0.630	0.000	2.00	6.965	4.39	26.2	0.0	220.9
16.00		1.00	0.70	5.420	5.96	171.75	0.630	0.000	2.00	6.910	4.35	26.0	0.0	219.1
18.00	_	1.00	0.70	5.420	5.96	170.38	0.630	0.000	2.00	6.855	4.32	25.7	0.0	217.4
18.25 RT2	2	1.00	0.70	5.420	5.96	170.21	0.630	0.000	0.25	0.853	0.54	3.2	0.0	27.1
20.00		1.00	0.70	5.420	5.96	169.02	0.630	0.000	1.75	5.947	3.75	22.3	0.0	188.6
22.00		1.00	0.70	5.420	5.96	167.65	0.630	0.000	2.00	6.746	4.25	25.3	0.0	213.9
24.00		1.00	0.70	5.420	5.96	166.28	0.630	0.000	2.00	6.691	4.22	25.1	0.0	212.1
26.00		1.00	0.70	5.420	5.96	164.91	0.630	0.000	2.00	6.636	4.18	24.9	0.0	210.4
28.00		1.00	0.70	5.420	5.96	163.54	0.630	0.000	2.00	6.581	4.15	24.7	0.0	208.6
30.00		1.00	0.71	5.476	6.02	163.01	0.630	0.000	2.00	6.526	4.11	24.8	0.0	206.9
32.00		1.00	0.72	5.574	6.13	163.08	0.630	0.000	2.00	6.471	4.08	25.0	0.0	205.1
34.00		1.00	0.73	5.669	6.24	163.06	0.630	0.000	2.00	6.417	4.04	25.2	0.0	203.4
36.00		1.00	0.74	5.760	6.34	162.95	0.630	0.000	2.00	6.362	4.01	25.4	0.0	201.6
38.00		1.00	0.76	5.847	6.43	162.76	0.630	0.000	2.00	6.307	3.97	25.6	0.0	199.9
40.00		1.00	0.77	5.931	6.52	162.49	0.630	0.000	2.00	6.252	3.94	25.7	0.0	198.1
42.00		1.00	0.78	6.012	6.61	162.16	0.630	0.000	2.00	6.197	3.90	25.8	0.0	196.4
44.00		1.00	0.79	6.091	6.70	161.77	0.630	0.000	2.00	6.142	3.87	25.9	0.0	194.6
46.00 48.00		1.00	0.80	6.167	6.78	161.32	0.630	0.000	2.00	6.088	3.84	26.0	0.0	192.9
	Castina O	1.00	0.81	6.241	6.87	160.81	0.630	0.000	2.00	6.033	3.80	26.1	0.0	191.1
48.75 Bot - 50.00	Section 2	1.00	0.81	6.268	6.89	160.61	0.630	0.000	0.75	2.248	1.42	9.8	0.0	71.2
52.00		1.00	0.82	6.313	6.94	160.26	0.630	0.000	1.25	3.783	2.38	16.5	0.0	238.0
	Castian 4	1.00	0.82	6.383	7.02	159.65	0.630	0.000	2.00	6.008	3.78	26.6	0.0	378.0
53.25 Top - 54.00	- Section 1	1.00	0.83	6.425	7.07	159.26	0.630	0.000	1.25	3.727	2.35	16.6	0.0	234.5
56.00		1.00	0.83	6.450	7.10	161.31	0.630	0.000	0.75	2.226	1.40	10.0	0.0	70.5
58.00		1.00	0.84	6.517	7.17	160.64	0.630	0.000	2.00	5.898	3.72	26.6	0.0	186.8
60.00		1.00	0.85	6.581	7.24	159.92	0.630	0.000	2.00	5.843	3.68	26.6	0.0	185.1
62.00		1.00	0.86	6.644	7.31	159.17	0.630	0.000	2.00	5.789	3.65	26.7	0.0	183.3
64.00		1.00	0.87	6.706	7.38	158.39	0.630	0.000	2.00	5.734	3.61	26.6	0.0	181.6
66.00		1.00	0.87	6.766	7.44	157.57	0.630	0.000	2.00	5.679	3.58	26.6	0.0	179.9
68.00		1.00	0.88	6.825	7.51	156.71	0.630	0.000	2.00	5.624	3.54	26.6	0.0	178.1
70.00		1.00	0.89	6.882	7.57	155.83	0.630	0.000	2.00	5.569	3.51	26.6	0.0	176.4
70.00 7 2.00		1.00	0.90	6.939	7.63	154.92	0.630	0.000	2.00	5.514	3,47	26.5	0.0	174.6
74.00		1.00	0.90	6.994	7.69	153.98	0.630	0.000	2.00	5.460	3.44	26.5	0.0	172.9
76.00		1.00	0.91	7.048	7.75	153.02	0.630	0.000	2.00	5.405	3.40	26.4	0.0	171.1
78.00		1.00	0.92	7.101	7.81	152.03	0.630	0.000	2.00	5.350	3.37	26.3	0.0	169.4
80.00		1.00 1.00	0.92	7.154	7.87	151.02	0.630	0.000	2.00	5.295	3.34	26.3	0.0	167.6
82.00		1.00	0.93	7.205	7.93	149.98	0.630	0.000	2.00	5.240	3.30	26.2	0.0	165.9
84.00			0.94	7.255	7.98	148.92	0.630	0.000	2.00	5.185	3.27	26.1	0.0	164.1
UT.UU		1.00	0.94	7.305	8.04	147.84	0.630	0.000	2.00	5.131	3.23	26.0	0.0	162.4

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Wind Loading - Shaft

Structure: CT13069-A

Base Elev: 1.000 (ft)

Code:

TIA-222-H

7/27/2023

Site Name: Meriden

В

Exposure:

Height:

119.00 (ft)

Crest Height: 0.00

Site Class:

D - Stiff Soil

Gh:	1.1		Topog	raphy:	1	Str	uct Cl	ass:				Page: 48		
	Appurtenance(s)	1.00	0.95	7.353	8.09	146.74	0.630	0.000	2.00	5.076	3.20	25.9	0.0	160.6
		1.00	0.96	7.401	8.14	145.62	0.630	0.000	2.00	5.021	3.16	25.8	0.0	158.9
88.00		1.00	0.96	7.449	8.19	144.47	0.630	0.000	2.00	4.966	3.13	25.6	0.0	157.1
90.00		1.00	0.97	7.495	8.24	143.32	0.630	0.000	2.00	4.911	3.09	25.5	0.0	155.4
92.00		1.00	0.97	7.541	8.29	142.14	0.630	0.000	2.00	4.857	3.06	25.4	0.0	153.6
94.00		1.00	0.98	7.586	8.34	140.94	0.630	0.000	2.00	4.802	3.03	25.2	0.0	151.9
	Appurtenance(s)	1.00	0.99	7.630	8.39	139.73	0.630	0.000	2.00	4.747	2.99	25.1	0.0	150.1
98.00		1.00	0.99	7.646	8.41	139.27	0.630	0.000	0.75	1.766	1.11	9.4	0.0	55.8
	Bot - Section 3		0.99	7.674	8.44	138.50	0.630	0.000	1.25	2.966	1.87	15.8	0.0	163.0
100.00		1.00	1.00	7.717	8.49	137.26	0.630	0.000	2.00	4.701	2.96	25.1	0.0	258.3
102.00		1.00		7.722	8.49	137.10	0.630	0.000	0.25	0.584	0.37	3.1	0.0	32.1
	Top - Section 2	1.00	1.00	7.759	8.54	137.89	0.630	0.000	1.75	4.062	2.56	21.8	0.0	96.5
104.00		1.00	1.00	7.801	8.58	136.63	0.630	0.000	2.00	4.591	2.89	24.8	0.0	109.1
	Appurtenance(s)	1.00	1.01		8.63	135.34	0.630	0.000	2.00	4.536	2.86	24.7	0.0	107.8
108.00		1.00	1.01	7.843	8.67	134.04	0.630	0.000	2.00	4.481	2.82	24.5	0.0	106.5
110.00		1.00	1.02	7.884			0.630	0.000	2.00	4.427	2.79	24.3	0.0	105.2
112.00		1.00	1.02	7.924	8.72	132.73	0.630	0.000	2.00	4.372	2.75	24.1	0.0	103.9
114.00		1.00	1.03	7.964	8.76	131.41	0.630	0.000	2.00	4.317	2.72	23.9	0.0	102.5
116.00	Appurtenance(s)	1.00	1.03	8.003	8.80	130.07	0.630		2.00	4.262	2.69	23.8	0.0	101.2
118.00		1.00	1.04	8.042	8.85	128.72		0.000	1.00	2.110	1.33	11.8	0.0	50.1
119.00		1.00	1.04	8.061	8.87	128.04	0.630	0.000		2.110	1.55		-	
								Totals:	119.00			1,531 <i>.</i> 9		11,161.3

Discrete Appurtenance Forces

Structure: CT13069-A

Site Name: Meriden

Height: 119.00 (ft)

Base Elev: 1.000 (ft)

Gh:

1.1

Topography: 1

Code:

TIA-222-H

Exposure:

В

Crest Height: 0.00 D - Stiff Soil

Site Class:

Struct Class: ||

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SBA

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Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor Wind Load Factor 1.00

1.00

Itera

ations	25
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	Elev					Orient		Total	Dead	Horiz	Vert	Wind	Mom	Mom
No.		scription	Qty	qz (psf)	qzGh (psf)	Factor x Ka	Ka	CaAa (sf)	Load (lb)	Ecc (ft)	Ecc (ft)	FX (lb)	Y (lb-ft)	Z (lb-ft)
1	116.00 Sitepro RI	MQP-4096-HK	1	8.003	8.803	1.00	1.00	34.54	1945.00	0.000	0.000			
2	116.00 AIR6449 E		3	8.003	8.803	0.53	0.75	9.03	309.00	0.000	0.000	304.07	0.00	0.00
3	116.00 Air 32		3	8.003	8.803	0.65	0.75	12.74	396.00	0.000	0.000	79.46	0.00	0.00
4	116.00 APXVAAL	L18-43-U-NA20	3	8.003	8.803	0.55	0.75	25.03	277.80	0.000	0.000	112.18 220.36	0.00	0.00
5	116.00 Exposed N		12	8.003	8.803	0.75	0.75	15.12	360.00	0.000	0.000	133.11	0.00	0.00
6	116.00 KRY 112	•	3	8.003	8.803	0.50	0.75	0.62	33.00	0.000	0.000	5.44	0.00	0.00
7	116.00 SDX19260	Q-43 Diplexer	3	8.003	8.803	0.50	0.75	0.44	18.00	0.000	0.000	3.85	0.00	0.00
8	116.00 Radio 444		3	8.003	8.803	0.38	0.75	2.22	222.00	0.000	0.000	19.51	0.00	0.00
9	116.00 Ericsson 4	415 B25 RRU	3	8.003	8.803	0.38	0.75	1.84	138.00	0.000	0.000	16.24	0.00	0.00 0.00
10	106.00 Samsung	RFS	2	7.801	8.581	0.53	0.75	5.11	37.80	0.000	0.000	43.87	0.00	0.00
11	106.00 Samsung		3	7.801	8.581	0.38	0.75	2.11	253.50	0.000	0.000	18.15	0.00	0.00
12	106.00 Samsung	RFV01U-D1A	3	7.801	8.581	0.38	0.75	2.11	210.90	0.000	0.000	18.15	0.00	0.00
13	106.00 Commsco	pe	3	7.801	8.581	0.38	0.75	0.62	31.20	0.000	0.000	5.31	0.00	0.00
14	106.00 Andrew JA	HH-65B-R3B	6	7.801	8.581	0.38	0.75	20.50	379.80	0.000	0.000	175.90	0.00	0.00
15	106.00 Samsung	VZS01	3	7.801	8.581	0.52	0.75	7.40	261.30	0.000	0.000	63.52	0.00	0.00
16	106.00 Kaelus KA	-6030	2	7.801	8.581	0.49	0.75	0.94	35.20	0.000	0.000	8.03	0.00	0.00
17	106.00 PV-LPP12	M-B w/ Mods	1	7.801	8.581	1.00	1.00	48.40	1615.00	0.000	0.000	415.34	0.00	0.00
18	96.00 1900 MHz		3	7.586	8.344	0.40	0.80	3.25	180.00	0.000	0.000	27.14	0.00	0.00
19	96.00 UDS-NPL	(3 Sectors)	3	7.586	8.344	0.56	0.75	19.07	1050.00	0.000	0.000	159.11	0.00	0.00
20	96.00 NNVV-65E	3-R4	3	7.586	8.344	0.59	0.80	21.79	232.20	0.000	0.000	181.83	0.00	0.00
21	96.00 AAHC		3	7.586	8.344	0.60	0.80	7.56	312.00	0.000	0.000	63.08	0.00	0.00
22	96.00 800 MHz F	RRU	6	7.586	8.344	0.40	0.80	5.98	318.00	0.000	0.000	49.86	0.00	0.00
23	96.00 TD-RRH8x	20-25	3	7.586	8.344	0.40	0.80	4.86	210.00	0.000	0.000	40.55	0.00	0.00
24	96.00 VHLP2-18		2	7.586	8.344	1.00	1.00	9.38	62.00	2.194	0.000		171.69	0.00
25	96.00 VHLP1-23		1	7.586	8.344	1.00	1.00	1.61	14.20	0.000	0.000	13.43	0.00	0.00
26	86.00 MC-PK8-D	SH	1	7.353	8.089	1.00	1.00	34.23	1727.00	0.000	0.000	276.88	0.00	0.00
27	86.00 Raycap		1	7.353	8.089	0.75	0.75	1.51	21.90	0.000	0.000	12.19	0.00	0.00
28	86.00 Fujitsu TA0		3	7.353	8.089	0.38	0.75	2.21	191.70	0.000	0.000	17.84	0.00	0.00
29	86.00 Fujitsu TAC		3	7.353	8.089	0.38	0.75	2.21	225.00	0.000	0.000	17.84	0.00	0.00
30	86.00 MX08FRO	665-21	3	7.353	8.089	0.55	0.75	20.80	193.50	0.000	0.000	168.21	0.00	0.00
							Tatalas		14 004 00					

Totals:

11,261.00

2,748.74

Total Applied Force Summary

CT13069-A Structure:

Code:

TIA-222-H

7/27/2023

Site Name: Meriden

Exposure:

В

119.00 (ft) Height: Base Elev: 1.000 (ft)

Crest Height: 0.00 D - Stiff Soil Site Class:

SBA

Gh:

1.1

Topography: 1

Struct Class: ||

Page: 50

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor

1.00

Wind Load Factor

1.00



Iterations

25

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	
	Description	0.00	0.00	0.00	0.00	
0.00		15.32	144.92	0.00	0.00	
1.00		15.27	144.48	0.00	0.00	
2.00		30.38	287.65	0.00	0.00	
4.00		30.18	285.90	0.00	0.00	
6.00		29.97	284.15	0.00	0.00	
8.00		29.76	282.40	0.00	0.00	
10.00		29.56	280.65	0.00	0.00	
12.00		29.35	278.90	0.00	0.00	
14.00		29.15	277.15	0.00	0.00	
16.00		28.94	275.40	0.00	0.00	
18.00		3.60	34.30	0.00	0.00	
18.25		25.13	239.35	0.00	0.00	
20.00		26.54	271.90	0.00	0.00	
22.00		26.34	270.16	0.00	0.00	
24.00		26.13	268.41	0.00	0.00	
26.00		25.92	266.66	0.00	0.00	
28.00			264.91	0.00	0.00	
30.00		25.98 26.24	263.16	0.00	0.00	
32.00			261.41	0.00	0.00	
34.00		26.47	259.66	0.00	0.00	
36.00		26.67	257.91	0.00	0.00	
38.00		26.85		0.00	0.00	
40.00		27.02	256.16	0.00	0.00	
42.00		27.16	254.41	0.00	0.00	
44.00		27.28	252.66	0.00	0.00	
46.00		27.39	250.91	0.00	0.00	
48.00		27.48	249.16	0.00	0.00	
48.75		10.29	92.99	0.00	0.00	
50.00		17.43	274.28	0.00	0.00	
52.00		27.99	436.01		0.00	
53.25		17.49	270.73	0.00		
54.00		10.49	92.28	0.00	0.00	
56.00		28.08	244.87	0.00	0.00	
58.00		28.11	243.12	0.00	0.00	
60.00		28.13	241.37	0.00	0.00	
62.00		28.13	239.62	0.00	0.00	
64.00		28.13	237.87	0.00	0.00	
66.00		28.12	236.12	0.00	0.00	
68.00		28.09	234.37	0.00	0.00	
70.00		28.06	232.62	0.00	0.00	
72.00		28.02	230.87	0.00	0.00	
74.00		27.96	229.12	0.00	0.00	
76.00		27.91	227.37	0.00	0.00	
78.00		27.84	225.62	0.00	0.00	
80.00		27.77	223.87	0.00	0.00	
82.00		27.68	222.12	0.00	0.00	
84.00		27.60	220.38	0.00	0.00	

Total Applied Force Summary

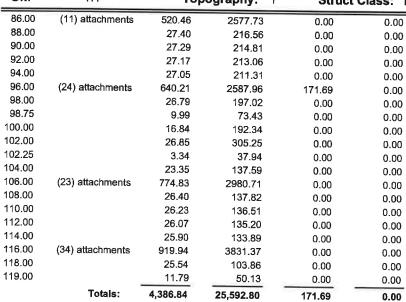
SBA

Structure: CT13069-A Code: TIA-222-H 7/27/2023

Site Name: Meriden Exposure: Height: 119.00 (ft) Crest Height: 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gn:	1.1	Торо	ography: 1	Struct Class:	Page: 51
96.00	(44) ottocheroute	500.40			



Structure: CT13069-A

Code:

TIA-222-H

D - Stiff Soil

В

7/27/2023

Site Name: Meriden

Exposure:

Height:

119.00 (ft)

Crest Height: 0.00

SBA

Base Elev: 1.000 (ft) Gh:

1.1

Topography: 1

Site Class:

Struct Class: II

Page: 52

Iterations

25

Load Case: 1.0D + 1.0W 60 mph Wind

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

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca -	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
	Safety Cable	Yes	1.00	1.200	0.38	0.03	0.04	0.000	0.000	5.420	0.23	0.27
1.00	Step bolts (ladder)	Yes	1.00	1.200	0.63	0.05	0.06	0.000	0.000	5.420	0.38	1.04
1.00	1" Reinforcing plate	Yes	1.00	2.000	1.00	0.08	0.17	0.000	0.000	5.420	0.99	0.00
1.00	Safety Cable	Yes	1.00	1.200	0.38	0.03	0.04	0.000	0.000	5.420	0.23	0.27
2.00	Step bolts (ladder)	Yes	1.00	1.200	0.63	0.05	0.06	0.000	0.000	5.420	0.38	1.04
2.00		Yes	1.00	2.000	1.00	0.08	0.17	0.000	0.000	5.420	0.99	0.00
2.00	1" Reinforcing plate	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	5.420	0.45	0.55
4.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.420	0.75	2.08
4.00	Step bolts (ladder)	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	5.420	1.99	0.00
4.00	1" Reinforcing plate	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	5.420	0.45	0.55
6.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.420	0.75	2.08
6.00	Step bolts (ladder)	Yes	2.00	2,000	1.00	0.17	0.33	0.000	0.000	5.420	1.99	0.00
6.00	1" Reinforcing plate	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	5.420	0.45	0.55
8.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.420	0.75	2.08
8.00	Step bolts (ladder)	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	5.420	1.99	0.00
8.00	1" Reinforcing plate		2.00	1.200	0.38	0.06	0.08	0.000	0.000	5.420	0.45	0.55
10.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.420	0.75	2.08
10.00	Step bolts (ladder)	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	5.420	1.99	0.00
10.00	1" Reinforcing plate	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	5.420	0.45	0.55
12.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.420	0.75	2.08
12.00	Step bolts (ladder)	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	5.420	1.99	0.00
12.00	1" Reinforcing plate	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	5.420	0.45	0.55
14.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.420	0.75	2.08
14.00	Step bolts (ladder)	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	5.420	1.99	0.00
14.00	1" Reinforcing plate	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	5.420	0.45	0.55
16.00	•	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.420	0.75	2.08
16.00	Step bolts (ladder)	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	5.420	1.99	0.00
16.00		Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	5.420	0.45	0.55
18.00		Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.420	0.75	2.08
18.00	Step bolts (ladder)	Yes	2.00	2.000	1.00	0.17	0.33	0.000	0.000	5.420	1.99	0.00
18.00	1" Reinforcing plate	Yes		1.200	0.38	0.01	0.01	0.000	0.000	5.420	0.06	0.07
18.25		Yes	0.25	1.200	0.63	0.01	0.02	0.000	0.000	5.420	0.09	0.26
18.25		Yes	0.25	2.000	1.00	0.02	0.04	0.000	0.000	5.420	0.25	0.00
18.25	_	Yes	0.25 1.75	1.200	0.38	0.06	0.07	0.000	0.000	5.420	0.40	0.48
20.00		Yes		1.200	0.63	0.09	0.11	0.000	0.000	5.420	0.66	1.82
20.00		Yes	1.75	2.000	1.00	0.15	0.29	0.000	0.000	5.420	1.74	0.00
20.00		Yes	1.75	1.200	0.38	0.06	0.08	0.000	0.000	5.420	0.45	0.55
22.00	•	Yes	2.00		0.63	0.10	0.13	0.000	0.000	5.420	0.75	2.08
22.00		Yes	2.00	1.200	0.03	0.06	0.08	0.000	0.000	5.420	0.45	0.55
24.00	•	Yes	2.00	1.200	0.56	0.10	0.13	0.000	0.000	5.420	0.75	2.08
	Step bolts (ladder)	Yes	2.00	1.200		0.10	0.13	0.000	0.000	5.420	0.45	0.55
	Safety Cable	Yes	2.00	1.200	0.38	0.00	0.13	0.000	0.000	5.420	0.75	2.08
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.420	0.45	0.55
28.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	5.420	0.75	2.08
28.00	· · · · · · · · · · · · · · · · · · ·	Yes	2.00	1.200	0.63	0.10	0:13	0.000	0.000	5.476	0.46	0.55
30.00		Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	5.476	0.76	2.08
30.00		Yes	2.00	1.200	0.63		0.13	0.000	0.000	5.574	0.47	0.55
32.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.00	0.000	0.000	2.01		

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

 Site Name:
 Meriden
 Exposure:
 B

 Height:
 119.00 (ft)
 Crest Height:
 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: ||

Page: 53

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



Iterations

SBA

25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
32.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.574	0.77	2.08
34.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	5.669	0.47	0.55
34.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.669	0.79	2.08
36.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	5.760	0.48	0.55
36.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.760	0.80	2.08
38.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	5.847	0.49	0.55
38.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.847	0.81	2.08
40.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	5.931	0.50	0.55
40.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	5.931	0.82	2.08
42.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	6.012	0.50	0.55
42.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.012	0.83	2.08
44.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	6.091	0.51	0.55
44.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.091	0.84	2.08
46.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	6.167	0.52	0.55
46.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.167	0.85	2.08
48.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	6.241	0.52	0.55
48.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.241	0.87	2.08
48.75	Safety Cable	Yes	0.75	1.200	0.38	0.02	0.03	0.000	0.000	6.268	0.20	0.20
48.75	Step bolts (ladder)	Yes	0.75	1.200	0.63	0.04	0.05	0.000	0.000	6.268	0.33	0.78
50.00	Safety Cable	Yes	1.25	1.200	0.38	0.04	0.05	0.000	0.000	6.313	0.33	0.34
50.00	Step bolts (ladder)	Yes	1.25	1.200	0.63	0.07	0.08	0.000	0.000	6.313	0.55	1.30
52.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	6.383	0.53	0.55
52.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.383	0.88	2.08
53.25	Safety Cable	Yes	1.25	1.200	0.38	0.04	0.05	0.000	0.000	6.425	0.34	0.34
53.25	Step bolts (ladder)	Yes	1.25	1.200	0.63	0.07	80.0	0.000	0.000	6.425	0.56	1.30
54.00	Safety Cable	Yes	0.75	1.200	0.38	0.02	0.03	0.000	0.000	6.450	0.20	0.20
54.00	Step bolts (ladder)	Yes	0.75	1.200	0.63	0.04	0.05	0.000	0.000	6.450	0.34	0.78
56.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	6.517	0.54	0.55
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.517	0.90	2.08
58.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	6.581	0.55	0.55
58.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.581	0.91	2.08
60.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	6.644	0.56	0.55
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.644	0.92	2.08
62.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	6.706	0.56	0.55
62.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.706	0.93	2.08
64.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	6.766	0.57	0.55
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.766	0.94	2.08
66.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	6.825	0.57	0.55
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.825	0.95	2.08
	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	6.882	0.58	0.55
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.882	0.95	2.08
	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	6.939	0.58	0.55
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.939	0.96	2.08
	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	6.994	0.58	0.55
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	6.994	0.97	2.08
	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	7.048	0.59	0.55
74.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.048	0.98	2.08

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

Site Name: Meriden Exposure: B
Height: 119.00 (ft) Crest Height: 0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: II



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



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Iterations

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Тор		187:	Lanath		Exposed Width	Area	CaAa		Cf Adjust	qz	FΧ	Dead Load
Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	(in)	(sqft)	(sqft)	Ra	Factor	(psf)	(lb)	(lb)
76.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	7.101	0.59	0.55
76.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.101	0.98	2.08
78.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	7.154	0.60	0.55
78.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.154	0.99	2.08
80.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	7.205	0.60	0.55
80.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.205	1.00	2.08
82.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	7.255	0.61	0.55
82.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.255	1.01	2.08
84.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	7.305	0.61	0.55
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.305	1.01	2.08
84.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	7.353	0.61	0.55
86.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.353	1.02	2.08
86.00 88.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	7.401	0.62	0.55
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.401	1.03	2.08
88.00		Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	7.449	0.62	0.55
90.00	Safety Cable Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.449	1.03	2.08
90.00		Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	7.495	0.63	0.55
92.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.495	1.04	2.08
92.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	80.0	0.000	0.000	7.541	0.63	0.55
94.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.541	1.05	2.08
94.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	7.586	0.63	0.55
96.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.586	1.05	2.08
96.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	7.630	0.64	0.55
98.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.630	1.06	2.08
98.00	Step bolts (ladder)		0.75	1.200	0.38	0.02	0.03	0.000	0.000	7.646	0.24	0.20
98.75	Safety Cable	Yes	0.75	1.200	0.63	0.04	0.05	0.000	0.000	7.646	0.40	0.78
98.75	Step bolts (ladder)	Yes	1.25	1.200	0.38	0.04	0.05	0.000	0.000	7.674	0.40	0.34
100.00	Safety Cable	Yes	1.25	1.200	0.63	0.07	0.08	0.000	0.000	7.674	0.66	1.30
100.00	Step bolts (ladder)	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	7.717	0.65	0.55
102.00	Safety Cable	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.717	1.07	2.08
102.00	Step bolts (ladder)	Yes	0.25	1.200	0.38	0.01	0.01	0.000	0.000	7.722	80.0	0.07
102.25	Safety Cable	Yes	0.25	1.200	0.63	0.01	0.02	0.000	0.000	7.722	0.13	0.26
102.25	Step bolts (ladder)	Yes		1.200	0.38	0.06	0.07	0.000	0.000	7.759	0.57	0.48
104.00	•	Yes	1.75	1.200	0.63	0.09	0.11	0.000	0.000	7.759	0.94	1.82
104.00		Yes	1.75	1.200	0.38	0.06	0.08	0.000	0.000	7.801	0.65	0.55
106.00		Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	7.801	1.08	2.08
106.00		Yes	2.00		0.38	0.06	0.08	0.000	0.000	7.843	0.66	0.55
108.00	•	Yes	2.00	1.200	0.63	0.10	0.03	0.000	0.000	7.843	1.09	2.08
108.00		Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	7.884	0.66	0.55
110.00	•	Yes	2.00	1.200		0.00	0.13	0.000	0.000	7.884	1.09	2.08
110.00		Yes	2.00	1.200	0.63			0.000	0.000	7.924	0.66	0.55
	Safety Cable	Yes	2.00	1.200	0.38	0.06 0.10	0.08 0.13	0.000	0.000	7.924	1.10	2.08
	Step bolts (ladder)	Yes	2.00	1.200	0.63		0.13	0.000	0.000	7.964	0.67	0.55
	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.08	0.000	0.000	7.964	1.10	2.08
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10 0.06	0.13	0.000	0.000	8.003	0.67	0.55
	Safety Cable	Yes	2.00	1.200	0.38		0.08	0.000	0.000	8.003	1.11	2.08
	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000	8.042	0.67	0.55
118.00	Safety Cable	Yes	2.00	1.200	0.38	0.06	0.00			0.0.1		

Structure: CT13069-A

Code:

TIA-222-H

Site Name: Meriden

Exposure:

В

7/27/2023

Height:

Base Elev: 1.000 (ft)

119.00 (ft)

Crest Height: 0.00

SBA

25

Gh:

Topography: 1

Site Class: D - Stiff Soil Struct Class: ||

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Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor

1.00

Wind Load Factor

1.00



Iterations

	ı
Dead	

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
118.00	Step bolts (ladder)	Yes	2.00	1.200	0.63	0.10	0.13	0.000	0.000 Tot	8.042 _	1.11 106.3	2.08 1 54.9

Calculated Forces

Structure: CT13069-A **Code**: TIA-222-H 7/27/2023

Site Name:MeridenExposure:BHeight:119.00 (ft)Crest Height:0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: ||



25

Iterations

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



Seg Elev	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	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
(ft)	(kips)		-0.17	(ft-kips) -399.19	0.00	399.19	2063.18	598.93	2137.28	1829.55	0.00	0.000	0.000	0.193
0.00	-25.59	-4.39 -4.38	-0.17 -0.17	-394.80	0.00	394.80	2059.52	596.68	2121.21	1819.38	0.00	-0.012	0.000	0.160
1.00	-25.45 -25.30	-4.36 -4.37	-0.17	-390.43	0.00	390.43	2055.83	594.42	2105.21	1809.22	0.00	-0.022	0.000	0.159
2.00	-25.30 -25.01	-4.35	-0.17	-381.69	0.00	381.69	2048.36	589.91	2073.38	1788.88	0.02	-0.041	0.000	0.157
4.00		-4.33	-0.17	-372.99	0.00	372.99	2040.76	585.40	2041.79	1768.54	0.04	-0.061	0.000	0.155
6.00	-24.72	-4.33 -4.30	-0.17	-364.34	0.00	364.34	2033.04	580.89	2010.44	1748.19	0.07	-0.081	0.000	0.152
8.00	-24.44 -24.16	-4.28	-0.17	-355.74	0.00	355.74	2025.20	576.38	1979.33	1727.84	0.11	-0.100	0.000	0.150
10.00	-23.87	-4.26	-0.17	-347.17	0.00	347.17	2017.23	571.87	1948.47	1707.49	0.15	-0.120	0.000	0.148
12.00 14.00	-23.59	-4.24	-0.17	-338.65	0.00	338.65	2009.13	567.35	1917.85	1687.14	0.21	-0.139	0.000	0.146
16.00	-23.39	-4.22	-0.17	-330.18	0.00	330.18	2000.92	562.84	1887.48	1666.80	0.27	-0.158	0.000	0.143
18.00	-23.04	-4.19	-0.17	-321.75	0.00	321.75	1992.57	558.33	1857.34	1646.46	0.34	-0.178	0.000	0.141
18.25	-23.04	-4.19	-0.17	-320.70	0.00	320.70	1991.52	557.77	1853.59	1643.92	0.35	-0.180	0.000	0.141
18.25	-23.00	-4.19	-0.17	-320.70	0.00	320.70	1991.52	557.77	1853.59	1643.92	0.35	-0.180	0.000	0.141
20.00	-23.00	-4.17	-0.17	-313.37	0.00	313.37	1984.11	553.82	1827.45	1626.14	0.42	-0.197	0.000	0.204
22.00	-22.49	-4.16	-0.17	-305.02	0.00	305.02	1975.52	549.31	1797.80	1605.83	0.51	-0.225	0.000	0.201
24.00	-22.22	-4.14	-0.17	-296.71	0.00	296.71	1966.80	544.80	1768.39	1585.53	0.61	-0.252	0.000	0.198
26.00	-21.95	-4 .12	-0.17	-288.43	0.00	288.43	1957.96	540.29	1739.23	1565.25	0.72	-0.280	0.000	0.196
28.00	-21.68	-4.11	-0.17	-280.18	0.00	280.18	1948.99	535.78	1710.31	1544.99	0.84	-0.308	0.000	0.193
30.00	-21.41	-4.09	-0.17	-271.97	0.00	271.97	1939.91	531.27	1681.63	1524.76	0.98	-0.335	0.000	0.189
32.00	-21.15	-4.07	-0.17	-263.79	0.00	263.79	1930.69	526.75	1653.19	1504.55	1.13	-0.363	0.000	0.186
34.00	-20.88	-4.05	-0.17	-255.65	0.00	255.65	1921.36	522.24	1624.99	1484.36	1.28	-0.390	0.000	0.183
36.00	-20.62	-4.03	-0.17	-247.55	0.00	247.55	1911.89	517.73	1597.04	1464.21	1.45	-0.417	0.000	0.180
38.00	-20.36	-4.01	-0.17	-239.48	0.00	239.48	1902.31	513.22	1569.33	1444.09	1.63	-0.444	0.000	0.177
40.00	-20.10	-4.00	-0.17	-231.45	0.00	231.45	1892.60	508.71	1541.86	1424.00	1.82	-0.471	0.000	0.173
42.00	-19.85	-3.98	-0.17	-223.46	0.00	223.46	1882.76	504.20	1514.64	1403.96	2.03	-0.497	0.000	0.170
44.00	-19.59	-3.95	-0.17	-215.51	0.00	215.51	1872.80	499.69	1487.66	1383.95	2.24	-0.523	0.000	0.166
46.00	-19.34	-3.93	-0.17	-207.60	0.00	207.60	1862.72	495.18	1460.92	1363.99	2.47	-0.549	0.000	0.163
48.00	-19.09	-3.91	-0.17	-199.73	0.00	199.73	1852.51	490.67	1434.42	1344.07	2.70	-0.575	0.000	0.159
48.75	-19.00	-3.90	-0.17	-196.80	0.00	196.80	1848.65	488.97	1424.55	1336.61	2.79	-0.585	0.000	0.158
50.00	-18.72	-3.89	-0.17	-191.92	0.00	191.92	1842.18	486.15	1408.17	1324.20	2.95	-0.601	0.000	0.155
52.00	-18.29	-3.86		-184.14	0.00	184.14	1831.72	481.64	1382.15	1304.37	3.21	-0.626	0,000	0.151
53.25	-18.01	-3.85		-179.32	0.00	179.32	1841.33	485.79	1406.04	1322.58	3.37	-0.641	0.000	0.145
54.00	-17.92	-3.84	-0.17	-176.43	0.00	176.43	1837.42	484.09	1396.26	1315.14	3.47	-0.651	0.000	0.144
56.00	-17.67	-3.82	-0.17	-168.75	0.00	168.75	1826.91	479.58	1370.36	1295.34	3.75	-0.674	0.000	0.140
58.00	-17.43	-3.79		-161.12	0.00	161.12	1816.27	475.07	1344.70	1275.60	4.04	-0.697	-0.001	0.136
60.00	-17.19	-3.77	-0.17	-153.54	0.00	153.54	1805.51	470.56	1319.28	1255.91	4.34	-0.719	-0.001	0.132
62.00	-16.95	-3.74	-0.17	-146.00	0.00	146.00	1794.62	466.05	1294.11	1236.28	4.64	-0.741	-0.001	0.128
64.00	-16.71	-3.72		-138.52	0.00	138.52	1783.61	461.54	1269.18	1216.72	4.96	-0.763	-0.001	0.123
66.00	-16.47	-3.69		-131.08	0.00	131.08	1772.48	457.03	1244.49	1197.22	5.28	-0.784	-0.001	0.119
68.00	-16.24	-3.67		-123.70	0.00	123.70	1761.22	452.52	1220.04	1177.78	5.61	-0.804	-0.001	0.114
70.00	-16.00	-3.64		-116.36	0.00	116.36	1749.83	448.01	1195.84	1158.41	5.96	-0.824	-0.001	0.110
72.00	-15.77	-3.61		-109.08	0.00	109.08	1738.33	443.49	1171.88	1139.12	6.30	-0.843	-0.001	0.105
74.00	-15.54	-3.59		-101.85		101.85	1726.69	438.98	1148.16	1119.90	6.66	-0.862	-0.001	0.100
76.00	-15.31	-3.56		-94.68	0.00	94.68	1714.94	434.47	1124.68	1100.75	7.03	-0.880	-0.001	0.095
78.00	-15.09	-3.53		-87.55	0.00	87.55	1703.06	429.96	1101.45	1081.68	7.40	-0.897	-0.001	0.090
80.00	-14.86	-3.51		-80.49	0.00	80.49	1691.05	425.45	1078.46	1062.70	7.78	-0.913	-0.001	0.085
82.00	-14.64	-3.48		-73.47	0.00	73.47	1678.92	420.94	1055.71	1043.80	8.16	-0.928	-0.001	0.079
84.00	-14.42	-3.45		-66.51	0.00	66.51	1666.67	416.43	1033.20	1024.99	8.56	-0.943	-0.001	0.074

Calculated Forces Structure: CT13069-A Code: TIA-222-H 7/27/2023 Site Name: Meriden Exposure: В Height: 119.00 (ft) Crest Height: 0.00 SBA Base Elev: 1.000 (ft) Site Class: D - Stiff Soil Gh: 1.1 Topography: 1 Struct Class: || Page: 57 86.00 -11.85 -2.89 -0.17 -59.61 0.00 59.61 1654.29 411.92 1010.94 1006.26 8.95 -0.956-0.001 0.066 88.00 -11.63 -2.86 -0.17 -53.82 0.00 53.82 1641.79 407.41 988.92 987.63 9.36 -0.969-0.001 0.062 90.00 -11.42 -2.83 -0.17 -48.10 0.00 48.10 1629.16 402.89 967.14 969.09 9.77 -0.980 -0.0010.057 92.00 -11.21 -2.81 -0.17-42.43 0.00 42.43 1616.41 398.38 945.60 950.64 10.18 -0.991 -0.001 0.052 94.00 -10.99 -2.78-0.17-36.82 0.00 36.82 1603.53 393.87 924.31 932.30 10.60 -1.000-0.001 0.046 96.00 -8.42 -2.090.00 -31.26 0.00 31.26 1590.53 389.36 903.25 914.06 11.02 -1.009-0.001 0.040 98.00 -8.22 -2.06 0.00 -27.08 0.00 27.08 384.85 1577.41 882.45 895.92 11.44 -1.016 -0.001 0.035 98.75 -8.15 -2.05 0.00 -25.53 0.00 25.53 1572.46 383.16 874.71 889.15 11.60 -1.019 -0.001 0.034 100.00 -7.96 -2.03 0.00 -22.96 0.00 22.96 1564.16 380.34 861.88 877.89 11.87 -1.023-0.001 0.031 102.00 -7.65 -2.00 0.00 -18.900.00 18.90 1550.79 375.83 841.56 859.97 12.30 -1.029-0.001 0.027 102.25 -7.61-2.000.00 -18.40 0.00 18.40 1064.30 286.02 649.87 600.31 12.35 -0.001 -1.0300.038 104.00 -7.48 -1.970.00 -14.900.00 14.90 1057.83 283.06 636.49 590.45 12.73 -1.034-0.001 0.032 106.00 -4.51 -1.140.00 -10.960.00 10.96 1050.33 279.67 621.36 579.20 13.17 -1.039 -0.001 0.023 108.00 -4.37-1.12 0.00 -8.67 0.00 8.67 1042.70 276.29 606.42 567.99 13.60 -1.043 -0.001 0.019 110.00 -4.24 -1.090.00 -6.44 0.00 6.44 1034.95 272.91 591.66 556.81 14.04 -1.046-0.001 0.016 112.00 -4.10 -1.06 0.00 -4.270.00 4.27 1027.07 269.52 577.08 545.68 14.48 -1.048 -0.0010.012 114.00 -3.97-1.03 0.00-2.150.00 2.15 1019.06 266.14 562.68 534.58 14.92 -1.049-0.001 800.0 116,00 -0.15-0.040.00 -0.09 0.00 0.09 1010.94 262.76 548.47 523.52 15.36 -1.050 -0.001 0.000 118.00 -0.05 -0.01 0.00 -0.01 0.000.01 1002.69 259.37 534.43 512.52 15.80 -1.050 -0.001 0.000

998.51

257.68

527.49

507.03

16.02

-1.050

-0.001

0.000

119.00

0.00

-0.01

0.00

0.00

0.00

0.00

Final Analysis Summary

Structure: CT13069-A

Code:

TIA-222-H

7/27/2023

Site Name: Meriden

Exposure:

Height:

SBA

119.00 (ft)

Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class:

D - Stiff Soil

Gh:

1.1

Topography: 1

Struct Class: ||

Page: 58

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.0W 119 mph Wind	19.3	0.00	30.70	0.01	0.75	1769.71
0.9D + 1.0W 119 mph Wind	19.3	0.00	23.02	0.01	0.75	1745.23
1.2D + 1.0Di + 1.0Wi 50 mph Wind	5.7	0.00	41.87	0.00	0.16	508.41
1.2D + 1.0Ev + 1.0Eh	0.4	0.00	31.86	0.00	0.00	45.80
0.9D + 1.0Ev + 1.0Eh	0.4	0.00	24.14	0.00	0.00	45.05
1.0D + 1.0W 60 mph Wind	4.4	0.00	25.59	0.00	0.17	399.19

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
4.3D + 4.0W 440 mph Wind	-27.04	-18.43	-0.75	-1391.5	-0.01	-1391.5	1984.11	553.82	1827.45	1626.14	20.00	0.870
1.2D + 1.0W 119 mph Wind 0.9D + 1.0W 119 mph Wind	-20.21	-18.31	-0.75	-1368.2	-0.01	-1368.2	1984.11	553.82	1827.45	1626.14	20.00	0.853
1.2D + 1.0Di + 1.0Wi 50 mph Wind		-5.42	-0.16	-396.40	0.00	-396.40	1984.11	553.82	1827.45	1626.14	20.00	0.263
1.2D + 1.0Ev + 1.0Eh	-28.36	-0.42	0.00	-37.56	0.00	-37.56	1984.11	553.82	1827.45	1626.14	20.00	0.037
0.9D + 1.0Ev + 1.0Eh	-21.49	-0.41	0.00	-36.86	0.00	-36.86	1984.11	553.82	1827.45	1626.14	20.00	0.034
1.0D + 1.0W 60 mph Wind	-22.76	-4.17	-0.17	-313.37	0.00	-313.37	1984.11	553.82	1827.45	1626.14	20.00	0.204

Additional Steel Summary

			1000	ermedi		Lov	ver Te	rminat	ion	Up	per Te	rminat	ion	N	Max Me		
Elev From	Elev To (ft)	Member	VQ/I (lb/in)	Vu (kips)	phi Vn (kips)	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	Pu (kips)	phi Pn (kips)	phi Tn (kips)	Ratio
(ft)	` '		, ,		25.3	126.4	25.3	6	0	231.8	25.3			126.38	288.5 2	98.82	0.438
0.0	1.0	(3) SOL-1 3/4" William R71	-212.6	-2.55				U	•			40		231.82			
1.0	18.3	(3) LNP-LP6X100-B-20T	-228.3	-5.48	25.3	231.8	25.3			210.9	22.1	10	1.1	231.02	251.02	.52.50	0.700

Base Plate Summary

Structure: CT13069-A

Code:

TIA-222-H

7/27/2023

Site Name: Meriden

Exposure:

В

Height:

119.00 (ft)

Crest Height: 0.00

Gh:

Site Class: D - Stiff Soil SBA

Base Elev: 1.000 (ft)

1.1

Topography: 1

Struct Class: II

Reactio	ns	Base Pla	ate	Anchor	Bolts
Original De	esign	Yield (ksi):	60.00	Bolt Circle:	49.12
Moment (kip-ft):	1627.50	Width (in):	47.00	Number Bolts:	8.00
Axial (kip):	26.65	Style:	Clipped	Bolt Type:	2.25" 18J
Shear (kip):	19.08	Polygon Sides:	0.00	Bolt Diameter (in):	2.25
Analysis (1.2D	+ 1.0W)	Clip Length (in):	7.00	Yield (ksi):	75.00
Moment (kip-ft):	1769.71	Effective Len (in):	12.84	Ultimate (ksi):	100.00
Axial (kip):	30.70	Moment (kip-in):	470.57	Arrangement:	Clustered
Shear (kip):	19.30	Allow Stress (ksi):	81.00	Cluster Dist (in):	6.00
		Applied Stress (ksi):	43.74	Start Angle (deg):	45.00
		Stress Ratio:	0.54	Compres	ssion
				Force (kip):	160.95
				Allowable (kip):	268.39
				Ratio:	0.60
				Tensio	n
				Force (kip):	153.27
				Allowable (kip):	243.75
				Ratio:	0.63



	1 24 15	Declar	Date
Mono	pole Mat Foundation	Design	7/25/2023
Customer Name:	Verizon	TIA Standard:	TIA-222-H
Site Name:		Structure Height (Ft.):	120
Site Number:	CT13069-A	Engineer Name:	SBA Engineer
Engr. Number:		Engineer Login ID:	

Foundation Info Obtained from:		Drawings/Calculations		
Structure Type:		Monopole		
Analysis or Design?		Analysis		1,00
Base Reactions (Factored):				* 787
	30.7	Shear Force (Kips):	19.3	7 # 4
Axial Load (Kips):	0.0	Moment (Kips-ft):	1769.7	
Uplift Force (Kips):	0.0	Women (raps 14)		18 # 8
Foundation Geometries:				5.5 / 18 # 8
		Mods required -Yes/No ?:	No	18 # 8
Diameter of Pier (ft.):	6.0	Depth of Base BG (ft.):	5.5	0 0 0 0 0 0
Pier Height A. G. (ft.):	1.00	Thickness of Pad (ft):	1.50	1.50
Length of Pad (ft.):	17.5	Width of Pad (ft.):	17.5	<u> </u>
Length of Fac (12.).				17.5
Final Length of pad (ft)	17.5	Final width of pad (ft):	17.5	0.0
Material Properties and Reabr Info:				6.0
Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	0 ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	1,4
Vertical Rebar Size #:	8	Tie / Stirrup Size #:	4	17.5 W
Qty. of Vertical Rebars:	26	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	8	26 # 8
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	
Rebar at the bottom of the concrete	pad:			0.00
Qty. of Rebar in Pad (L):	18	Qty. of Rebar in Pad (W):	18	0.0
Rebar at the top of the concrete pac	l:			17.5 L
Qty. of Rebar in Pad (L):	18	Qty. of Rebar in Pad (W):	18	
Soil Design Parameters:				
Soil Unit Weight (pcf):	120.0	Soil Buoyant Weight:	57.6	
Water Table B.G.S. (ft):	16.0	Unit Weight of Water:	62.4	•
Ultimate Bearing Pressure (psf):	12000	Ultimate Skin Friction:	0	131 Aligie Halli Bottill O. Fall
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for beari Reduction factor on the m		. Ito Albe from Dottin C. Can
Consider soil hor, resist, for OTM.:	No	Reduction factor on the m	idXIIIIUIII 3	Soli Dealing pressure.
Foundation Analysis and Design:	Unlift St	rength Reduction Factor:	0.75	Compression Strength Reduction Factor: 0.75
Total Dry Soil Volume (cu. Ft.):	Opinese	2118-11712-2-1121	1111.90	90 Total Dry Soil Weight (Kips): 133.43
Total Buoyant Soil Volume (cu. F	t.):		0.00	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Total Effective Soil Weight (Kips)			133.43	
Total Dry Concrete Volume (cu.			600.75	
Total Buoyant Concrete Volume	(cu. Ft.):		0.00	254.24
Total Effective Concrete Weight	(Kips):		90.11	1 Total Vertical Load on Base (Kips): 254.24
Check Soil Capacities:				Capacity Ratio
Calculated Maxium Net Soil Pressure	under th	ne base (psf):	4686	Allowable Factored Soil Bearing (psf): 9000 0.52 OK!
Allowable Foundation Overturning F			2029.0	
Factor of Safety Against Overturning	(O. R. M	oment/Design Moment):	1.07	OK!

Page 2/2 Date:

7/25/2023

Check the capacities of Reinforceing Concrete:						
Strength reduction factor (Flexure and axial tension):	0.90	Stren	gth reduction factor (Shear):	0.75		
Strength reduction factor (Axial compression):	0.65	Wind	Load Factor on Concrete Design:	1.00		
(1) Concrete Pier:					Load/ Capacity Ratio	
Vertical Steel Rebar Area (sq. in./each):	0.79		Tie / Stirrup Area (sq. in./each):	0.20		
Calculated Moment Capacity (Mn, Kips-Ft):	2994.3	>	, ,	1866.2	0.62	OK!
Calculated Shear Capacity (Kips):	501.5	>	Design Factored Shear (Kips):	19.3	0.04	OK!
Calculated Tension Capacity (Tn, Kips):	1109.2	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	7162.1	>	Design Factored Axial Load (Pu Kips):	30.7	0.00	OK!
Moment & Axial Strength Combination:	0.62		Check Tie Spacing (Design/Required):	55.7	1	OK!
Pier Reinforcement Ratio:	0.005		Reinforcement Ratio is satisfied per ACI	1		011.
(2).Concrete Pad:						
One-Way Design Shear Capacity (L-Direction, Kips):	288.9	>	One-Way Factored Shear (L-D. Kips):	167.7	0.58	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	288.9	>	One-Way Factored Shear (W-D., Kips)	167.7	0.58	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	269.6	>	One-Way Factored Shear (C-C, Kips):	172.7	0.64	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0047	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0047		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	889.6	>	Moment at Bottom (L-Dir. K-Ft):	511.5	0.57	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	889.6	>		511.5	0.57	OK!
Lower Steel Pad Moment Capacity (Corner-Corner, K-ft):	1240.8	>	Moment at Bottom (C-C Dir. K-Ft):	723.4	0.58	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0047	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0047		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	889.6	>	Moment at the top (L-Dir K-Ft):	228.6	0.26	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	889.6	>	Moment at the top (W-Dir K-Ft):	228.6	0.26	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	1240.8	>		217.0	0.17	OK!
WALLS TO WEST						
(3). Check Punching Shear Capacity due to Moment in the Pier:						
Moment transferred by punching shear:	707.9	k-ft.	Max. factored shear stress v _{u_CD} :		2.0	Psi
Max. factored shear stress v _{u_AB} :	15.3	Psi	Factored shear Strength φν _n :		189.7	Psi
Max. factored shear stress v_u :	15.3	Psi	Check Usage of Punching Shear Capa	city:	80.0	OK!
(4).Check Bending Capacity of the Pad Within the Effective Slab Width:						
Overturning moment to be transferred by flexure:	F20.0		=======================================			
Calculated number of Rebar in Effective width:	530.9	k-ft.	Effective Width for resisting OT moment:		10.5	ft.
	11		Actual number of Rebar in Effective widtl		11	
Steel Pad Moment Capacity (L-Direc. Kips-ft):	543.2	k-ft.	Check Usage of the Flexure Capacity:		0.98	OKI





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

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10207129 Colliers Engineering & Design CT, P.C. Project #: 23777149

July 24, 2023

Site Information

Site ID:

5000382428-VZW / MERIDEN SE CT

Site Name:

MERIDEN SE CT Verizon Wireless

Carrier Name:

651 Paddock Ave

Address: 651 Pa

Meriden, Connecticut 06450 New Haven County

Latitude:

41.512656°

Longitude:

-72.779936°

Structure Information

Tower Type:

120-Ft Monopole

Mount Type:

12.58-Ft Platform

FUZE ID # 17123794

Analysis Results

Platform: 43.6% Pass*

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

***Contractor PMI Requirements:

Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com

For additional questions and support, please reach out to: pmisupport@colliersengineering.com

Report Prepared By: Grant Walters

Digitally signed by Derek Hartzell

July 24, 2023 Site ID: 5000382428-VZW / MERIDEN SE CT Page | 2

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: 324333, Dated December 18, 2020
Mount Mapping Report	Delta Oaks Group, Site ID: 469355, dated February 23, 2021
Previous Mount Modification	Maser Consulting Connecticut, Project #: 20777580 Dated April 29, 2021
Previous Post Modification Inspection	Colliers Engineering & Design CT, P.C. Project #: 20777580 Dated June 23, 2023
Filter Add Scope	Provided by Verizon Wireless

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-
ocaco ana otanaaras.	ANO!/ I IA-222-

Connecticut State Building Code (CSBC), Effective October 1, 2022

Wind Parameters: Basic Wind Speed (Ultimate 3-sec. Gust), Vult: 120 mph

Ice Wind Speed (3-sec. Gust):

Design Ice Thickness:

Risk Category:

Exposure Category:

Topographic Category:

Topographic Feature Considered:

120 mph
1.00 in
1.00

Topographic Feature Considered: N/A
Topographic Method: N/A
Ground Elevation Factor, Ke: 0.988

Seismic Parameters: Ss: 0.203 g

 S_1 : 0.055 g

Maintenance Parameters: Wind Speed (3-sec. Gust): 30 mph

Maintenance Live Load, Lv: 250 lbs. Maintenance Live Load, Lm: 500 lbs.

Analysis Software: RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model Model	Status
1-7		6	Commscope	JAHH-65B-R3B	
		3	Samsung	MT6407-77A	
		3	Commscope	CBC78T-DS-43-2X	Retained
106.00	107.00	3	Samsung	B2/B66A RRH-BR049	Retairied
100.00	20,100	3	Samsung	B5/B13 RRH-BR04C	
	Ì	2	Raycap	RRFDC-3315-PF-48	
		2	KAelus	KA-6030	Added

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-24AB-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.
- 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.
- 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.
- The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

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

o Channel, Solid Round, Angle, Plate

ASTM A36 (Gr. 36)

HSS (Rectangular)

ASTM 500 (Gr. B-46)

o Pipe

ASTM A53 (Gr. B-35)

o Threaded Rod

ASTIVI ASS (GI. E

o Polto

F1554 (Gr. 36)

o Bolts

ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Arm	14.0 %	Pass
Standoff Horizontal	4.7 %	Pass
Platform Support Plates	13.7 %	Pass
Platform Angle	9.0 %	Pass
Face Horizontal	9.9 %	Pass
Antenna pipe	19.8 %	Pass
Pipe2.5	17.6 %	Pass
Corner Angle	26.8 %	Pass
Support Rail	11.0 %	Pass
Support Rail Corner	19.2 %	Pass
Kickers	8.1 %	Pass
Mount Connection	43.6 %	Pass

Structure Rating – (Controlling Utilization of all Components)	43.6%	
--	-------	--

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

Ice	Mount Pipe	s Excluded	Mount Pipes Included				
Thickness (In)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)			
0	30.4	30.4	48.4	48.4			
0.5	39.9	39.9	65.1	65.1			
11	48.3	48.3	80.7	80.7			

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

Mount Structural Analysis Report (1) 12.58-Ft Platform

July 24, 2023 Site ID: 5000382428-VZW / MERIDEN SE CT Page | 5

Requirements:

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

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

Attachments:

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

Mount Desktop - Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

For additional questions and support, please reach out to pmisupport@colliersengineering.com

MDG #: 5000382428

SMART Project #: 10207129

Fuze Project ID: 17123794

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

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

Antenna & equipment placement and Geometry Confirmation:

Antenna & equipment present
 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.
\Box The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.
OR
☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.
Special Instructions / Validation as required from the MA or any other information the contractor
deems necessary to share that was identified:
Issue:
13340.
Response:
Special Instruction Confirmation:
\square The contractor has read and acknowledges the above special instructions.
\square All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.
☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.
OR
☐ The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.

Comments:	
Contractor certifies that	the climbing facility / safety climb was not damaged prior to starting work:
	salety chilib was not damaged prior to starting work:
□ Yes □	No
Contractor certifies no n	new damage created during the current installation:
□ Yes □	No
Contractor to certify the	condition of the safety climb and verify no damage when leaving the site:
☐ Safety Climb in	Good Condition ☐ Safety Climb Damaged
Control of the second	
Certifying Individual:	
Co	
Company: Employee Name:	
Contact Phone:	
Email:	
Date:	

Structure: 5000382428-VZW - MERIDEN SE CT

Sector:

Mount Elev:

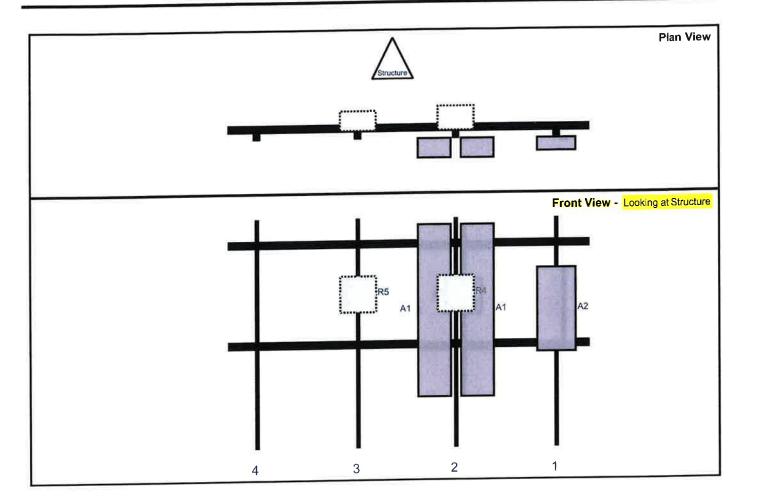
Structure Type: Monopole

106.00

10207129

7/20/2023





		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
A2	MT6407-77A	35.1	16.1	137	1	а	Front	38.64	0	Retained	12/19/2022
A1	JAHH-65B-R3B	72	13.8	95	2	а	Front	38.76	9	Retained	12/19/2022
A1	JAHH-65B-R3B	72	13.8	95	2	b	Front	38,76	-9	Retained	12/19/2022
R4	B2/B66A RRH-BR049	15	15	95	2	а	Behind	31.68	0	Retained	12/19/2022
R5	B5/B13 RRH-BR04C	15	15	54	3	а	Behind	31.68	0	Retained	12/19/2022
M82	CBC78T-DS-43-2X	6.4	6.9		Memb	er				Retained	12/19/2022
OVP2		19.1	15.7		Memb	er				Retained	12/19/2022
M200	Alpha	6.4	6.9		Memb	er				Retained	12/19/2022
M91	beta	6.4	6.9		Memb	ег				Retained	12/19/2022
OVP1	RRFDC-3315-PF-48	19.1	15.7		Memb	er				Retained	12/19/2022

Structure: 5000382428-VZW - MERIDEN SE CT

Sector: **B** 7/20/2023

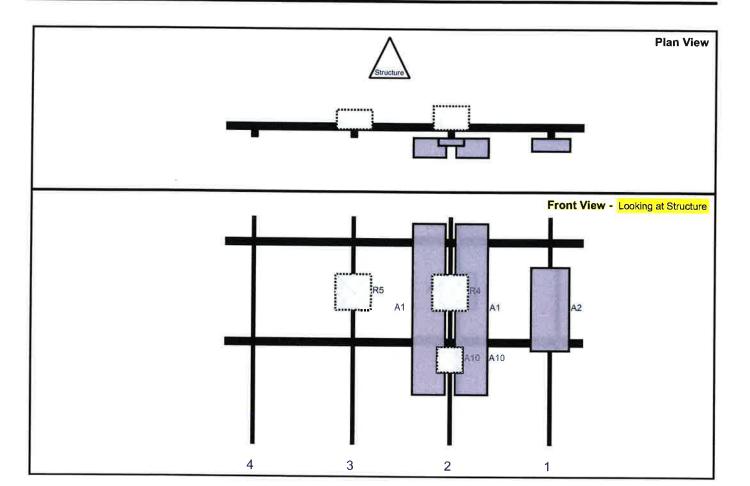
Structure Type: Monopole

106.00

Mount Elev:

10207129

Colliers Engineering & Design



		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
A2	MT6407-77A	35.1	16.1	137	1	а	Front	38.64	0	Retained	12/19/2022
A1	JAHH-65B-R3B	72	13.8	95	2	а	Front	38.76	9	Retained	12/19/2022
A1	JAHH-65B-R3B	72	13.8	95	2	b	Front	38.76	-9	Retained	12/19/2022
R4	B2/B66A RRH-BR049	15	15	95	2	а	Behind	31.68	0	Retained	12/19/2022
A10	KA-6030	10.6	10.9	95	2	а	Front	60	0	Added	
A10	KA-6030	10.6	10.9	95	2	b	Behind	60	0	Added	
R5	B5/B13 RRH-BR04C	15	15	54	3	а	Behind	31.68	0	Retained	12/19/2022

Sector:

Mount Elev:

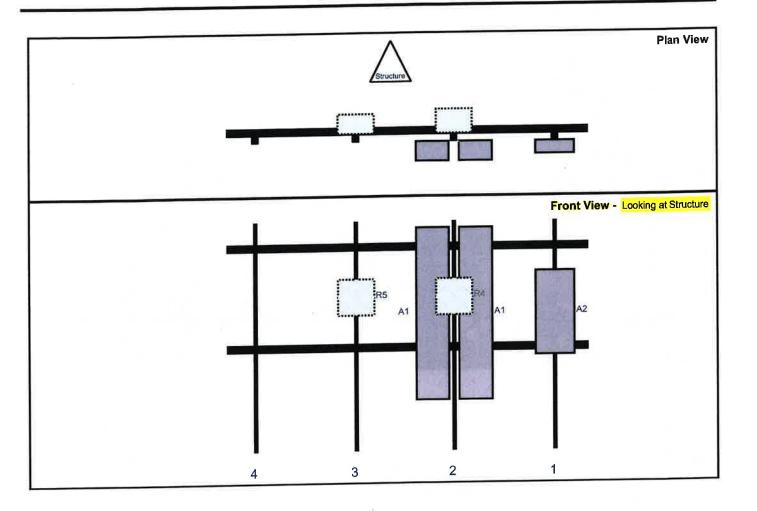
106.00

Structure Type: Monopole

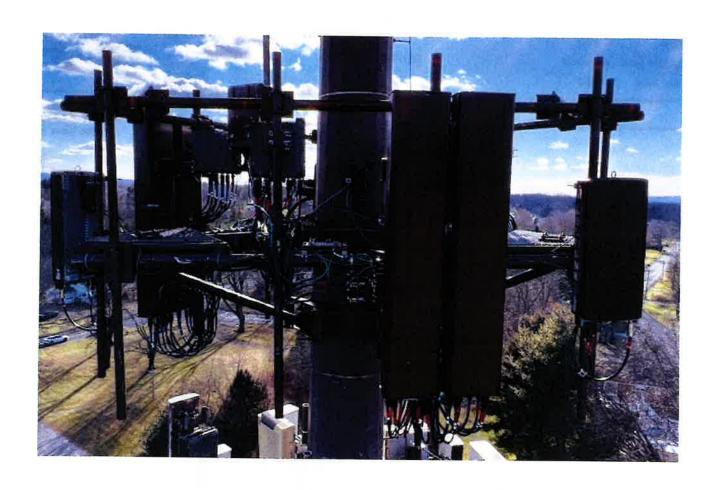
10207129

7/20/2023





D 64	Madel	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant	Ant H Off	Status	Validation
Ref#	Mrodel Mr6407-77A	35.1	16.1	137	1	а	Front	38.64	0	Retained	12/19/2022
A2	JAHH-65B-R3B	72	13.8	95	2	a	Front	38.76	9	Retained	12/19/2022
A1	JAHH-65B-R3B	72	13.8	95	2	b	Front	38.76	-9	Retained	12/19/2022
R4	B2/B66A RRH-BR049	15	15	95	2	а	Behind	31.68	0	Retained	12/19/2022
R5	B5/B13 RRH-BR04C	15	15	54	3	а	Behind	31.68	0	Retained	12/19/2022





V3.6 Updated on 8-31-2020

31.5



			The second	FCC #
	Antenna Mount Mapping	Form (PATENT PENDING)		1261171
	ISBA	Mapping Date:		/2021
Tower Owner:	Meriden SE	Tower Type:		opole
Site Name: Site Number or ID:	469355	Tower Height (Ft.):		20
Mapping Contractor:	Delta Oaks Group	Mount Elevation (FL):		06 publication.

Mapping Contractor: [Delta Oaks Group | Mount Elevation (Ft.): 106

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Tower Face Width at Mount Elev. (ft.):

175 11	20 40 40	2500		GFL: I	27
12. 4	9"	0.00		Foct 1	1/113
TAPE I	7 11			C-X: 60	79 at to
Pare: (18	1 55			12) 114%	H781
5c1: 3	2,0	-(5)	+		
3000	-		1		
-		9.	1		
		900/	88	13	
		00/2	0300		
-		0/41	1200		13
	700	100	111	0,	
-	-	5 0	0 0		
	-	ř ě	- 0		
		-5-	-	#L	Ho
				38.00	37
P9 1,2,	4.5,20			53°	9"
SBn##	- 1165	3			-
Pan 3	6,9	-	_	41*	18
RX4-8	2563-6	BF - L	1.1	1 0	-0"
RX4 -8 #16 UNI	E 866A	RRH 43	440	40"	4
-# 11 B13	RR#	4×30		40"	-9
#19 NH	F4 Ba.	FRRH	4×30	40"	-
#13 R	DE DC -	3215-	PF-48	110	

Sector / Position	Mount Pipe Size & Length	h Offset	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	eometries [Unit = Inches] Nount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1 C2, C3, etc.
A1	2.4"x.156"x95"	52.75	14.00	C1	2.4"x.156"x96"	52.75	14.00
A2	2.4"x.156"x96"	52.75	56,50	C2	2.4"x.156"x96"	52.75	56.50
A3	2.4"x.156"x96"	52.75	97.00	C3	2.4"x.156"x96"	52.75	97.00
A4	2.4"x.156"x96"	52.75	139.00	C4	2.4"x.156"x96"	52.75	139.00
AS	E-4 ALESO NOV			C5			
A6				C6.			
81	2.4"x.156"x96"	52.75	14.00	D1			
B2	2.4"x.156"x96"	52.75	56.50	D2			
B3	2.4"x.156"x96"	52.75	97.00	D3:			
B4	2.4"x.156"x96"	52.75	139.00	D4			
B5				DS			-
86				D6			
- 00	Distance between bottom ra	il and moun	t CL elevati	on (dim d). Unit is inches. See 'Mount Elev Ref' ta	o for details. :	0.00
_	Distance from	top of botto	m support r	ail to low	est tip of ant./eqpt. of Carrier above. (N	(A)(> 10 ft.):	- 0:
_	Distance from to	on of botton	n support ra	all to high	est tip of ant/eqpt. of Carrier below. (N	/Aif > 10 ft.) :	6
_	Distance from the	Please ent	er additions	al infomat	ion or comments below,		

Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):

SECTOR B

FACE B

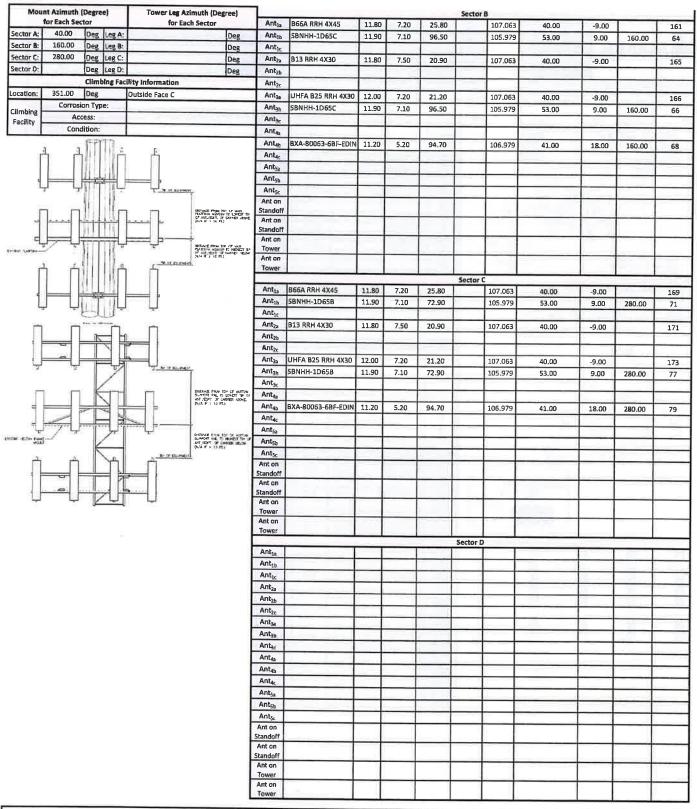
LEG C

SECTOR C

Hocizontal Offset 'h'

	Enter antenna	model.	If not label	ed, enter '	'Unknown'	£	Mountin [Units are incl	Photos of antennas		
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center- line (Ft.)	Vertical Distances"b _{1a} , b _{2a} , b _{3a} , b _{1b} ." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Number
_					Sector A					
Antia	866A RRH 4X45	11.80	7.20	25.80	FH, (2) 1-1	107.063	40.00	-9.00		152
Ant _{1b}	SBNHH-1D65C	11.90	7.10	96.50		105.979	53.00	9.00	40.00	56
Antıc										
Antza	B13 RRH 4X30	11.80	7.50	20.90		107.063	40.00	-9.00		154
Ant _{2h}										
Ant _{2c}										
Anta	UHFA B25 RRH 4X30	12.00	7.20	21.20		107.063	40.00	-9.00		158
Antab	SBNHH-1D65C	11.90	7.10	96.50		105.979	53.00	9.00	40.00	58
Ant _{3c}										
Ant _{4a}										
Ant _{4b}	BXA-80063-6BF-EDIN	11.20	5.20	94.70		106.979	41.00	18.00	40.00	60
Ant _{4c}										
Ant _{Sa}										
Ant _{5b}										
Ant _{5c}										
Ant on Standoff	RRFDC-3315-PF-48	15.73	10.25	25.66		110				163
Ant on Standoff										
Ant on Tower										
Ant on Tower										

2	Antu	4	Anta	2	Anto	40	Ante	Ž	Arrisa
	7.8	T	, r	Ţ	Å	(a	ž	1	
i		-			N.	-	-		
-	Antie		Antie		Antx		Antie	-	Antse
C1			7						
			- (3	5		-		



1		
2		
3		
4		
5		_
6		_
7		
8		

Mapping Notes

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

 5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
- Please measure and report the size and length of all existing antenna mounting pipes.
- 7. Please measure and report the antenna information for all sectors.

 8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

Standard Conditions

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

MASER

			V3.0 Updated on t	1-31-2020
	Antenna Mount Mapping	Form (PATENT PENDING)		FCC N
Tower Owner;	SBA	Mapping Date:	1 20	1261171
Site Name:	Meriden SE	Tower Type:		nopole
Site Number or ID:	469355	Tower Height (Ft.):		120
Mapping Contractor:	Delta Oaks Group	Mount Elevation (Ft.):	106	

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Please Insert Sketches of the Antenna Mount

Please insert Sketches of the Antenna Mount		
meriden SECT V	Zw M	0
AZ: 40° 165°, 280° mgl: 106°	GFW. 1	2'7"
mat: 106	Fcc;	1361131 518"5 FH 51876
50: 39"	CX: 6) 1	5/8"5 th
Pole: (18) 5.5°	(2) 11418	HYARA
Scl: 3510		21.02
9201	14	
800	13 -	
6/5 000	0	
7 0/8' ()000	2	13-
10 00 H 10 H	D 3	-
6.000		
5		
	FL	Ho
PM 1,2, 4, 5, 7,8	<i></i>	작
SBn##-11065B	53"	9"
Pan 3, 6, 9		
BX4-80063-6BF-EDIN	41"	18"
#16 UHIE R66A RRH 4x 45	40"	-9"
#11 B13 R'R# 4×30	40	-9"
#12 UHF4 B25 RRH 4x30 #13 BRFDC-3315- PF-48	40"	-9"
#13 RRFDC-3315- PF-48	110'	
3/12		

	Gap:	1914"		
10"%	30"× 16	132" WK	D 24306	TR 6340
10'x10	"x 24/3	à 4(4)	24/32eB	7*6-4
85'x	5 X 12	12a		191 2 1.2
51x3	"× 12	133" ×	69"	
X 6/	32"× 1	51"		
S.	0 -1 as 66	5.5		
a-	A 8	4		
N o	B			
	G G G G G			
Arres an	Te .	•	No.	
	a	•		Ŧ
		રું જા		
		Í		
1		,		
	1	1		
	8.5'x 5'x	10"x 30"x 16 10"x 10"x 24/3 8.5"x 5"x 12 5"x 3" x 12	85'x 5'x 12/32	10"x 30" x 16/32" \(\dark\dark\dark\dark) 24/32" \(\dark\dark\dark\dark\dark\dark\dark\dark

Scanned with CamScanner



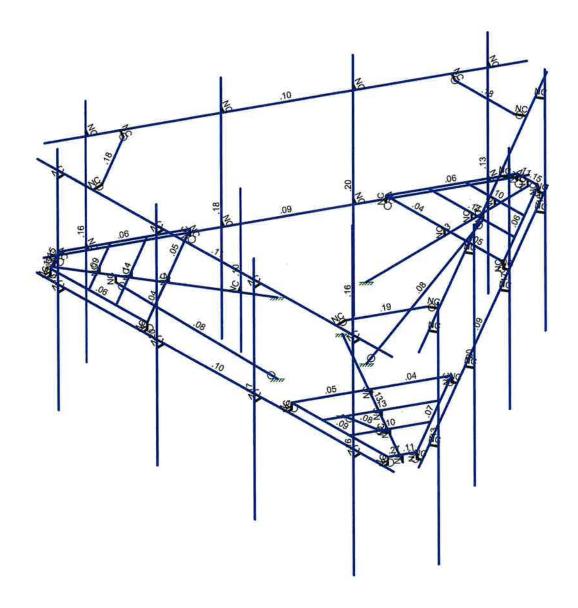


Colliers Engineering & De				
AE				
Project No. 10207129	_			

SK - 1
July 20, 2023 at 10:28 AM
5000382428-VZW MT LO Hr3d





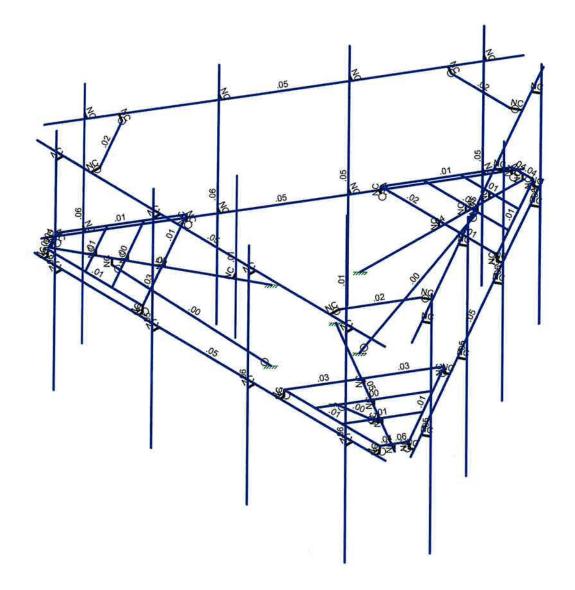


Member Code Checks Displayed (Enveloped) Results for LC 1, 1.2D+1.0Wo (0 Deg)

Colliers Engineering & De		SK - 2
AE	5000382428-VZW_MT_LO_H	July 20, 2023 at 10:28 AM
		5000382428-VZW_MT_LO_H.r3d
Project No. 10207129		







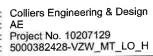
Member Shear Checks Displayed (Enveloped) Results for LC 1, 1.2D+1.0Wo (0 Deg)

Colliers Engineering & De...
AE
Project No. 10207129

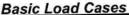
5000382428-VZW_MT_LO_H

SK - 3

July 20, 2023 at 10:29 AM 5000382428-VZW_MT_LO_H.r3d



July 20, 2023 10:29 AM Checked By: DX



IRISA

	BLC Description	Category	X Gravity Y Gravity Z Gr	ravity Joint	Point	DistributedArea(M	Surface
1	Antenna D	None			93		4
2	Antenna Di	None			93		
3	Antenna Wo (0 Deg)	None			93		_
4	Antenna Wo (30 Deg)	None			93		
5	Antenna Wo (60 Deg)	None			93		
6	Antenna Wo (90 Deg)	None			93		
7	Antenna Wo (120 Deg)	None			93		
8	Antenna Wo (150 Deg)	None			93		
9	Antenna Wo (180 Deg)	None			93		
10	Antenna Wo (210 Deg)	None			93		
11	Antenna Wo (240 Deg)	None			93		
12	Antenna Wo (270 Deg)	None			93		
13	Antenna Wo (300 Deg)	None			93		
14	Antenna Wo (330 Deg)	None			93		
15	Antenna Wi (0 Deg)	None			93		
16	Antenna Wi (30 Deg)	None			93		
17	Antenna Wi (60 Deg)	None			93		
	Antenna Wi (90 Deg)	None			93		
18	Antenna Wi (120 Deg)	None			93		
19	Antenna Wi (150 Deg)	None			93		
20	Antenna Wi (180 Deg)	None			93		
21	Antenna Wi (210 Deg)	None			93		
22	Antenna Wi (240 Deg)	None			93		
23	Antenna Wi (270 Deg)	None			93		
24		None			93	_	
25	Antenna Wi (300 Deg)	None			93		
26	Antenna Wi (330 Deg)	None			93		
27	Antenna Wm (0 Deg)	None			93		
28	Antenna Wm (30 Deg)	None			93		
29	Antenna Wm (60 Deg)	None			93		
30	Antenna Wm (90 Deg)	None			93		
31	Antenna Wm (120 Deg)				93		
32	Antenna Wm (150 Deg)	None			93		
33	Antenna Wm (180 Deg)	None			93		
34	Antenna Wm (210 Deg)	None			93		
35	Antenna Wm (240 Deg)	None			93		
36	Antenna Wm (270 Deg)	None			93		
37	Antenna Wm (300 Deg)	None			93		
38	Antenna Wm (330 Deg)	None			33	3	
39	Structure D	None	-1			53 3	
40	Structure Di	None			+	106	
41	Structure Wo (0 Deg)	None		_	_	106	
42	Structure Wo (30 Deg)	None				106	
43	Structure Wo (60 Deg)	None				106	
44	Structure Wo (90 Deg)	None			-		
45	Structure Wo (120 Deg)	None			-	106	-
46	Structure Wo (150 Deg)	None				106	-
47	Structure Wo (180 Deg)	None				106	
48	Structure Wo (210 Deg)	None			40	106	
49	Structure Wo (240 Deg)	None				106	-
50	Structure Wo (270 Deg)	None			-	106	
51	Structure Wo (300 Deg)	None				106	_
52	Structure Wo (330 Deg)	None				106	-
53	Structure Wi (0 Deg)	None				106	
54	Structure Wi (30 Deg)	None				106	
55	Structure Wi (60 Deg)	None				106	
56	Structure Wi (90 Deg)	None				106	

Colliers Engineering & Design AE Project No. 10207129 5000382428-VZW_MT_LO_H

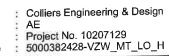
July 20, 2023 10:29 AM Checked By: DX

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	7 Gravity	Joint	Point	Distributed A	rea/Me	Surface/
57	Structure Wi (120 Deg)	None	1	- Cidvity	LOIDVILY	JOHN	1 Onte	106	i colivie.	.Surrace(
58	Structure Wi (150 Deg)	None						106		
59	Structure Wi (180 Deg)	None						106		
60	Structure Wi (210 Deg)	None						106		
61	Structure Wi (240 Deg)	None						106		
62	Structure Wi (270 Deg)	None						106		
63	Structure Wi (300 Deg)	None						106		
64	Structure Wi (330 Deg)	None						106		
65	Structure Wm (0 Deg)	None						106		
66	Structure Wm (30 Deg)	None						106		
67	Structure Wm (60 Deg)	None						106		
68	Structure Wm (90 Deg)	None						106		
69	Structure Wm (120 Deg)	None						106		
70	Structure Wm (150 Deg)	None						106		
71	Structure Wm (180 Deg)	None						106		
72	Structure Wm (210 Deg)	None						106		
73	Structure Wm (240 Deg)	None						106		
74	Structure Wm (270 Deg)	None						106		
75	Structure Wm (300 Deg)	None						106		
76	Structure Wm (330 Deg)	None						106		
77	Lm1	None					1	100		
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					93			
82	Antenna Eh (0 Deg)	None					62			
83	Antenna Eh (90 Deg)	None					62			
84	Structure Ev	ELY		043					3	
85	Structure Eh (0 Deg)	ELZ			108				3	
86	Structure Eh (90 Deg)	ELX	.108						3	
87	BLC 39 Transient Area Loads	None						70		
88	BLC 40 Transient Area Loads	None						70		
89	BLC 84 Transient Area Loads	None						70		
90	BLC 85 Transient Area Loads	None						70		
91	BLC 86 Transient Area Loads	None						70		

Load Combinations

	Description So)elta	S E	3 F	-a	В	Fa	В	Fa	BLC	Fa.	BLC	Fa	В	Fa	В	Fa	В	Fa	В	Fa	B	Fa
1	1.2D+1.0Wo (0 Deg) Ye	es	Υ		1	1.2	39	1.2	3	1	41	1	1	T	T		T	1	T	1	T		T	T. G
2	1.2D+1.0Wo (30 D Ye	es	Y		1	1.2	39		4	1	42	1			1									
3	1.2D+1.0Wo (60 D Ye	es	Υ		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 D Ye	es	Υ		1	1.2	39	12	6	1	44	1								_		- 7		
5	1.2D+1.0Wo (120 Ye	es	Y		1	_	39		7	1	45	1								_				_
6	1.2D+1.0Wo (150 Ye	es	Y		1	-	39		8	1	46	1					1							
7	1.2D+1.0Wo (180 Ye	es	Υ		1	1.2	39	1.2	9	1	47	1			\vdash						T			1
8	1.2D+1.0Wo (210 Ye	es	Υ		1 '	1.2	39	1.2	10	1	48	1					1							
9	1.2D+1.0Wo (240 Ye	es	Y		1	1.2	39	1.2	11	1	49	1			\vdash									\vdash
10	1.2D+1.0Wo (270 Ye	es	Υ		1 .	1.2	39	12	12	1	50	1									1			1
11	1.2D+1.0Wo (300 Ye	es	Y		1 '	1.2	39	1.2	13	1	51	1												_
12	1.2D+1.0Wo (330 Ye	es '	Υ		1 1		_	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0 Ye	es	Υ		1		_	1.2	2	1	40	1	15	1	53	1	T							
14	1.2D + 1.0Di + 1.0 Ye	es	Y		1 1	1.2	39	1.2	2	1	40	1	16	1	54	1			1					
15	1.2D + 1.0Di + 1.0 Ye	es '	Y		1	1.2	39	12	2	1	40	1	17	1	55	1			1					
16	1.2D + 1.0Di + 1.0 Ye		Y		1 1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0 Ye	es	Y		1 1	1.2	39	1.2	2	1	40	1	19	1	57	1								



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Load Combinations (Continued)

IRISA

Load Combinations (Co	ontinuea)		_	-				200100	CASA .	******	essen i	201		22.	uneron o	-	_			_	F-
Description Solve	PDelta	SB	Fa	В	Fa	В	Fa	BLC	Fa	BLC	Fa	B	Fa	В	Fa	В	Fa	B	ra	B	ra
18 1.2D + 1.0Di + 1.0 Yes	Y	1	1.2	39	1.2	2	1	40	1_	20	1	58	1_			_		-		-	
19 1.2D + 1.0Di + 1.0 Yes	Ý	1	1.2	39	1.2	2	1	40	1	21	1	59	1					_			
20 1.2D + 1.0Di + 1.0 Yes	Ý		1.2				1	40	1	22	1	60	1								
	Ý		1.2				1	40	1	23	1	61	1								
21 1.2D + 1.0Di + 1.0 Yes 22 1.2D + 1.0Di + 1.0 Yes	Y	1	1.2	39	12	2	1	40		24	1	62	1								
22 1.2D + 1.0Di + 1.0 Yes	Y		1.2				1	40		25	1	63	1								
23 1.2D + 1.0Di + 1.0 Yes	Y	1		39			1	40		26	1	64					- 1				
24 1.2D + 1.0Di + 1.0 Yes		_					1.5		1	65	1	-									
25 1.2D + 1.5Lm1 + 1 Yes	Y	1	1.2	39	1.2	77	1.5	20		66											
26 1.2D + 1.5Lm1 + 1 Yes	Y		1.2	39	1.2	11	1.5	20	1	67	1										
27 1.2D + 1.5Lm1 + 1 Yes	Y						1.5				1		_								
28 1.2D + 1.5Lm1 + 1 Yes	Y	1	1.2	39	1.2	11	1.5	30	1	68	-	-	-	_							
29 1.2D + 1.5Lm1 + 1 Yes	Y	1	1.2	39	1.2	11	1.5	31	1	69	1		-								
30 1.2D + 1.5Lm1 + 1 Yes	Υ	1	1.2	39	1.2	77	1.5	32	1	70	1		-	_	_	-	_	-		-	
31 1.2D + 1.5Lm1 + 1 Yes	Υ	1		39	1.2	77	1.5	33	1	71	1_				_			\vdash			
32 1.2D + 1.5Lm1 + 1 Yes	Y	1	1.2				1.5			72	1_										-
33 1.2D + 1.5Lm1 + 1 Yes	Υ	1	1.2	39	1.2	77	1.5	35	1	73	1					_	_	_	_	\vdash	
34 1.2D + 1.5Lm1 + 1 Yes	Y						1.5			74	1_							_			
35 1.2D + 1.5Lm1 + 1 Yes	Ÿ	1					1.5		1	75	1										
451 4 4 1	Y		12	39	1.2	77	1.5	38	1	76	1										
7 7 1 1 1	Y	1	1 2	39	12	78	1.5	27	1	65	1										
37 1.2D + 1.5Lm2 + 1Yes	Y	1					1.5		_	66	1										
38 1.2D + 1.5Lm2 + 1 Yes	Y	1					1.5			67	1										
39 1.2D + 1.5Lm2 + 1 Yes			1.2	30	1.2	78	1.5	30	1	68	1										
40 1.2D + 1.5Lm2 + 1 Yes	Y	1							1	69	1										
41 1.2D + 1.5Lm2 + 1 Yes	Y	1	1.2	39	1.2	70	1.5	37	_	70	1							\vdash			
42 1.2D + 1.5Lm2 + 1 Yes	Υ	1	1.2	39	1.2	70	1.5	32	1				-		-		_				
43 1.2D + 1.5Lm2 + 1 Yes	Y		1.2	39	1.2	1/8	1.5	33	1	71	1		-					\vdash	-		
44 1.2D + 1.5Lm2 + 1 Yes	Y	1					1.5			72	1		-				-	\vdash	-	-	
45 1.2D + 1.5Lm2 + 1 Yes	Y	1	1.2	39	1.2	78	1.5	35	1	73	1		_	_	_			\vdash	-		
46 1.2D + 1.5Lm2 + 1 Yes	Y	1	1.2	39	1.2	78	1.5	36	1	74	1						-	\vdash	-	\vdash	
47 1.2D + 1.5Lm2 + 1 Yes	Υ	1	1.2	39	1.2	78	1.5	37	1	75	1				_		_	\vdash	-	-	
48 1.2D + 1.5Lm2 + 1 Yes	Y	1	1.2	39	1.2	78	1.5	38	1	76	1							_	-	-	
	Ý	1					1.5											\perp	_	_	
	Ÿ	1					1.5														
	Y	1		39																	
51 1.4D Yes	Y	1		39			1	ELY	1	82	1	83		E	1	E					
52 1.2D + 1.0Ev + 1.0Yes	Y	1		39			_	ELY	_		.866			E	.866	E	.5				
53 1.2D + 1.0Ev + 1.0 Yes				39				ELY	_	82			.866				.866				
54 1.2D + 1.0Ev + 1.0 Yes	Y	1						ELY	-	82	0		1			E	1				
55 1.2D + 1.0Ev + 1.0 Yes	Y	1	1.2	39	1.2	01	<u> </u>	ELY	_	82	5		.866		- 5		.866				-11
56 1.2D + 1.0Ev + 1.0 Yes	Y	1		39				_	_	_					8			\vdash			
57 1.2D + 1.0Ev + 1.0 Yes	Y	1		39				ELY	+	82	8			E		E		1	_		-
58 1.2D + 1.0Ev + 1.0 Yes	Y	1	1.2	39	1.2	81	1	ELY	_	82		83				_	-		-	\vdash	
59 1.2D + 1.0Ev + 1.0 Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	8	83	5	E	0	E	0		+		\vdash
60 1.2D + 1.0Ev + 1.0 Yes	Y	1	1.2	39	1.2	81	1			82	5	83	0	E	5	F	0	+	-		
61 1.2D + 1.0Ev + 1.0 Yes	Y	1	1.2	39	1.2	81		ELY	_	82	-	83	-1	E		-	-1	+		\vdash	
62 1.2D + 1.0Ev + 1.0 Yes	Υ	1	1.2	39	1.2	81	1	ELY	1	82	.5	83	8	E	.5	<u> </u>	8	-	_	-	-
63 1.2D + 1.0Ev + 1.0 Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	.866	83							1_	1	\vdash
	Υ	1	.9	39	.9	81	-1	ELY	1-1	82	1	83				E					
	Ý	1	1 0	39	.9	81	-1	ELY	1-1	82	.866	83	.5	E	.866	E	.5				
0.00 1.05 1.0 11.	Y	1	i a	30	9	81	-1	ELY	1-1			83	.866	E	.5	E	.866	1			
66 0.9D - 1.0Ev + 1.0 Yes	Y	1	0	30	a	81	-1	ELY	1-1	82		83		E		E.,,					
67 0.9D - 1.0Ev + 1.0 Yes		-	0	30	0	21	-1	FLY	1-1	82	5	83				E					
68 0.9D - 1.0Ev + 1.0 Yes	Y	1		28	0	01	-1	EI V	-1	22	8	83	5	E	8.	E	.5	П			
69 0.9D - 1.0Ev + 1.0 Yes	Y	1	1.9	39	.9	읝	-1	Eiv	-		-1	83	.0		-1						
70 0.9D - 1.0Ev + 1.0 Yes	Υ	1	1.9	39	.9	0	-1	ELV	-1	82	8	00	E					1			
71 0.9D - 1.0Ev + 1.0 Yes	Υ	1	1.9	39	.9	187	-1	ELY	-1		F.G	00	5	E	. E	E	5	+	1		\vdash
72 0.9D - 1.0Ev + 1.0 Yes	Υ	1	.9	39	.9	181	-1	ELY	-1	82	5								-	-	\vdash
73 0.9D - 1.0Ev + 1.0 Yes	Y	1	.9	39	.9	81	-1	ELY	1-1	82	<u> </u>		-1			_	-1	_		-	\vdash
74 0.9D - 1.0Ev + 1.0 Yes	Υ	1	.9	39	.9	81	-1	ELY	1-1	82	1.5	83	8	E	5	E	8			_	
1.7 [5.5]			_							00.17						1				200	a 3



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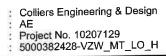
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Load Combinations (Continued)

Description Sol	ve	PDelta	S	В	Fa	В	Fa	В	Fa.	BLCFa	BLC	Fa	В	Fa B	F	B	Fa	B	Fa	B F	Fa
75 0.9D - 1.0Ev + 1.0 Ye	es	Υ		1	.9	39	.9	81	-1	ELY -1	82	.866	83	- 5 E	8	66 E.	1-5	1		<u> </u>	a

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diag
1	N143	- 0.	0.	-0.	0	
2	N63	-0.	0.	-7.126668	0	
3	N66	0.000042	0.	-7.085616	0	
4	N67	0.000042	0,	-1.335002	0	
5	N68	2.083334	0.	-4.126669	0	
6	N69	2.209628	0.	-4.199585	0	
7	N70	-2.08325	0	-4.126669	0	
8	N71	0.000042	0.	-4.126669	0	
9	N72	0.375021	0.	-7.085616	0	
10	N73	-0.374945	0.	-7.085603	0	
11	N74	0.501288	0.	-7.158516	0	
12	N75	-0.501274	0.	-7.15854	0	
13	N76	2.083334	0.208333	-4.126669	0	
14	N77	-2.08325	0.208333	-4.126669	0	
15	N78	0.000042	0.208333	-4.126669	0	
16	N79	0.375021	0.208333	-7.085616	0	
17	N80	-0.374945	0.208333	-7.085603	0	
18	N81	0.000042	0.	-5.91892	0	
19	N82	0.000042	0.	-5.085586	0	
20	N83	0.000042	0.208333	-5.91892	0	
21	N84	0.000042	0.208333	-5.085586	0	
22	N85	1.048599	0.208333	-5.91892	0	
23	N86	1.529714	0.208333	-5.085586	0	
24	N87	-1.048515	0.208333	-5.91892	0	
25	N88	-1.529631	0.208333	-5.085586	ő	
26	N180	-2.209631	0	-4.199579	Ö	
27	N222A	-5.78794	0.	4.013386	0	
28	N242A	-2.071393	0	4.013386	0	
29	N248A	2.071393	0.	4.013386	0	
30	N253A	5.787912	0.	4.013386	0	
31	N273B	-0.000014	0.	4.013386	0	
32	N275A	-6.291681	0.	4.013386	0	
33	N276A	6.291654	0.	4.013386	0	
34	N277A	-5.291681	0.	4.013386	0	
35	N278A	-1.791681	0.	4.013386	0	
36	N279A	1.624985	0.	4.013386	0	
37	N280A	5.124985	0.	4.013386		
38	N281A	-5.291681	0.	4.263386	0	
39	N282A	-1.791681	0.	4.263386	0	
40	N283A	1.624985	0.		0	
41	N284A	5.124985	0.	4.263386	0	
42	N295A	-5.291681		4.263386	0	
43	N296A	-1.791681	4.395833	4.263386	0	
44	N297A		4.395833	4.263386	0	
45	N298A	1.624985	4.395833	4.263386	0	
46	N299A	5.124985	4.395833	4.263386	0	
47	N300A	-5.291681	-3.604167	4.263386	0	
48	N301A	-1.791681	-3.604167	4.263386	0	
49	N301A N302A	1.624985	-3.604167	4.263386	0	
50	N64	5.124985	-3.604167	4.263386	0	
51		0.000042	0.208333	<i>-</i> 7.085616	0	
JL	N82A	-6.107679	0.	4.013386	0	



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	Label	X [ft]	Y [ft]	Z [ft]	Temp (F)	Detach From Diag
52	N114	6.107652	0.	4.013386	0	
53	N170A	-3.6493	0.	4.013386	00	
54	N181A	3.649306	0.	4.013386	0	
55	N195C	0.000042	0.	-5.502253	0	
56	N196B	0.000042	-0.208333	-5.502253	0	
57	N215	5.124985	0.120833	4.263386	0	
58	N216	5.124985	-0.4625	4.263386	0	
59	N75A	-6.171876	0.	3.563334	0	
60	N76A	-6.136261	0.	3.542772	0	
61	N77A	-1.156167	0.	0.667465	0	
62	N78A	-4.615467	0.	0.259114	0	
63	N79A	-4.741761	0.	0.186199	0	
64	N80A	-2.532175	0	3.867482	0	
65	N81A	-3.573781	0.	2.063298	0	
66	N82B	-6.323834	0.	3.21803	0	
67	N83A	-5.94884	0.	3.867513	0	
68	N84A	-6.450101	0.	3.14513	0	
69	N85A	-5.94884	0.	4.013386	0	
70	N86A	-4.615467	0.208333	0.259114	0	
71	N87A	-2.532175	0.208333	3.867482	0	
72	N88A	-3.573821	0.208333	2.063298	0	
	N89	-6.323834	0.208333	3.21803	0	
73	N90	-5.94884	0.208333	3.867513	0	
74	N91	-5.12589	0.	2.959424	0	
75	N92	-4.404214	0.	2.542757	0	
76	N93	-5.125956	0.208333	2.959424	0	
77		-4.404214	0.208333	2.542757	0	
78	N94	-5.650234	0.208333	2.051346	0	
79	N95	-5.169104	0.208333	1.218022	0	
80	N96	-4.601688	0.208333	3.867482	0	
81	N97	-3.639438	0.208333	3.867482	0	
82	N98	-2.532127	0.20000	4.013386	0	
83	N99	-6.136344	0.208333	3.542772	0	
84	N100	-2.022189	0.	1.167471	0	
85	N101	-2.147192	0.	0.950959	0	
86	N102	-2.147192	-2	0.950959	0	
87	N103	-2.147192	3	0.950959	0	
88	N104		0.	2.75109	0	
89	N105	-4.765052 -4.765112	-0.208333	2.75109	0	
90	N106	6.171876	0.	3.563334	0	
91	N108		0.	3.542844	0	
92	N109	6.136386	0.	0.667537	0	
93	N110	1.156125	0.	3.867555	0	
94	N111	2.532133	0.	4.013386	0	
95	N112	2.532133	0.	0.259187	0	
96	N113	4.615425	0.	2.063371	0	
97	N114A	3.57382	0.	3.867585	0	
98	N115	5.948813	0.	3.21809	0	
99	N116	6.323784	0.	4.013386	Ö	
100	N117	5.948813	0.	3.145153	Ö	
101	N118	6.450114	0.208333	3.867555	0	
102	N119	2.532133		0.259187	0	
103	N120	4.615425	0.208333	2.063371	0	
104	N121	3.573779	0.208333	3.867585	0	
105	N122	5.948813	0.208333	3.21809	0	
106	N123	6.323784	0.208333		0	
107	N124	5.12598	0.	2.959496	0	
108	N125	4.40428	0	2.542829		



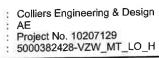
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Project No. 10207129
5000382428-VZW_MT_LO_H

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Joint Coordinates and Temperatures (Continued)

110 N127 4.40428 0.208333 2. 111 N128 4.601628 0.208333 3. 112 N129 3.639378 0.208333 3. 113 N130 5.650193 0.208333 2. 114 N131 5.169062 0.208333 1. 115 N132 4.741758 0 0. 116 N133 6.136302 0.208333 3.	Z [ft] Temp [F] Detach From Di 959496 0
110 N127 4.40428 0.208333 2. 111 N128 4.601628 0.208333 3. 112 N129 3.639378 0.208333 3. 113 N130 5.650193 0.208333 2. 114 N131 5.169062 0.208333 1. 115 N132 4.741758 0 0. 116 N133 6.136302 0.208333 3.	542829 0 367585 0 367585 0 051419 0 218094 0
111 N128 4.601628 0.208333 3. 112 N129 3.639378 0.208333 3. 113 N130 5.650193 0.208333 2. 114 N131 5.169062 0.208333 1. 115 N132 4.741758 0 0. 116 N133 6.136302 0.208333 3.	367585 0 367585 0 051419 0 218094 0
112 N129 3.639378 0.208333 3. 113 N130 5.650193 0.208333 2. 114 N131 5.169062 0.208333 1. 115 N132 4.741758 0 0. 116 N133 6.136302 0.208333 3.	367585 0 051419 0 218094 0
113 N130 5.650193 0.208333 2. 114 N131 5.169062 0.208333 1. 115 N132 4.741758 0 0. 116 N133 6.136302 0.208333 3.	051419 0 218094 0
114 N131 5.169062 0.208333 1. 115 N132 4.741758 0 0. 116 N133 6.136302 0.208333 3.	218094 0
115 N132 4.741758 0 0. 116 N133 6.136302 0.208333 3.	
116 N133 6.136302 0.208333 3	
	186193 0
4.47	542844 0
	167537 0
	751163 0
	751163 0
120 N128A 6.369664 0. 3	00581 0
	212814 0
122 N130A 2.439998 03.	300572 0
123 N131A 0.581738 07.	019172 0
124 N132A 3.475701 02.	006681 0
125 N133A 6.621535 0. 34	42063 0
126 N134A 0.329867 07	155425 0
127 N135A 6.121535 0. 2.5	0 0
128 N136A 4.371535 0 -0	455052 0
100	413972 0
1400	145061 0
101	51037 0
400	580052 0
100	538972 0
101	570061 0
105	
100	
407	580052 0
100	538972 0
100 1111	570061 0
440	51037 0
1144 11	580052 0
140	338972 0
1440	570061 0
0. 0.2	82712 0
145	296075 0
440 1454	53693 0
147 1457	67085 0
1.120100 0.120000 -0.3	70061 0
440 1400 -0.	70061 0
450	019196 0
2.100000	300572 0
450 N405 00.2	212814 0
	05786 0
	06705 0
	55449 0
	42039 0
	89423 0
157 N170 -2.579854 03.5	558334 0
158 N171 -4.288187 00.5	99414 0
159 N172 -6.038187 0. 2.4	31675 0
160 N173 -1.04636 06.7	14423 0
161 N174 -2.79636 03.6	83334 0
162 N175 -4.504694 00.7	24414 0
163 N176 -6.254694 0. 2.3	06675 0
164 N177 -1.04636 4.395833 -6.7	14423 0
	83334 0



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Joint Co	ordinates and	Temperatures (C		5000	The state of the s	Datash From Dian
	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
166	N179	-4.504694	4.395833	-0.724414	0	
167	N180A	-6.254694	4.395833	2.306675	0	
168	N181	-1.04636	-3.604167	-6.714423	0	
169	N182	-2.79636	-3.604167	-3.683334	0	
170	N183	-4.504694	-3.604167	-0.724414	0	
171	N184	-6.254694	-3.604167	2.306675	0	
172	N185	-0.421855	0.	-7.296099	0	
173	N186	-6.52952	0.	3.282689	0	
	N187	-1.651045	0.	-5.167079	0	
174	N188	-5.300347	0.	1.153699	0	
175		-6.254694	0.120833	2.306675	0	
176	N189	-6.254694	-0.4625	2.306675	0	
177	N190		4	1.167537	0	
178	N178A	2.02215	1,166667	4.263386	0	
179	N179A	-1.791681		4.263386	0	
180	N180B	-1.791681	2.166667		0	
181	N181B	-1.791681	0.166667	4.263386		
182	N182A	-1.791681	2.916667	4.263386	0	
183	N183A	-1.791681	-0.583333	4.263386	0	
184	N184A	-5.291681	1.75	4.263386	0	
185	N185A	-6.250015	3.5	4.013386	0	
186	N186A	6.249987	3.5	4.013386	0	
187	N187A	-5.291681	3.5	4.013386	0	
	N188A	-1.791681	3.5	4.013386	0	
188		1.624985	3.5	4.013386	0	
189	N189A		3.5	4.013386	0	
190	N190A	5.124985	3.5	4.263386	0	
191	N191	-5.291681		4.263386	0	
192	N192	-1.791681	3.5		0	
193	N193	1.624985	3.5	4.263386	0	
194	N194	5.124985	3.5	4.263386		
195	N195	4.511391	3.5	-0.212814	0	
196	N196	6.600702	3.5	3.405978	0	
197	N197	0.350701	3.5	-7.419341	0	
198	N198	6.121535	3.5	2.576037	0	
199	N199	4.371535	3.5	-0.455052	0	
	N200	2.663202	3.5	-3.413972	0	
200	N201	0.913202	3.5	-6.445061	0	
201	N202	6.338041	3.5	2.451037	0	
202		4.588041	3.5	-0.580052	0	
203	N203		3.5	-3.538972	0	
204	N204	2.879708	3.5	-6.570061	0	
205	N205	1.129708		-7.419364	0	
206	N206	-0.350687	3.5	3.405955	0	
207	N207	-6.600688	3.5		0	
208	N208	-0.829854	3.5	-6.589423		
209	N209	-2.579854	3.5	-3.558334	0	
210	N210	-4.288187	3.5	-0.599414	0	
211	N211	-6.038187	3.5	2.431675	0	
212	N212	-1.04636	3.5	-6.714423	0	
213	N213	-2.79636	3.5	-3.683334	0	
214	N214	-4.504694	3.5	-0.724414	0	
	N215A	-6.254694	3.5	2.306675	0	
215		-4.291681	3.5	4.013386	0	
216	N216A		3.5	4.013386	0	
217	N217	4.291654	3.5	3.700886	0	
218	N218	4.291654		3.700886	0	
219	N220	-4.291679	3.5		0	
220	N221	5.621535	3.5	1.710012		
221	N222	1.329867	3.5	-5.723374	0	
222	N223	1.059234	3.5	-5.567124	0	

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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap.
223	N224	5.350901	3.5	1.86626	0	Воздол голгозор.
224	N226	-1.329854	3.5	-5.723398	0	
225	N227	-5.621521	3.5	1,709988	0	
226	N228	-5.350888	3.5	1.866238	0	
227	N229	-1.059222	3.5	-5.567147	0	- t
228	N228A	0.000042	-2.5	-1.335002	0	
229	N229A	-1.156167	-2.5	0.667465	0	
230	N230	1.156125	-2.5	0.667537	Ö	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design	A [in2]	lyy [in4]	Izz [in4]	J [in4]
1	Standoff Arm	HSS5X3X5	Beam	Tube	A500 Gr.B Rect	Typical	4.1	5.6	12.6	13.1
2	TES SA	HSS5X5X3	Beam	Tube	A500 Gr.B Rect	Typical	3.28	12.6	12.6	19.9
3	Platform Support Plates	PL1/4x2	Beam	RECT	A36 Gr.36	Typical	.5	.003	.167	.01
4	Platform Angle	L2.5x1.5x4	Beam	Single Angle	A36 Gr.36	Typical	.947	.16	.594	.021
5	Kickers	LL3x3x3x6	Beam	Single Angle	A36 Gr.36	Typical	2.18	4.97	1.9	.027
6	Standoff Horizontal	L5X4.75X4	Beam	Single Angle	A36 Gr.36	Typical	23	41.522	46.319	15.147
7	TES SH	L5X5X5	Beam	Single Angle	A36 Gr.36	Typical	3.07	7.44	7.44	.108
8	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
9	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1,45	2.89
11	Antenna pipe	PIPE 2.0	Column		A53 Gr.B	Typical	1.02	.627	.627	1.25
12	Corner Angle		Beam	RECT	A36 Gr.36	Typical	1.813	.85	4.795	.036
13	TES CA	L5X3X4	Beam	RECT	A36 Gr.36	Typical	1.94	1.41	5.09	.044
14	Pipe2.5	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	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	12
2	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1 1
3	A992	29000	11154	.3	.65	.49	50	1.1	65	1 1
	A500 Gr.B RND	29000	11154	.3	.65	.49	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	49	46	1 4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M46	N68	N69	77.02302.023		RIGID	None	None	RIGID	Typical
2	M47	N70	N180			RIGID	None	None	RIGID	Typical
3	M48	N67	N63			Standoff Arm	Beam		A500 Gr.B.	Typical
4	M49	N72	N74			RIGID	None	None	RIGID	Typical
5	M51	N73	N75			RIGID	None	None	RIGID	Typical
6	M53	N78	N76		180	Standoff Horizontal	Beam	Single Angle		Typical
7	M54	N77	N78		180	Standoff Horizontal	Beam	Single Angle		
8	M55	N77	N70			RIGID	None	None	RIGID	Typical
9	M56	N76	N68			RIGID	None	None	RIGID	Typical
10	M57	N78	N71			RIGID	None	None	RIGID	Typical
11	M58	N73	N80			RIGID	None	None	RIGID	Typical
12	M59	N72	N79			RIGID	None	None	RIGID	Typical
13	M60	N81	N83			RIGID	None	None	RIGID	Typical
14	M61	N82	N84			RIGID	None	None	RIGID	Typical
15	M62	N87	N85		90	Platform Support P	Beam	RECT	A36 Gr.36	Typical



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Member Primary Data (Continued)

	Label	1 Joint	Continu€ J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List		Design Rules
16	M63	N88	N86		90	Platform Support P	Beam	RECT	A36 Gr.36	Typical
	M66	N77	N80		90	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
17	M67	N79	N76		90	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
18		N275A	N276A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
19	M200	N280A	N284A			RIGID	None	None	RIGID	Typical
20	M182A		N283A			RIGID	None	None	RIGID	Typical
21	M183A	N279A				RIGID	None	None	RIGID	Typical
22	M184A	N278A	N282A			RIGID	None	None	RIGID	Typical
23	M185A	N277A	N281A			Antenna pipe	Column	Pipe	A53 Gr.B	Typical
24	MP4A	N295A	N299A			Antenna pipe	Column	Pipe	A53 Gr.B	Typical
25	MP3A	N296A	N300A				Column		A53 Gr.B	Typical
26	MP2A	N297A	N301A			Pipe2.5	Column	Pipe	A53 Gr.B	Typical
27	MP1A	N298A	N302A		4	Antenna pipe			RIGID	Typical
28	M36	N66	N64			RIGID	None	None	A36 Gr.36	Typical
29	M37	N64	N80		180	Corner Angle	Beam	RECT	A36 Gr.36	Typical
30	M38	N79	N64		180_	Corner Angle	Beam	RECT		
31	M123	N195C	N196B			RIGID	None	None	RIGID	Typical
32	M34	N78A	N79A			RIGID	None	None	RIGID	Typical
		N80A	N99			RIGID	None	None	RIGID	Typical
33	M35	N77A	N75A			Standoff Arm	Beam	Tube	A500 Gr.B	Typical
34	M36A		N84A			RIGID	None	None	RIGID	Typical
35	M37A	N82B				RIGID	None	None	RIGID	Typical
36	M38A	N83A	N85A		180	Standoff Horizontal	Beam	Single Angle	A36 Gr.36	Typical
37	M39A	N88A	N86A		180	Standoff Horizontal	Beam	Single Angle	A36 Gr.36	Typical
38	M40A	N87A	N88A			RIGID	None	None	RIGID	Typical
39	M41	N87A	N80A		240	RIGID	None	None	RIGID	Typical
40	M42	N86A	N78A		240		None	None	RIGID	Typical
41	M43	N88A	N81A		240	RIGID		None	RIGID	Typical
42	M44	N83A	N90		120	RIGID	None		RIGID	Typical
43	M45	N82B	N89		120	RIGID	None	None		
44	M46A	N91	N93		120	RIGID	None	None	RIGID	Typical
45	M47A	N92	N94		120	RIGID	None	None	RIGID	Typical
	M48A	N97	N95		90	Platform Support P	Beam	RECT	A36 Gr.36	Typical
46		N98	N96		90	Platform Support P	Beam	RECT	A36 Gr.36	Typical
47	M49A		N90		90	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
48	M50	N87A	N86A		90	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
49	M51A	N89			120	RIGID	None	None	RIGID	Typical
50	M52	N76A	N100		180	Corner Angle	Beam	RECT	A36 Gr.36	Typical
51	M53A	N100	N90			Corner Angle	Beam	RECT	A36 Gr.36	Typical
52	M54A	N89	N100		180_	RIGID	None	None	RIGID	Typical
53	M55A	N101	N102		0.10		Column		A53 Gr.B	Typical
54	OVP2	N104	N103		240	Antenna pipe		None	RIGID	Typical
55	M57A	N105	N106		240	RIGID	None	None	RIGID	Typical
56	M58A	N111	N112			RIGID	None		RIGID	Typical
57	M59A	N113	N132			RIGID	None	None	A500 Gr.B.	Typical
58	M60A	N110	N108			Standoff Arm	Beam	Tube		
59	M61A	N115	N117			RIGID	None	None	RIGID	Typical
60	M62A	N116	N118			RIGID	None	None	RIGID	Typical
		N121	N119		180	Standoff Horizontal		Single Angle	A36 Gr.36	Typical
61	M63A	N120	N121		180	Standoff Horizontal	Beam	Single Angle	A36 Gr.36	Typical
62	M64		N113		120	RIGID	None	None	RIGID	Typical
63	M65	N120			120	RIGID	None	None	RIGID	Typical
64	M66A	N119	N111		120	RIGID	None	None	RIGID	Typical
65	M67A	N121	N114A			RIGID	None	None	RIGID	Typical
66	M68	N116	N123		240	RIGID	None	None	RIGID	Typical
67	M69	N115	N122		240			None	RIGID	Typical
68	M70	N124	N126		240	RIGID	None		RIGID	Typical
69	M71	N125	N127		240	RIGID	None	None	A36 Gr.36	Typical
70	M72	N130	N128		90	Platform Support P.		RECT		
		N131	N129		90	Platform Support P.	Beam	RECT Single Angle	A36 Gr.36	Typical Typical
71	M73	I VI OI	INIZO		90	Platform Angle				



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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg	Section/Shape	Type	Design List	Material	Design Rules
73	M75	N122	N119		90	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
74	M76	N109	N133		240	RIGID	None	None	RIGID	Typical
75	M77	N133	N123		180	Corner Angle	Beam	RECT	A36 Gr.36	Typical
76	M78	N122	N133		180	Corner Angle	Beam	RECT	A36 Gr.36	Typical
77	M81	N138	N139		120	RIGID	None	None	RIGID	Typical
78	M82	N133A	N134A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
79	M83	N138A	N142			RIGID	None	None	RIGID	Typical
80	M84	N137A	N141			RIGID	None	None	RIGID	Typical
81	M85	N136A	N140			RIGID	None	None	RIGID	Typical
82	M86	N135A	N139A			RIGID	None	None	RIGID	Typical
83	MP4C	N143A	N147		240	Antenna pipe	Column	Pipe	A53 Gr.B	Typical
84	MP3C	N144	N148		240	Antenna pipe	Column	Pipe	A53 Gr.B	Typical
85	MP2C	N145	N149		240	Pipe2.5	Column		A53 Gr.B	Typical
86	MP1C	N146	N150		240	Antenna pipe	Column		A53 Gr.B	Typical
87	M91	N167	N168			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
88	M92	N172	N176			RIGID	None	None	RIGID	Typical
89	M93	N171	N175			RIGID	None	None	RIGID	Typical
90	M94	N170	N174			RIGID	None	None	RIGID	Typical
91	M95	N169	N173			RIGID	None	None	RIGID	Typical
92	MP4B	N177	N181		120	Antenna pipe	Column	Pipe	A53 Gr.B	Typical
93	MP3B	N178	N182		120	Antenna pipe	Column	Pipe	A53 Gr.B	Typical
94	MP2B	N179	N183		120	Pipe2.5	Column	Pipe	A53 Gr.B	Typical
95	MP1B	N180A	N184		120	Antenna pipe	Column	Pipe	A53 Gr.B	Typical
96	OVP1	N178A	N134			Antenna pipe	Column	Pipe	A53 Gr.B	Typical
97	M97	N185A	N186A			Support Rail	Beam		A53 Gr.B	Typical
98	M98	N190A	N194			RIGID	None	None	RIGID	Typical
99	M99	N189A	N193			RIGID	None	None	RIGID	Typical
100	M100	N188A	N192			RIGID	None	None	RIGID	Typical
101	M101	N187A	N191			RIGID	None	None	RIGID	Typical
102	M102	N196	N197			Support Rail	Beam		A53 Gr.B	Typical
103	M103	N201	N205			RIGID	None	None	RIGID	Typical
104	M104	N200	N204			RIGID	None	None	RIGID	Typical
105	M105	N199	N203			RIGID	None	None	RIGID	Typical
106	M106	N198	N202			RIGID	None	None	RIGID	Typical
107	M107	N206	N207			Support Rail	Beam		A53 Gr.B	Typical
108	M108	N211	N215A			RIGID	None	None	RIGID	Typical
109	M109	N210	N214			RIGID	None	None	RIGID	Typical
110	M110	N209	N213			RIGID	None	None	RIGID	Typical
111	M111	N208	N212			RIGID	None	None	RIGID	Typical
112	M112	N217	N218			RIGID	None	None	RIGID	Typical
113	M113	N216A	N220			RIGID	None	None	RIGID	Typical
114	M114	N222	N223			RIGID	None	None	RIGID	Typical
115	M115	N221	N224			RIGID	None	None	RIGID	Typical
116	M116	N227	N228			RIGID	None	None	RIGID	
117	M117	N226	N229			RIGID	None	None	RIGID	Typical
118	M118	N220	N228		180	Support Rail Corner		Single Angle		Typical
119	M119	N224	N218			Support Rail Corner		Single Angle		Typical
120	M120	N229	N223			Support Rail Corner		Single Angle	A36 Gr 36	Typical
121	M121	N196B	N228A			Kickers		Single Angle		Typical
122	M123A	N106	N229A			Kickers		Single Angle		Typical
123	M125	N139	N230			INDICIO	Degili i	Unique Alique	100.10 00.1	Typical



Colliers Engineering & Design

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Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only		Defl Rati ** NA **	A	Inactive	Seismic None
1	M46		BenPIN				Yes	** NA **	\vdash	- 10 5 5 5	None
2	M47		BenPIN				Yes	INA	V		None
3	M48						Yes	** NA **			None
4	M49		BenPIN				Yes	** NA **	+		None
5	M51		BenPIN				Yes	INA	H		None
6	M53						Yes	Default	\vdash		None
7	M54						Yes	Default ** NA **	\vdash		None
8	M55						Yes		\vdash		None
9	M56						Yes	** NA ** ** NA **	\vdash		None
10	M57						Yes	** NA **			None
11	M58						Yes	** NA **	+		None
12	M59						Yes	** NA **			None
13	M60						Yes	** NA **	+		None
14	M61						Yes	NA NA	\vdash		None
15	M62						Yes		\vdash		None
16	M63						Yes		\vdash		None
17	M66						Yes		-		None
18	M67						Yes		H		None
19	M200						Yes		\vdash		None
20	M182A						Yes	** NA **	\vdash		None
21	M183A						Yes	** NA **			
22	M184A						Yes	** NA **	-		None None
23	M185A						Yes	** NA **	-		None
24_	MP4A						Yes	** NA **	\vdash		None
25	МРЗА						Yes	** NA **			
26	MP2A						Yes	** NA **			None
27	MP1A						Yes	** NA **			None
28	M36						Yes	** NA **	-		None
29	M37						Yes		\vdash		None
30	M38						Yes	44 4 1 4 44	\vdash		None
31	M123						Yes	** NA **			None
32	M34		BenPIN				Yes	** NA **			None
33	M35		BenPIN				Yes	** NA **			None
34	M36A						Yes		V		None
35	M37A		BenPIN				Yes	** NA **	\vdash		None
36	M38A		BenPIN				Yes	** NA **	\vdash		None
37	M39A						Yes		\vdash		None
38	M40A						Yes	Default			None
39	M41						Yes	** NA **			None
40	M42						Yes	** NA **			None
41	M43						Yes	** NA **	\vdash		None
42	M44						Yes	** NA **			None
43	M45						Yes	** NA **	\sqcup		None
44	M46A						Yes	** NA **			None
45	M47A	1					Yes	** NA **	\sqcup		None
46	M48A						Yes				None
47	M49A						Yes		\sqcup		None
48	M50					Y.	Yes				None
49	M51A						Yes				None
50	M52						Yes	** NA **			None
51	M53A						Yes				None
52	M54A						Yes				None
		-					Yes	** NA **			None
53	M55A						Yes	** NA **			None
54	OVP2	1,					Yes	** NA **			None
55	M57A		BenPIN				Yes	** NA **			None
56 57	M58A M59A		BenPIN				Yes	** NA **			None



: Colliers Engineering & Design : AE : Project No. 10207129 : 5000382428-VZW_MT_LO_H

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Member Advanced Data (Continued)

58 M60A BenPIN 60 M62A BenPIN 61 M63A BenPIN 61 M63A BenPIN 62 M64 BenPIN 63 M65 BenPIN 64 M66A BenPIN 65 M64 BenPIN 66 M68 BenPIN 67 M69 BenPIN 68 M70 BenPIN 69 M71 TO 70 M72 T1 71 M73 T2 72 M74 T3 73 M75 T4 74 M76 T5 75 M77 M81 78 M82 T9 79 M83 M82 79 M83 M84 81 M85 M86 82 M86 M81 83 MP4C M84 84 MP3 M94 <th>Only Physica</th> <th>Defl RatiA</th> <th>Inactive</th> <th>Seismic</th>	Only Physica	Defl RatiA	Inactive	Seismic
60 M62A BenPIN 61 M63A 62 M64 63 M65 64 M66A 65 M67A 66 M68 67 M69 68 M70 69 M71 70 M72 71 M73 72 M74 73 M75 74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 99 M94 99 M98 99 M99 99 M99 99 M99 99 M99 90 M94 91 M95 99 M98 99 M99 99 M99 99 M99 99 M99 99 M99 90 M94 91 M95 99 M94 99 M94 91 M95 99 M98 99 M99 99 M99 99 M99 90 M94 91 M95 99 M99 99 M99 90 M94 91 M95 99 M99 90 M94 91 M95 99 M99 99 M99 90 M94 91 M95 99 M99 90 M94 91 M95 91 M95 92 MP4B 93 MP3B 99 M99 99 M99 90 M94 91 M95 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 99 M99 100 M100 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	V		None
61 M63A 62 M64 63 M65 64 M66A 65 M67A 66 M68 67 M69 68 M70 69 M71 70 M72 71 M73 72 M74 73 M75 74 M76 75 M77 76 M78 77 M81 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 99 M99 99 M99 100 M100 101 M100 101 M100 101 M101 102 M102 103 M103 104 M104 105 M105 109 M109 110 M100 100 M100 101 M100 101 M101 100 M100 101 M100 100 M100	Yes	** NA **		None
62 M64 63 M65 64 M66A 65 M67A 66 M68 67 M69 68 M70 69 M71 70 M72 71 M73 72 M74 73 M75 74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M88 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 109 M109 110 M100 101 M101 102 M102 103 M103 104 M104 105 M105 109 M109 110 M100 101 M101 102 M102 103 M103 109 M109 110 M100 101 M101 102 M102 103 M103 104 M106 107 M107 108 M108 109 M109 110 M100 101 M101 102 M102 103 M103 104 M106 107 M107 108 M108 109 M109 110 M100 101 M101 102 M102 100 M100 101 M101 102 M102 103 M103 109 M109 110 M100 101 M100 101 M101	Yes	** NA **		None
63 M65 64 M66A 65 M67A 66 M68 67 M69 68 M70 69 M71 70 M72 71 M73 72 M74 73 M75 74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 90 M100 101 M101 102 M102 103 M103 104 M104 105 M105 109 M109 110 M100 101 M101 102 M102 103 M103 104 M104 105 M105 109 M109 110 M100 101 M101 102 M102 103 M103 104 M104 105 M105	Yes			None
64 M66A 65 M67A 66 M68 67 M69 68 M70 69 M71 70 M72 71 M73 72 M74 73 M75 74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 99 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 101 M101 102 M102 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 109 M109 110 M100 101 M101 102 M102 100 M100 101 M101 102 M102 103 M103 104 M104	Yes	Default		None
65 M67A 66 M68 67 M69 68 M70 69 M71 70 M72 71 M73 72 M74 73 M75 74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 101 M101 100 M100 101 M101 101 M101 102 M102 103 M103 104 M104 105 M105 109 M109 110 M100 100 M100 101 M101 101 M101 102 M102 103 M103 104 M104 105 M105 109 M109 110 M100 101 M101 100 M100 101 M101 101 M101 101 M101 102 M102 103 M103 104 M104 105 M105 109 M109 110 M109	Yes	** NA **		None
66 M68	Yes	** NA **		None
67 M69 68 M70 69 M71 70 M72 71 M73 72 M74 73 M75 74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 101 M101 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 101 M101 100 M100 101 M101 102 M102 103 M103 104 M104 105 M106	Yes	** NA **		None
68 M70 69 M71 70 M72 71 M73 72 M74 73 M75 74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 110 M100 110 M101 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M109	Yes	** NA **		None
69 M71 70 M72 71 M73 72 M74 73 M75 74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 110 M100 110 M101 101 M101 102 M102 103 M103 104 M104 105 M106 107 M107 108 M108 109 M109 110 M100 110 M100 110 M101 101 M101 102 M102 103 M103 104 M104 105 M106 107 M107 108 M108 109 M109 110 M109 110 M100 110 M100 110 M100 110 M100 110 M101 100 M100 101 M101 101 M101 109 M109 110 M101 109 M109	Yes	** NA **		None
69 M71 70 M72 71 M73 72 M74 73 M75 74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 110 M100 110 M101 101 M101 102 M102 103 M103 104 M104 105 M106 107 M107 108 M108 109 M109 110 M100 110 M100 110 M101 101 M101 102 M102 103 M103 104 M104 105 M106 107 M107 108 M108 109 M109 110 M109 110 M100 110 M100 110 M100 110 M100 110 M101 100 M100 101 M101 101 M101 109 M109 110 M101 109 M109	Yes	** NA **		None
70 M72 71 M73 72 M74 73 M75 74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 <td>Yes</td> <td>** NA **</td> <td></td> <td></td>	Yes	** NA **		
71 M73 72 M74 73 M75 74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 101 M101 102 M102 103 M103 104 M104 105 M106 107 M107 108 M108 109 M109 110 M100 101 M101 102 M102 103 M103 104 M104 105 M106 107 M107 108 M108 109 M109 110 M109	Yes	INA		None
72 M74 73 M75 74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M106 107 M10	Yes			None
73 M75 74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M106 107 M	Yes	+		None
74 M76 75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M106 107 M107 108 <td< td=""><td></td><td></td><td></td><td>None</td></td<>				None
75 M77 76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M109 110 M109 110 M109	Yes	** NA **		None
76 M78 77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109	Yes	INA		None
77 M81 78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 110 M101 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M109	Yes			None
78 M82 79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** * * * * * * * * * * * * * * * * * * *		None
79 M83 80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
80 M84 81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 101 M107 108 M108 109 M109 110 M100	Yes			None
81 M85 82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M109	Yes	** NA **		None
82 M86 83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M109 110 M109 110 M109	Yes	** NA **		None
83 MP4C 84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M109	Yes	** NA **		None
84 MP3C 85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
85 MP2C 86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
86 MP1C 87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
87 M91 88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
88 M92 89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
89 M93 90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes			None
90 M94 91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
91 M95 92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
92 MP4B 93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
93 MP3B 94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
94 MP2B 95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
95 MP1B 96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
96 OVP1 97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
97 M97 98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
98 M98 99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
99 M99 100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes			None
100 M100 101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
101 M101 102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
102 M102 103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
103 M103 104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
104 M104 105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes			None
105 M105 106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
106 M106 107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
107 M107 108 M108 109 M109 110 M110	Yes	** NA **		None
108 M108 109 M109 110 M110	Yes	** NA **		None
109 M109 110 M110	Yes			None
110 M110	Yes	** NA **		None
110 M110	Yes	** NA **		None
111 M111	Yes	** NA **		None
the state of the s	Yes	** NA **		None
112 M112 OOOOOX	Yes	** NA **		None
113 M113 OOOOOX	Yes	** NA **		None
114 M114 QOQOOX	Yes	** NA **		None



Colliers Engineering & Design

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Member Advanced Data (Continued)

	De Selection (J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defi RatiA	Inactive	Seismic
	Label	I Release	J Release	1 Onsetting	o Onsequi	1,000	Yes	** NA **		None
115	M115	00000X					Yes	** NA **		None
116	M116	00000X						** NA **		None
117	M117	00000X					Yes			
118	M118						Yes	Default		None
							Yes	Default		None
119	M119						Yes	Default		None
120	M120		D. DIN				Yes			None
121	M121	BenPIN	BenPIN							None
122	M123A	BenPIN	BenPIN				Yes			None
123	M125	BenPIN	BenPIN				Yes			INOHE

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-31.65	1.48
2	MP2A	My	024	1.48
3	MP2A	Mz	.024	1.48
4	MP2A	Y	-31.65	4.98
5	MP2A	My	024	4.98
6	MP2A	Mz	.024	4.98
7	MP2B	Y	-31.65	1.48
8	MP2B	My	009	1.48
9	MP2B	Mz	032	1.48
10	MP2B	Y	-31.65	4.98
11	MP2B	My	009	4.98
12	MP2B	Mz	032	4.98
13	MP2C	Y	-31.65	1.48
14	MP2C	My	.032	1.48
15	MP2C	Mz	.009	1.48
16	MP2C	Y	-31.65	4.98
17	MP2C	My	.032	4.98
18	MP2C	Mz	.009	4.98
19	MP2A	Y	-31.65	1.48
20	MP2A	My	024	1.48
	MP2A	Mz	024	1.48
21	MP2A	Y	-31.65	4.98
22	MP2A	My	024	4.98
23	MP2A	Mz	024	4.98
24	MP2B	Y	-31.65	1.48
25	MP2B	Mv	.032	1.48
26	MPOP	Mz	009	1.48
27	MP2B	Y	-31.65	4.98
28	MP2B	My	.032	4.98
29	MP2B	Mz	009	4.98
30	MP2B	Y	-31.65	1.48
31	MP2C	My	009	1.48
32	MP2C	Mz	.032	1.48
33	MP2C	Y	-31.65	4.98
34	MP2C	My	009	4.98
35	MP2C		.032	4.98
36	MP2C	Mz Y	-43.55	2.22
37	MP1A		022	2.22
38	MP1A	My	0	2.22
39	MP1A	Mz	-43.55	4.22
40	MP1A	Y	022	4.22
41	MP1A	My	0	4.22
42	MP1A	Mz	-43.55	2.22
43	MP1B	Υ	-43.33	



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP1B	My	.011	2.22
45	MP1B	Mz	019	2.22
46	MP1B	Y	-43.55	4.22
47	MP1B	My	.011	4.22
48	MP1B	Mz	019	4.22
49	MP1C	Y	-43.55	2.22
50	MP1C	My	.011	2.22
51	MP1C	Mz	.019	2.22
52	MP1C	Y	-43.55	4.22
53	MP1C	My	.011	4.22
54	MP1C	Mz	.019	4.22
55	M82	Y	-10.4	6.3
56	M82	My	0	6.3
57	M82	Mz	0	6.3
58	MP2A	Y	-84.4	2.64
59	MP2A	My	.042	2.64
60	MP2A	Mz	0	2.64
61	MP2B	Y	-84.4	
62	MP2B	My	021	2.64
63	MP2B	Mz	.037	2.64
64	MP2C	Y	-84.4	2.64
65	MP2C	Mv		2.64
66	MP2C	Mz	021 037	2.64
67	MP3A	Y		2.64
68	MP3A	Mv	-70.3	2.64
69	MP3A	Mz	.035	2.64
70	MP3B	Y	0	2,64
71	MP3B	Mv	-70.3	2.64
72	MP3B	Mz	018	2.64
73	MP3C	Y	.03	2.64
74	MP3C		-70.3	2.64
75	MP3C	My	018	2.64
76	OVP2	Mz	03	2.64
77	OVP2	Y	-26.9	1
78	OVP2	My	0	1
79	M200	Mz	0	1
80	M200	Υ	-10.4	6.3
81	M200 M200	My	0	6.3
82		Mz	0	6.3
83	M91	Y	-10.4	6.3
84	M91	My	0	6.3
85	M91	Mz	0	6.3
	OVP1	Y	-26.9	1
86	OVP1	My	0	1
87	OVP1	Mz	0	1
88	MP2B	Y	-17.6	5
89	MP2B	My	.007	5
90	MP2B	Mz	013	5
91	MP2B	Y	-17.6	5
92	MP2B	My	007	5
93	MP2B	Mz	.013	5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	LocationIft %I
1	MP2A	Y	-67.948	1.48
2	MP2A	Mv	051	1.48
3	MP2A	Mz	.051	1.48



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

	Member Label	: Antenna Di) (Cont	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	Y	-67.948	4.98
5	MP2A	Mv	051	4.98
6	MP2A	Mz	.051	4.98
7	MP2B	Y	-67.948	1.48
8	MP2B	Mv	019	1.48
9	MP2B	Mz	07	1.48
10	MP2B	Y	-67.948	4.98
11	MP2B	My	019	4.98
12	MP2B	Mz	07	4.98
13	MP2C	Y	-67.948	1.48
14	MP2C	My	.07	1.48
15	MP2C	Mz	.019	1.48
16	MP2C	Y	-67.948	4.98
17	MP2C	My	.07	4.98
18	MP2C	Mz	.019	4.98
19	MP2A	Y	-67.948	1.48
20	MP2A	My	051	1.48
21	MP2A	Mz	051	1.48
22	MP2A	Y	-67.948	4.98
23	MP2A	My	051	4.98
24	MP2A	Mz	051	4.98
25	MP2B	Y	-67.948	1.48
26	MP2B	My	.07	1.48
27	MP2B	Mz	019	1.48
28	MP2B	Y	-67.948	4.98
29	MP2B	My	.07	4.98
30	MP2B	Mz	019	4.98
31	MP2C	Y	-67.948	1.48
32	MP2C	My	019	1.48
33	MP2C	Mz	.07	1.48
34	MP2C	Y	-67.948	4.98
35	MP2C	My	019	4.98
36	MP2C	Mz	.07	4.98
37	MP1A	Y	-34.577	2.22
38	MP1A	My	017	2.22
39	MP1A	Mz	0	2.22
40	MP1A	Y	-34.577	4.22
41	MP1A	My	017	4.22
42	MP1A	Mz	0	4.22
43	MP1B	Y	-34.577	2.22
44	MP1B	My	.009	2.22
45	MP1B	Mz	015	2.22
46	MP1B	Y	-34.577	4.22
47	MP1B	My	.009	4.22
48	MP1B	Mz	015	4.22
49	MP1C	Y	-34.577	2.22
50	MP1C	My	.009	2.22
51	MP1C	Mz	.015	2.22
52	MP1C	Y	-34.577	4.22
53	MP1C	My	.009	4.22
54	MP1C	Mz	.015	4.22
55	M82	Y	-10.386	6.3
56	M82	My	0	6.3
57	M82	Mz	0	6.3
58	MP2A	Y	-43.575	2.64
59	MP2A	My	.022	2.64
60	MP2A	Mz	0	2.64

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2B	Y	-43.575	2.64
62	MP2B	My	011	2.64
63	MP2B	Mz	.019	2.64
64	MP2C	Y	-43.575	2.64
65	MP2C	Mv	011	2.64
66	MP2C	Mz	019	2.64
67	MP3A	Y	-39.179	2.64
68	MP3A	Mv	.02	2.64
69	MP3A	Mz	0	2.64
70	MP3B	Y	-39.179	2.64
71	MP3B	Mv	01	2.64
72	MP3B	Mz	.017	2.64
73	MP3C	Y	-39.179	2.64
74	MP3C	My	01	2.64
75	MP3C	Mz	017	2.64
76	OVP2	Y	-53.674	1
77	OVP2	My	0	1
78	OVP2	Mz	0	
79	M200	Y	-10.386	6.3
80	M200	My	0	6.3
81	M200	Mz	0	6.3
82	M91	Y	-10.386	6.3
83	M91	My	0	6.3
84	M91	Mz	0	6.3
85	OVP1	Y	-53.674	1
86	OVP1	My	0	1
87	OVP1	Mz	0	1
88	MP2B	Y	6.6	5
89	MP2B	Mv	003	5
90	MP2B	Mz	.005	5
91	MP2B	Y	6.6	5
92	MP2B	Mv	.003	5
93	MP2B	Mz	005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP2A	X	0	1.48
2	MP2A	Z	-142.577	1.48
3	MP2A	Mx	107	1.48
4	MP2A	X	0	4.98
5	MP2A	Z	-142.577	4.98
6	MP2A	Mx	107	4.98
7	MP2B	X	0	1.48
8	MP2B	Z	-105.876	1.48
9	MP2B	Mx	.108	1.48
10	MP2B	X	0	4.98
11	MP2B	Z	-105.876	4.98
12	MP2B	Mx	.108	4.98
13	MP2C	X	0	1.48
14	MP2C	Z	-105.876	1.48
15	MP2C	Mx	029	1.48
16	MP2C	X	0	4.98
17	MP2C	Z	-105.876	4.98
18	MP2C	Mx	029	4.98
19	MP2A	X	0	1.48
20	MP2A	Z	-142.577	1.48



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

	Member Label	: Antenna Wo (0 De	Magnitude[lb.k-ft]	Location[ft.%]
21	MP2A	Mx	.107	1.48
22	MP2A	X	0	4.98
23	MP2A	Z	-142.577	4.98
24	MP2A	Mx	.107	4.98
25	MP2B	X	0	1.48
26	MP2B	Z	-105.876	1.48
27	MP2B	Mx	.029	1.48
28	MP2B	X	0	4.98
29	MP2B	Z	-105.876	4.98
30	MP2B	Mx	.029	4.98
31	MP2C	X	0	1.48
32	MP2C	Z	-105.876	1.48
33	MP2C	Mx	108	1.48
34	MP2C	X	0	4.98
35	MP2C	Z	-105.876	4.98
36	MP2C	Mx	108	4.98
37	MP1A	X	0	2.22
38	MP1A	Z	-73.558	2.22
39	MP1A	Mx	0	2.22
40	MP1A	X	0	4.22
11	MP1A	Z	-73,558	4.22
12	MP1A	Mx	0	4.22
43	MP1B	X	0	2.22
14	MP1B	Z	-39.988	2.22
15	MP1B	Mx	.017	2.22
16	MP1B	X	0	4.22
47	MP1B	Z	-39.988	4.22
48	MP1B	Mx	.017	4.22
49	MP1C	X	0	2.22
50	MP1C	Z	-39.988	2,22
51	MP1C	Mx	017	2.22
52	MP1C	X	0	4.22
53	MP1C	Z	-39.988	4.22
54	MP1C	Mx	017	4.22
55	M82	X	0	6.3
56	M82	Z	-11.581	6.3
57	M82	Mx	0	6.3
58	MP2A	X	0	2.64
59	MP2A	Z	-48.517	2.64
60	MP2A	Mx	0	2.64
61	MP2B	X	0	2.64
52	MP2B	Z	-36.544	2.64
63	MP2B	Mx	016	2.64
64	MP2C	X	0	2.64
65	MP2C	Z	-36.544	2.64
66	MP2C	Mx	.016	2.64
67	MP3A	X	0	2.64
68	MP3A	Z	-48.517	2.64
69	MP3A	Mx	0	2.64
70	MP3B	X	0	2.64
	MP3B	Z	-32.084	2.64
71	MP3B	Mx	014	2.64
72	MP3C	X	0	2.64
73	MP3C	Z	-32.084	2.64
74	MP3C	Mx	.014	2.64
75	OVP2	X	0	1
76 77	OVP2	Z	-78.253	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	OVP2	Mx	O C	1
79	M200	X	0	6.3
80	M200	7	-11.581	6.3
81	M200	Mx	0	6.3
82	M91	X	0	6.3
83	M91	Z	-11.581	6,3
84	M91	Mx	0	6.3
85	OVP1	X	Ŏ	1
86	OVP1	Z	-78.253	1
87	OVP1	Mx	n n	1
88	MP2B	X	Ů	5
89	MP2B	Z	-14.348	5
90	MP2B	Mx	.01	5
91	MP2B	X	0	5
92	MP2B	7	-14.348	5
93	MP2B	Mx	01	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	65.172	1.48
2	MP2A	Z	-112.881	1.48
3	MP2A	Mx	134	1.48
4	MP2A	X	65.172	4.98
5	MP2A	Z	-112.881	4.98
6	MP2A	Mx	134	4.98
7	MP2B	X	46.821	1.48
8	MP2B	Z	-81.097	1.48
9	MP2B	Mx	.07	1.48
10	MP2B	X	46.821	4.98
11	MP2B	Z	-81.097	4.98
12	MP2B	Mx	.07	4.98
13	MP2C	X	65.172	1.48
14	MP2C	Z	-112.881	1.48
15	MP2C	Mx	.036	1.48
16	MP2C	X	65.172	4.98
17	MP2C	Z	-112.881	4.98
18	MP2C	Mx	.036	4.98
19	MP2A	X	65.172	1.48
20	MP2A	Z	-112.881	1.48
21	MP2A	Mx	.036	1.48
22	MP2A	X	65.172	4.98
23	MP2A	Z	-112.881	4.98
24	MP2A	Mx	.036	4.98
25	MP2B	X	46.821	1.48
26	MP2B	Z	-81.097	1.48
27	MP2B	Mx	.07	1.48
28	MP2B	X	46.821	4.98
29	MP2B	Z	-81.097	4.98
30	MP2B	Mx	.07	4.98
31	MP2C	X	65.172	1.48
32	MP2C	Z	-112.881	1.48
33	MP2C	Mx	134	1.48
34	MP2C	X	65.172	4.98
35	MP2C	Z	-112.881	4.98
36	MP2C	Mx	134	4.98
37	MP1A	X	31.184	4.98



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

	lember Label	: Antenna Wo (30 D	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1A	Z	-54.012	2.22
39	MP1A	Mx	016	2.22
0	MP1A	X	31.184	4.22
11	MP1A	Z	-54.012	4.22
12	MP1A	Mx	016	4.22
43	MP1B	X	14.399	2.22
14	MP1B	Z	-24.94	2.22
45	MP1B	Mx	.014	2.22
46	MP1B	X	14.399	4.22
47	MP1B	Z	-24.94	4.22
48	MP1B	Mx	.014	4.22
49	MP1C	X	31.184	2.22
50	MP1C	Z	-54.012	2.22
51	MP1C	Mx	016	2.22
52	MP1C	X	31.184	4.22
53	MP1C	Z	-54.012	4.22
	MP1C	Mx	016	4.22
54	M82	X	5.345	6.3
55	M82	Ž	-9.257	6.3
56	M82	Mx	0	6.3
57	MP2A	X	22.263	2.64
58		Z	-38.561	2.64
59	MP2A	Mx	.011	2.64
60	MP2A	X	16.277	2.64
61	MP2B	Ž	-28.192	2.64
62	MP2B	Mx	016	2.64
63	MP2B	X	22.263	2.64
64	MP2C	Z	-38.561	2.64
65	MP2C		.011	2.64
66	MP2C	Mx	21.52	2.64
67	MP3A	X	-37.273	2.64
68	MP3A		.011	2.64
69	MP3A	Mx	13.303	2.64
70	MP3B	X	-23.041	2.64
71	MP3B	Z	013	2.64
72	MP3B	Mx	21.52	2.64
73	MP3C	X	-37.273	2.64
74	MP3C	Z		2.64
75	MP3C	Mx	.011 35.697	1
76	OVP2	X		1
77	OVP2	Z	-61.829	1
78	OVP2	Mx	0	6.3
79	M200	X	5.345	6.3
80	M200	Z	-9.257	6.3
81	M200	Mx	0	6.3
82	M91	X	5.345	
83	M91	Z	-9.257	6.3
84	M91	Mx	0	6.3
85	OVP1	X	35.697	11
86	OVP1	Z	-61.829	
87	OVP1	Mx	0	11
88	MP2B	X	4.557	5
89	MP2B	Z	-7.893	5
90	MP2B	Mx	.008	5
91	MP2B	X	4.557	5
92	MP2B	Ž	-7.893	5
93	MP2B	Mx	008	5



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

1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	X	91.691	1.48
3	MP2A	Z	-52.938	1.48
4	MP2A	Mx	108	1.48
5	MP2A	X	91.691	4.98
6	MP2A	Z	-52.938	4.98
7	MP2A	Mx	108	4.98
8	MP2B	X	91.691	1.48
9	MP2B	Z	-52.938	1.48
10	MP2B	Mx	.029	1.48
11	MP2B	X	91.691	4.98
12	MP2B	Z	-52.938	4.98
13	MP2B	Mx	.029	4.98
	MP2C	X	123.475	1.48
14	MP2C	Z	-71.288	1.48
15	MP2C	Mx	.107	1.48
16	MP2C	X	123.475	4.98
	MP2C	Z	-71.288	4.98
18	MP2C	Mx	.107	4.98
19	MP2A	X	91.691	1.48
20	MP2A		-52.938	1.48
21	MP2A	Mx	029	1.48
22	MP2A	X	91.691	4.98
23	MP2A	Z	-52.938	4.98
24	MP2A	Mx	029	4.98
25	MP2B	X	91.691	1.48
26	MP2B	Z	-52.938	1.48
27	MP2B	Mx	.108	1.48
28	MP2B	X	91.691	4.98
29	MP2B	Z	-52.938	4.98
30	MP2B	Mx	.108	4.98
31	MP2C	X	123.475	1.48
32	MP2C	Z	-71.288	1.48
33	MP2C	Mx	107	1.48
34	MP2C	X	123.475	4.98
35	MP2C	Z	-71.288	4.98
36	MP2C	Mx	107	4.98
37	MP1A	X	34.63	2.22
38	MP1A	Z	-19.994	2.22
39	MP1A	Mx	017	2.22
40	MP1A	X	34.63	4.22
41	MP1A	Z	-19.994	4.22
42	MP1A	Mx	017	4.22
43	MP1B	X	34.63	2.22
44	MP1B	Z	-19.994	2.22
45	MP1B	Mx	.017	2.22
46	MP1B	X	34.63	4.22
47	MP1B	Z	-19.994	4.22
48	MP1B	Mx	.017	4.22
49	MP1C	X	63.703	2.22
50	MP1C	Z	-36.779	2.22
51	MP1C	Mx	0	2.22
52	MP1C	X	63.703	4.22
53	MP1C	Z	-36.779	4.22
54	MP1C	Mx	0	4.22
55	M82	X	7.712	6.3
56	M82	Z	-4.453	6.3
57	M82	Mx	0	6.3



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

	er Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
	P2A	X	31.648	2.64
59 M	P2A	Ž	-18.272	2.64
	P2A	Mx	.016	2.64
	P2B	X	31.648	2.64
	P2B	Z	-18.272	2.64
	P2B	Mx	016	2.64
	P2C	X	42.017	2.64
* :	P2C	Z	-24.258	2.64
	P2C	Mx	0	2.64
	P3A	X	27.785	2.64
	P3A	Z	-16.042	2.64
	P3A	Mx	.014	2.64
	P3B	X	27.785	2.64
	P3B	Z	-16.042	2.64
	P3B	Mx	014	2.64
		X	42.017	2.64
	P3C	Ž	-24.258	2.64
	P3C	Mx	0	2.64
	P3C	X	49.949	1
	VP2	Z	-28.838	11
	VP2	Mx	0	1
	VP2	X	7.712	6.3
	200	Ž	-4.453	6.3
	1200	Mx	0	6.3
	1200	X	7.712	6.3
V	<i>N</i> 91	Z	-4.453	6.3
	<i>I</i> 91	Mx	0	6.3
	/91	X	49.949	1
-	VP1	Ž	-28.838	1
	VP1	Mx	0	1
0.	VP1		12.426	5
	P2B	X	-7.174	5
	IP2B		.01	5
00	P2B	Mx	12.426	5
<u> </u>	IP2B	X	-7.174	5
	IP2B	Z	-7.174	5
93 N	IP2B	Mx	01	

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

	Member Label	: Antenna Wo (90 L	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	X	93.643	1.48
	MP2A	Z	0	1.48
2		Mx	07	1.48
3	MP2A	X	93.643	4.98
4	MP2A	Z	0	4.98
5	MP2A	Mx	07	4.98
6	MP2A	X	130.343	1.48
7	MP2B	Ž	0	1.48
8	MP2B		036	1.48
9	MP2B	Mx	130.343	4.98
10	MP2B	X	130.343	4.98
11	MP2B	Z	036	4.98
12	MP2B	Mx	036	1.48
13	MP2C	X	130.343	1.48
14	MP2C	Z	0	1.48
15	MP2C	Mx	.134	
16	MP2C	X	130.343	4.98
17	MP2C	Z	0	4.98



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

18	MP2C			Location[ft,%]
		Mx	.134	4.98
20 1	MP2A	X	93.643	1.48
20 21	MP2A	Z	0	1.48
22	MP2A	Mx	07	1.48
	MP2A	X	93.643	4.98
23	MP2A	Z	0	4.98
24	MP2A	Mx	07	4.98
25	MP2B	X	130.343	1.48
26	MP2B	Z	0	1.48
27	MP2B	Mx	.134	1.48
28	MP2B	X	130.343	4.98
29	MP2B	Z	0	4.98
30	MP2B	Mx	.134	4.98
31	MP2C	X	130.343	1.48
32	MP2C	Z	0	1.48
33	MP2C	Mx	036	1.48
34	MP2C	X	130.343	4.98
35	MP2C	Z	0	4.98
36	MP2C	Mx	036	4.98
37	MP1A	X	28.798	2.22
38	MP1A	Z	0	2.22
39	MP1A	Mx	014	2.22
40	MP1A	X	28.798	4.22
41	MP1A	Z	0	4.22
42	MP1A	Mx	014	4.22
43	MP1B	X	62.368	2.22
44	MP1B	Z	0	2.22
45	MP1B	Mx	.016	2.22
46	MP1B	X	62.368	4.22
47	MP1B	Z	0	4.22
48	MP1B	Mx	.016	4.22
49	MP1C	X	62.368	2.22
50	MP1C	Z	0	2.22
51	MP1C	Mx	.016	2.22
52	MP1C	X	62.368	4.22
53	MP1C	Z	0	4.22
54	MP1C	Mx	.016	4.22
55	M82	X	8.013	6.3
56	M82	Z	0	6.3
57	M82	Mx	0	6.3
58	MP2A	X	32.553	2.64
59	MP2A	Z	0	2.64
60	MP2A	Mx	.016	2.64
31	MP2B	X	44.526	2.64
32	MP2B	Ž	0	2.64
53	MP2B	Mx	011	2.64
64	MP2C	X	44.526	2.64
35	MP2C	Z	0	2.64
66	MP2C	Mx	011	2.64
67	MP3A	X	26.606	2.64
88	MP3A	Z	0	2.64
39	MP3A	Mx	.013	
0	MP3B	X	43.039	2.64
71	MP3B	Z	43.039 0	2.64
2	MP3B	Mx	-,011	2.64
'3	MP3C	X	43.039	2.64
74	MP3C	Z	43.039	2.64

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

nonno o.		Direction	Magnitude[lb,k-ft]	Location[ft,%]
7.	Member Label MP3C	Mx	-,011	2.64
75		X	50.817	1
76	OVP2	Z	0.0	1
77	OVP2		0	1
78	OVP2	Mx		6.3
79	M200	X	8.013	6.3
80	M200	Z	0	
81	M200	Mx	0	6.3
82	M91	X	8.013	6.3
83	M91	Z	0	6.3
	M91	Mx	0	6.3
84	OVP1	X	50.817	11
85		Ž	0	11
86	OVP1	Mx	0	1
87	OVP1		24.815	5
88	MP2B	X	0	5
89	MP2B	Z	.01	5
90	MP2B	Mx		5
91	MP2B	X	24.815	
92	MP2B	Z	0	5
93	MP2B	Mx	01	5

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

		Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	Member Label MP2A	X	91.691	1.48
1	MP2A	Z	52.938	1.48
2	MP2A	Mx	029	1.48
3		X	91,691	4.98
4	MP2A	Z	52.938	4.98
5	MP2A	Mx	029	4.98
6	MP2A	X	123.475	1.48
7	MP2B	Z	71.288	1.48
8	MP2B	Mx	107	1.48
9	MP2B	X	123,475	4.98
10	MP2B	Ž	71.288	4.98
11	MP2B	Mx	107	4.98
12	MP2B	X	91.691	1.48
13	MP2C	Z	52.938	1.48
14	MP2C	Mx	.108	1.48
15	MP2C	X	91.691	4.98
16	MP2C	7	52.938	4.98
17	MP2C		.108	4.98
18	MP2C	Mx	91.691	1.48
19	MP2A	X	52.938	1.48
20	MP2A		108	1.48
21	MP2A	Mx	91.691	4.98
22	MP2A	X	52.938	4.98
23	MP2A	Z	108	4.98
24	MP2A	Mx	123.475	1.48
25	MP2B	X	71.288	1.48
26	MP2B	Z	.107	1.48
27	MP2B	Mx	123.475	4.98
28	MP2B	X	71.288	4.98
29	MP2B	Z	.107	4.98
30	MP2B	Mx		1.48
31	MP2C	X	91.691	1.48
32	MP2C	Z	52.938	1.48
33	MP2C	Mx	.029	4.98
34	MP2C	X	91.691	4.30



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

35	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C MP2C	Z	52.938	4.98
37		Mx	.029	4.98
38	MP1A MP1A	X	34.63	2.22
39		Z	19.994	2.22
40	MP1A	Mx	017	2.22
41	MP1A	X	34.63	4.22
42	MP1A	Z	19.994	4.22
43	MP1A	Mx	017	4.22
44	MP1B	X	63.703	2.22
45	MP1B	Z	36.779	2.22
46	MP1B	Mx	0	2.22
47	MP1B	X	63.703	4.22
48	MP1B	Z	36.779	4.22
49	MP1B	Mx	0	4.22
50	MP1C	X	34.63	2.22
51	MP1C	Z	19.994	2.22
52	MP1C	Mx	.017	2.22
53	MP1C	X	34.63	4.22
54	MP1C	Z	19.994	4.22
55	MP1C	Mx	.017	4.22
	M82	X	7.712	6.3
56	M82	Z	4.453	6.3
57	M82	Mx	0	6.3
58	MP2A	X	31.648	2.64
59	MP2A	Z	18.272	2.64
60	MP2A	Mx	.016	2.64
61	MP2B	X	42.017	2.64
62	MP2B	Z	24.258	2.64
63	MP2B	Mx	0	2.64
64	MP2C	X	31.648	2.64
65	MP2C	Z	18.272	2.64
66	MP2C	Mx	016	2.64
67	MP3A	X	27.785	2.64
68	MP3A	Z	16.042	2.64
69	MP3A	Mx	.014	2.64
70	MP3B	X	42.017	2.64
71	MP3B	Z	24.258	2.64
72	MP3B	Mx	0	2.64
73	MP3C	X	27.785	2.64
74	MP3C	Z	16.042	2.64
75	MP3C	Mx	014	2.64
76	OVP2	X	49.949	1
77	OVP2	Z	28.838	1
78	OVP2	Mx	0	
79	M200	X	7.712	6.3
80	M200	Z	4.453	6.3
81	M200	Mx	0	6.3
82	M91	X	7.712	6.3
83	M91	Z	4.453	6.3
84	M91	Mx	0	6.3
85	OVP1	X	49.949	1
86	OVP1	Z	28.838	11
87	OVP1	Mx	0	1
88	MP2B	X	26.023	5
89	MP2B	Z	15.025	5
90	MP2B	Mx	0	5
91	MP2B	X	26.023	5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP2B	Z	15.025	5
92	MP2B	Mx	0	5

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

N	lember Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	65.172	1.48
2	MP2A	Z	112.881	1.48
3	MP2A	Mx	.036	1.48
4	MP2A	X	65.172	4.98
5	MP2A	Z	112.881	4.98
6	MP2A	Mx	.036	4.98
7	MP2B	X	65.172	1.48
8	MP2B	Z	112.881	1.48
9	MP2B	Mx	134	1.48
10	MP2B	X	65.172	4.98
11	MP2B	Z	112.881	4.98
12	MP2B	Mx	134	4.98
13	MP2C	X	46.821	1.48
14	MP2C	Z	81.097	1.48
15	MP2C	Mx	.07	1.48
16	MP2C	X	46.821	4.98
17	MP2C	Z	81.097	4.98
18	MP2C	Mx	.07	4.98
19	MP2A	X	65.172	1.48
20	MP2A	Z	112.881	1,48
	MP2A	Mx	134	1.48
21	MP2A	X	65,172	4.98
22	MP2A	Z	112.881	4.98
23		Mx	134	4.98
24	MP2A	X	65.172	1.48
25	MP2B	Z	112.881	1.48
26	MP2B	Mx	.036	1.48
27	MP2B	X	65.172	4.98
28	MP2B	Ž	112.881	4.98
29	MP2B	Mx	.036	4.98
30	MP2B	X	46.821	1.48
31	MP2C	Z	81.097	1.48
32	MP2C		.07	1.48
33	MP2C	Mx	46.821	4.98
34	MP2C	X	81.097	4.98
35	MP2C	Z	.07	4.98
36	MP2C	Mx	31.184	2.22
37	MP1A	X	54.012	2.22
38	MP1A	Z	016	2.22
39	MP1A	Mx	31.184	4.22
40	MP1A	X	54.012	4.22
41	MP1A	Z	016	4.22
42	MP1A	Mx	31.184	2.22
43	MP1B	X	54.012	2.22
44	MP1B	Z	016	2.22
45	MP1B	Mx		4.22
46	MP1B	X	31.184	4.22
47	MP1B	Z	54.012	4.22
48	MP1B	Mx	016	2.22
49	MP1C	X	14.399	2.22
50	MP1C	Z	24.94	
51	MP1C	Mx	.014	2.22



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

50	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1C	X	14.399	4.22
	MP1C	Z	24.94	4.22
54	MP1C	Mx	.014	4.22
55	M82	X	5.345	6.3
56	M82	Z	9.257	6.3
57	M82	Mx	0	6.3
58	MP2A	X	22,263	2.64
59	MP2A	Z	38.561	2.64
60	MP2A	Mx	.011	2.64
61	MP2B	X	22.263	2.64
62	MP2B	Z	38.561	2.64
63	MP2B	Mx	.011	2.64
64	MP2C	X	16.277	2.64
65	MP2C	Z	28.192	2.64
66	MP2C	Mx	016	2.64
67	MP3A	X	21.52	2.64
68	MP3A	Z	37.273	2.64
69	MP3A	Mx	.011	2.64
70	MP3B	X	21.52	2.64
71	MP3B	Z	37.273	2.64
72	MP3B	Mx	.011	2.64
73	MP3C	X	13.303	2.64
74	MP3C	Ž	23.041	2.64
75	MP3C	Mx	013	2.64
76	OVP2	X	35.697	2.04
77	OVP2	Z	61.829	
78	OVP2	Mx	01.829	1
79	M200	X	5.345	
80	M200	Z	9.257	6.3
81	M200	Mx	0	6.3
82	M91	X	5.345	6.3
83	M91	Z	9.257	6.3
84	M91	Mx	9.257	6.3
85	OVP1	X	35.697	6.3
86	OVP1	Ž	61.829	1
87	OVP1	Mx		1
88	MP2B	X	0	1
89	MP2B	Z	12.408	5
90	MP2B		21.491	5
91	MP2B	Mx	01	5
92	MP2B	X	12.408	5
93		Z	21.491	5
30	MP2B	Mx	.01	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.48
2	MP2A	Z	142.577	1.48
3	MP2A	Mx	.107	1.48
4	MP2A	X	0	4.98
5	MP2A	Z	142.577	4.98
6	MP2A	Mx	.107	4.98
7	MP2B	X	0	1.48
8	MP2B	Z	105.876	1.48
9	MP2B	Mx	108	1.48
10	MP2B	X	0	4.98
11	MP2B	Z	105.876	4.98



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

	nber Label	: Antenna Wo (180	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	108	4.98
13	MP2C	X	0	1.48
	MP2C	Z	105.876	1.48
15	MP2C	Mx	.029	1.48
	MP2C	X	0	4.98
	MP2C	Z	105.876	4.98
18	MP2C	Mx	.029	4.98
	MP2A	X	0	1.48
	MP2A	Z	142.577	1.48
	MP2A	Mx	107	1.48
	MP2A	X	0	4.98
	MP2A	Z	142.577	4.98
		Mx	107	4.98
	MP2A	X	0	1.48
	MP2B	Z	105,876	1,48
	MP2B	Mx	029	1.48
	MP2B	X	0	4.98
	MP2B	Z	105.876	4.98
	MP2B		029	4.98
	MP2B	Mx	0	1.48
	MP2C	X	105.876	1.48
	MP2C	Z	.108	1.48
	MP2C	Mx	0	4.98
	MP2C	X		4.98
	MP2C	Z	105.876	4.98
	MP2C	Mx	.108	2.22
7	MP1A	X	0	2.22
8	MP1A	Z	73.558	2.22
9	MP1A	Mx	0	4.22
0	MP1A	X	0	
1	MP1A	Z	73.558	4.22
2	MP1A	Mx	0	4.22
	MP1B	X	0	2.22
	MP1B	Z	39.988	2.22
5	MP1B	Mx	017	2.22
6	MP1B	X	0	4.22
	MP1B	Z	39.988	4.22
	MP1B	Mx	017	4.22
9	MP1C	X	0	2.22
	MP1C	Z	39.988	2.22
	MP1C	Mx	.017	2.22
52	MP1C	X	0	4.22
	MP1C	Z	39.988	4.22
	MP1C	Mx	.017	4.22
	M82	X	0	6.3
55	M82	Z	11.581	6.3
56	M82	Mx	0	6.3
57		X	0	2.64
	MP2A	Z	48.517	2.64
	MP2A	Mx	0	2.64
	MP2A	X	0	2.64
	MP2B	Z	36.544	2.64
	MP2B		.016	2.64
	MP2B	Mx	0	2.64
	MP2C	X	36.544	2.64
	MP2C	Z		2.64
66	MP2C	Mx	016	2.64
67	MP3A	X	0	2.64
68	MP3A	Z	48.517	2.04



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	0	2.64
70	MP3B	X	Ŏ.	2.64
71	MP3B	Z	32.084	2.64
72	MP3B	Mx	.014	2.64
73	MP3C	X	0	2,64
74	MP3C	Z	32.084	2.64
75	MP3C	Mx	014	2.64
76	OVP2	X	0	2.04
77	OVP2	Z	78.253	1
78	OVP2	Mx	0	1
79	M200	X	0	6.3
80	M200	Z	11.581	6.3
81	M200	Mx	0	6.3
82	M91	X	0	6.3
83	M91	Z	11.581	6.3
84	M91	Mx	0	6.3
85	OVP1	X	0	1
86	OVP1	Z	78.253	1
87	OVP1	Mx	0	1
88	MP2B	X	0	5
89	MP2B	Z	14.348	5
90	MP2B	Mx	01	5
91	MP2B	X	0	5
92	MP2B	Z	14.348	5
93	MP2B	Mx	.01	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-65.172	1.48
2	MP2A	Z	112.881	1.48
3	MP2A	Mx	.134	1.48
4	MP2A	X	-65.172	4.98
5	MP2A	7	112.881	4.98
6	MP2A	Mx	.134	4.98
7	MP2B	X	-46.821	1.48
8	MP2B	Z	81.097	1.48
9	MP2B	Mx	07	1.48
10	MP2B	X	-46.821	4.98
11	MP2B	7	81.097	4.98
12	MP2B	Mx	07	4.98
13	MP2C	X	-65.172	1.48
14	MP2C	Z	112.881	1.48
15	MP2C	Mx	036	1.48
16	MP2C	X	-65.172	
17	MP2C	Z	112.881	4.98 4.98
18	MP2C	Mx	036	
19	MP2A	X	-65.172	4.98 1.48
20	MP2A	7	112.881	
21	MP2A	Mx	036	1.48
22	MP2A	X	-65.172	1.48
23	MP2A	7	112.881	4.98
24	MP2A	Mx	036	4.98
25	MP2B	X	-46.821	4.98
26	MP2B	7	81.097	1.48
27	MP2B	Mx	07	1.48
28	MP2B	X		1.48
	1711 20		-46.821	4.98



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%] 4.98
29	MP2B	Z	81.097 07	4.98
30	MP2B	Mx		1.48
31	MP2C	X	-65.172	1.48
32	MP2C	Z	112.881	1.48
33	MP2C	Mx	.134	4.98
34	MP2C	X	-65.172	4.98
35	MP2C	Z	112.881	4.98
36	MP2C	Mx	.134	2.22
37	MP1A	X	-31.184	
38	MP1A	Z	54.012	2.22
39	MP1A	Mx	.016	2.22
40	MP1A	X	-31.184	4.22
41	MP1A	Z	54.012	4.22
42	MP1A	Mx	.016	4.22
43	MP1B	X	-14.399	2.22
44	MP1B	Z	24.94	2.22
45	MP1B	Mx	014	2.22
46	MP1B	X	-14.399	4.22
47	MP1B	Z	24.94	4.22
48	MP1B	Mx	014	4.22
49	MP1C	X	- 31.184	2.22
	MP1C	Z	54.012	2.22
50	MP1C	Mx	.016	2.22
	MP1C	X	-31.184	4.22
52	MP1C	Z	54.012	4.22
53		Mx	.016	4.22
54	MP1C	X	-5.345	6.3
55	M82	Ž	9.257	6.3
56	M82	Mx	0	6.3
57	M82		-22.263	2.64
58	MP2A	X	38.561	2.64
59	MP2A		011	2.64
60	MP2A	Mx	-16.277	2.64
61	MP2B	X	28.192	2.64
52	MP2B		.016	2.64
63	MP2B	Mx	-22.263	2.64
64	MP2C	X	38.561	2.64
35	MP2C	Z	011	2.64
66	MP2C	Mx	-21.52	2.64
67	MP3A	X		2.64
86	MP3A	Z	37.273	2.64
69	MP3A	Mx	011	2.64
70	MP3B	X	-13.303	2.64
71	MP3B	Z	23.041	2.64
72	MP3B	Mx	.013	
73	MP3C	X	-21.52	2.64
74	MP3C	Z	37.273	2.64
75	MP3C	Mx	011	2.64
76	OVP2	X	-35.697	1 1
77	OVP2	Z	61.829	1
78	OVP2	Mx	0	1
79	M200	X	-5.345	6.3
80	M200	Z	9.257	6.3
81	M200	Mx	0	6.3
82	M91	X	-5.345	6.3
83	M91	Z	9.257	6.3
	M91	Mx	0	6.3
84 85	OVP1	X	-35.697	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	OVP1	Z	61.829	1
87	OVP1	Mx	0	1
88 89	MP2B	X	-4.557	5
89	MP2B	Z	7.893	5
90	MP2B	Mx	008	5
91	MP2B	X	-4.557	5
92	MP2B	7	7.893	5
93	MP2B	Mx	.008	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-91.691	1.48
2	MP2A	Z	52.938	1.48
3	MP2A	Mx	.108	1.48
4	MP2A	X	-91.691	4.98
5	MP2A	Z	52.938	4.98
6	MP2A	Mx	.108	4.98
7	MP2B	X	-91.691	1.48
8	MP2B	Z	52,938	1.48
9	MP2B	Mx	029	1.48
10	MP2B	X	-91.691	4.98
11	MP2B	Z	52.938	4.98
12	MP2B	Mx	029	
13	MP2C	X	-123.475	4.98
14	MP2C	Z		1.48
15	MP2C	Mx	71.288 107	1.48
16	MP2C	X	-123.475	1.48
17	MP2C	Z		4.98
18	MP2C		71.288	4.98
19	MP2A	Mx	107	4.98
20	MP2A	X	-91.691	1.48
21	MP2A	Z	52.938	1.48
22		Mx	.029	1.48
23	MP2A MP2A	X	-91.691	4.98
		Z	52.938	4.98
24	MP2A	Mx	.029	4.98
25	MP2B	X	-91.691	1.48
26	MP2B	Z	52.938	1.48
27	MP2B	Mx	108	1.48
28	MP2B	X	-91.691	4.98
29	MP2B	Z	52.938	4.98
30	MP2B	Mx	108	4.98
31	MP2C	X	-123.475	1.48
32	MP2C	Z	71.288	1.48
33	MP2C	Mx	.107	1.48
34	MP2C	X	-123.475	4.98
35	MP2C	Z	71.288	4.98
36	MP2C	Mx	.107	4.98
37	MP1A	X	-34.63	2.22
38	MP1A	Z	19.994	2.22
39	MP1A	Mx	.017	2.22
40	MP1A	X	-34.63	4.22
41	MP1A	Z	19.994	4.22
42	MP1A	Mx	.017	4.22
43	MP1B	X	-34.63	2.22
44	MP1B	Z	19.994	2.22
45	MP1B	Mx	017	2.22



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

		Direction	Magnitude[lb,k-ft]	Location[ft.%]
46	Member Label MP1B	X	-34.63	4.22
17	MP1B	Z	19.994	4.22
18	MP1B	Mx	017	4.22
19	MP1C	X	-63.703	2.22
50	MP1C	Z	36.779	2.22
51	MP1C	Mx	0	2.22
52	MP1C	X	-63.703	4.22
53	MP1C	Z	36.779	4.22
54	MP1C	Mx	0	4.22
55	M82	X	-7.712	6.3
56	M82	Z	4.453	6.3
57	M82	Mx	0	6.3
58	MP2A	X	-31.648	2.64
59	MP2A	Z	18.272	2.64
50	MP2A	Mx	016	2.64
	MP2B	X	-31.648	2.64
61 62	MP2B	Z	18.272	2.64
	MP2B	Mx	.016	2.64
63	MP2C	X	-42.017	2.64
64 65	MP2C	Ž	24.258	2.64
	MP2C	Mx	0	2.64
56	MP3A	X	-27.785	2.64
67	MP3A	Ž	16.042	2.64
68	MP3A	Mx	014	2.64
59	MP3B	X	-27.785	2.64
70	MP3B	Z	16.042	2.64
71	MP3B	Mx	.014	2.64
72		X	-42.017	2.64
73	MP3C MP3C	Z	24.258	2.64
74	MP3C	Mx	0	2.64
75	MP3C	X	-49.949	1
76	OVP2	Z	28.838	1
77	OVP2	Mx	0	1
78	OVP2	X	-7.712	6.3
79	M200	Z	4.453	6.3
80	M200	Mx	0	6.3
81	M200	X	-7.712	6.3
82	M91	Z	4.453	6.3
83	M91	Mx	0	6.3
84	M91	X	-49.949	1
85	OVP1	Z	28.838	1
36	OVP1	Mx	0	1
87	OVP1	X	-12.426	5
88	MP2B	Z	7.174	5
89	MP2B		01	5
90	MP2B	Mx	-12.426	5
91	MP2B	X	7.174	5
92	MP2B MP2B	Z Mx	.01	5

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

	i tamba da bahari	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	Member Label	X	-93.643	1.48
	MP2A	7	0	1.48
-	MP2A	Mx	.07	1.48
	MP2A	IVIA V	-93.643	4.98
	MP2A	7	0	4.98
	MP2A			



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

0 1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2A	Mx	.07	4.98
8	MP2B	X	-130.343	1.48
9	MP2B MP2B	Z	0	1.48
10	MP2B	Mx	.036	1.48
11	MP2B	X	-130.343	4.98
12	MP2B	Mx	0	4.98
13	MP2C	X	.036	4.98
14	MP2C	Z	-130.343 0	1.48
15	MP2C	Mx	134	1.48
16	MP2C	X	-130.343	1.48 4.98
17	MP2C	Z	0	4.98
18	MP2C	Mx	134	4.98
9	MP2A	X	-93.643	1.48
20	MP2A	Z	0	1.48
21	MP2A	Mx	.07	1.48
2	MP2A	X	-93.643	4.98
3	MP2A	Z	0	4.98
4	MP2A	Mx	.07	4.98
5	MP2B	X	-130.343	1.48
6	MP2B	Z	0	1.48
7	MP2B	Mx	134	1.48
8	MP2B	X	-130.343	4.98
9	MP2B	Z	0	4.98
1	MP2B	Mx	134	4.98
2	MP2C MP2C	X	-130.343	1.48
3	MP2C	Mx	0	1.48
4	MP2C	X	.036	1.48
5	MP2C	7	-130.343	4.98
6	MP2C	Mx	.036	4.98
7	MP1A	X	-28.798	4.98 2.22
8	MP1A	Z	0	2.22
9	MP1A	Mx	.014	2.22
0	MP1A	X	-28.798	4.22
1	MP1A	Z	0	4.22
2	MP1A	Mx	.014	4.22
3	MP1B	X	-62.368	2.22
4	MP1B	Z	0	2.22
5	MP1B	Mx	016	2.22
6	MP1B	X	-62.368	4.22
7	MP1B	Z	0	4.22
8	MP1B	Mx	016	4.22
9	MP1C	X	-62.368	2.22
1	MP1C	Z	0	2.22
2	MP1C	Mx	016	2.22
3	MP1C	X	-62.368	4.22
4	MP1C MP1C	Z	0	4.22
5	M82	Mx	016	4.22
5	M82	X	-8.013	6.3
7	M82		0	6.3
8	MP2A	Mx X	0	6.3
9	MP2A	Z	-32.553	2.64
0	MP2A	Mx	0	2.64
1	MP2B	X	016 -44.526	2.64
2	MP2B	7	-44.526 0	2.64 2.64



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP2B	Mx	.011	2.64
63	MP2C	X	-44.526	2.64
64	MP2C	Z	0	2.64
65	MP2C	Mx	.011	2.64
66	MP3A	X	-26.606	2.64
67		Ž	0	2.64
68	MP3A	Mx	013	2.64
69	MP3A	X	-43.039	2.64
70	MP3B	Z	0	2.64
71	MP3B	Mx	.011	2.64
72	MP3B	X	-43.039	2.64
73	MP3C	Ž	0	2.64
74	MP3C	Mx	.011	2.64
75	MP3C	X	-50.817	1
76	OVP2	Z	0	1
77	OVP2		0	1
78	OVP2	Mx	-8.013	6.3
79	M200	X	0	6.3
80	M200		0	6.3
81	M200	Mx	-8.013	6.3
82	M91	X	-8.013	6.3
83	M91	Z	0	6.3
84	M91	Mx	-50.817	1
85	OVP1	X		
86	OVP1	Z	0	1
87	OVP1	Mx		5
88	MP2B	X	-24.815	5
89	MP2B	Z	0	5
90	MP2B	Mx	01	5
91	MP2B	X	-24.815	5
92	MP2B	Z	0	5
93	MP2B	Mx	.01	

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

	Point Loads (BLC 1	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	Member Label	X	-91.691	1.48
1	MP2A	Z	-52.938	1.48
2	MP2A		.029	1.48
3	MP2A	Mx	-91.691	4.98
4	MP2A	X		4.98
5	MP2A	Z	-52.938	4.98
6	MP2A	Mx	.029	1.48
7	MP2B	X	-123.475	1.48
8	MP2B	Z	-71.288	
9	MP2B	Mx	.107	1.48
10	MP2B	X	-123.475	4.98
11	MP2B	Z	-71.288	4.98
12	MP2B	Mx	.107	4.98
13	MP2C	X	-91.691	1.48
	MP2C	Z	-52.938	1.48
14	MP2C	Mx	108	1.48
15		X	-91.691	4.98
16	MP2C	Z	-52.938	4.98
17	MP2C	Mx	108	4.98
18	MP2C		-91.691	1.48
19	MP2A	X	-52.938	1.48
20	MP2A	Z	.108	1.48
21	MP2A	Mx		4.98
22	MP2A	X	-91.691	4.56



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

23	Member Label MP2A	Direction Z	Magnitude[lb,k-ft] -52.938	Location[ft,%] 4.98
24	MP2A	Mx	.108	4.98
25	MP2B	X	-123,475	1.48
26	MP2B	Z	-71.288	1.48
27	MP2B	Mx	107	1.48
28	MP2B	X	-123.475	4.98
29	MP2B	Z	-71.288	4.98
30	MP2B	Mx	107	4.98
31	MP2C	X	-91.691	
32	MP2C	Ž	-52.938	1.48
33	MP2C	Mx	029	1.48
34	MP2C	X	-91.691	1.48
35	MP2C	Z	-52.938	4.98
36	MP2C	Mx	029	4.98
37	MP1A	X		4.98
38	MP1A	7	-34.63	2.22
39	MP1A	Mx	-19.994	2.22
40	MP1A	X	.017	2.22
41	MP1A	Z	-34.63	4.22
42	MP1A	Mx	-19.994	4.22
43	MP1B	X	.017	4.22
44	MP1B	Z	-63.703	2.22
45	MP1B		-36.779	2.22
46	MP1B	Mx	0	2.22
47	MP1B	X	-63.703	4.22
48	MP1B	Z	-36.779	4.22
49	MP1C	Mx	0	4.22
50	MP1C	X	-34.63	2.22
51	MP1C	Z	-19.994	2.22
52	MP1C	Mx	017	2.22
53	MP1C	X	-34.63	4.22
54	MP1C	Z	-19.994	4.22
55	M82	Mx	017	4.22
56		X	-7.712	6:3
57	M82 M82	Z	-4.453	6.3
58		Mx	0	6.3
59	MP2A	X	-31.648	2.64
60	MP2A	Z	-18.272	2.64
	MP2A	Mx	016	2.64
61	MP2B	X	-42.017	2.64
62	MP2B	Z	-24.258	2.64
63	MP2B	Mx	0	2.64
64	MP2C	X	-31.648	2.64
65	MP2C	Z	-18.272	2.64
66	MP2C	Mx	.016	2.64
67	MP3A	X	-27.785	2.64
68	MP3A	Z	-16.042	2.64
69	MP3A	Mx	014	2.64
70	MP3B	X	-42.017	2.64
71	MP3B	Z	-24.258	2.64
72	MP3B	Mx	0	2.64
73	MP3C	X	-27.785	2.64
74	MP3C	Z	-16.042	2.64
75	MP3C	Mx	.014	2.64
76	OVP2	X	-49.949	2.04
77	OVP2	Z	-28.838	1
78	OVP2	Mx	0	
79	M200	X	-7.712	6.3



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

		Direction	Magnitude[lb,k-ft]	Location[ft,%]
	Member Label	J 7	-4.453	6.3
80	M200	14.	0	6.3
81	M200	Mx	7.710	6.3
82	M91	X	-7.712	6.3
83	M91	Z	-4.453	
84	M91	Mx	0	6.3
	OVP1	X	-49.949	1
85		7	-28.838	1
86	OVP1	Mx	0	1
87	OVP1		-26.023	5
88	MP2B	X		5
89	MP2B	Z	-15.025	5
90	MP2B	Mx	0	
91	MP2B	X	-26.023	5
	MP2B	7	-15.025	5
92	MP2B	Mx	0	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-65.172	1.48
2	MP2A	Z	-112.881	1.48
3	MP2A	Mx	036	1.48
	MP2A	X	-65.172	4.98
5	MP2A	Z	-112.881	4.98
	MP2A	Mx	036	4.98
6	MP2B	X	-65.172	1.48
7	MP2B	Z	-112.881	1.48
8	MP2B MP2B	Mx	.134	1.48
9	MP2B	X	-65.172	4.98
10		Z	-112.881	4.98
11	MP2B	Mx	.134	4.98
12	MP2B	X	-46.821	1.48
13	MP2C	Z	-81.097	1.48
14	MP2C	Mx	07	1.48
15	MP2C	X	-46.821	4.98
16	MP2C	Z	-81.097	4.98
17	MP2C	Mx	07	4.98
18	MP2C	X	-65.172	1.48
19	MP2A		-112.881	1.48
20	MP2A	Z	.134	1.48
21	MP2A	Mx	-65.172	4.98
22	MP2A	X		4.98
23	MP2A	Z	-112.881	4.98
24	MP2A	Mx	.134	1.48
25	MP2B	X	-65.172	1.48
26	MP2B	Z	-112.881	1.48
27	MP2B	Mx	036	4.98
28	MP2B	X	-65.172	4.98
29	MP2B	Z	-112.881	4.98
30	MP2B	Mx	036	
31	MP2C	X	-46.821	1.48
32	MP2C	Z	-81.097	1.48
33	MP2C	Mx	07	1.48
34	MP2C	X	-46.821	4.98
35	MP2C	Z	-81.097	4.98
36	MP2C	Mx	07	4.98
37	MP1A	X	-31.184	2.22
38	MP1A	Z	-54.012	2.22
39	MP1A	Mx	.016	2.22



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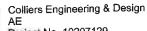
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Member Point Loads (BLC 14: Antenna Wo (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP1A	X	-31.184	4.22
41	MP1A	Z	-54.012	4.22
42	MP1A	Mx	.016	4.22
43	MP1B	X	-31.184	2.22
44	MP1B	Z	-54.012	2.22
45	MP1B	Mx	.016	2.22
46	MP1B	X	-31.184	4.22
47	MP1B	Z	-54.012	4.22
48	MP1B	Mx	.016	4.22
49	MP1C	X	-14.399	2.22
50	MP1C	Z	-24.94	2.22
51	MP1C	Mx	014	2.22
52	MP1C	X	-14.399	4.22
53	MP1C	Z	-24.94	4.22
54	MP1C	Mx	014	4.22
55	M82	X	-5.345	6.3
56	M82	Z	-9.257	6.3
57	M82	Mx	0	6.3
58	MP2A	X	-22.263	2.64
59	MP2A	Z	-38.561	2.64
60	MP2A	Mx	011	2.64
61	MP2B	X	-22.263	2.64
62	MP2B	Z	-38.561	2.64
63	MP2B	Mx	011	2.64
64	MP2C	X	-16.277	2.64
65	MP2C	Z	-28.192	2.64
66	MP2C	Mx	.016	2.64
67	MP3A	X	-21.52	2.64
68	MP3A	Z	-37.273	2.64
69	MP3A	Mx	011	2.64
70	MP3B	X	-21.52	2.64
71	MP3B	Z	-37.273	2.64
72	MP3B	Mx	011	2.64
73	MP3C	X	-13.303	2.64
74	MP3C	Z	-23.041	2.64
75	MP3C	Mx	.013	2.64
76	OVP2	X	-35.697	2.04
77	OVP2	Z	-61.829	1
78	OVP2	Mx	0	1
79	M200	X	-5.345	6.3
80	M200	Z	-9.257	6.3
81	M200	Mx	0	6.3
82	M91	X	-5.345	6.3
83	M91	Z	-9.257	6.3
84	M91	Mx	0	6.3
85	OVP1	X	-35.697	0.3
86	OVP1	Z	-61.829	
87	OVP1	Mx	0	1
88	MP2B	X	-12.408	
89	MP2B	Z	-21.491	5
90	MP2B	Mx	.01	5
91	MP2B	X	-12.408	5
92	MP2B	Z	-12.408 -21.491	5
93	MP2B			5
90	MIP2B	Mx	01	5

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

Member Label	Direction	Maggitudo(lb k ft)	Location[ft 9/1
RISA-3D Version 17.0.4	[R:\\Rev 0\RISA	\\5000382428-VZW MT LO H.r3d]	Page 36



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IRISA

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

	Member Label	Direction	Magnitude[lb,k-ft] 0	Location[ft,%]
	MP2A	X	-27.06	1.48
2	MP2A		02	1.48
3	MP2A	Mx	0	4.98
4	MP2A	X	-27.06	4.98
5	MP2A	Z	02	4.98
6	MP2A	Mx	0	1.48
7	MP2B	X	-20.596	1.48
8	MP2B		.021	1.48
9	MP2B	Mx X	0	4.98
10	MP2B	Z	-20.596	4.98
11	MP2B	Mx	.021	4.98
12	MP2B	X	0	1.48
13	MP2C	Z	-20.596	1.48
14	MP2C	Mx	006	1,48
15	MP2C	X	0	4.98
16	MP2C	Z	-20.596	4.98
17	MP2C	Mx	006	4.98
18	MP2C	X	0	1.48
19	MP2A MP2A	Z	-27.06	1,48
20	MP2A MP2A	Mx	.02	1.48
21	MP2A	X	0	4.98
22		Ž	-27.06	4.98
23	MP2A MP2A	Mx	.02	4.98
24	MP2B	X	0	1.48
25	MP2B	Ž	-20.596	1.48
26	MP2B	Mx	.006	1.48
27	MP2B	X	0	4.98
28	MP2B	Ž	-20.596	4.98
29	MP2B	Mx	.006	4.98
30	MP2C	X	0	1.48
31	MP2C	Z	-20.596	1.48
	MP2C	Mx	021	1.48
33 34	MP2C	X	0	4.98
35	MP2C	Z	-20.596	4.98
36	MP2C	Mx	021	4.98
37	MP1A	X	0	2.22
38	MP1A	Z	-14.382	2.22
39	MP1A	Mx	0	2.22
40	MP1A	X	0	4.22
41	MP1A	Z	-14.382	4.22
42	MP1A	Mx	0	4.22
43	MP1B	X	0	2.22
44	MP1B	Z	-8.18	2.22
45	MP1B	Mx	.004	2.22
46	MP1B	X	0	4.22
47	MP1B	Z	-8.18	4.22
48	MP1B	Mx	.004	4.22
49	MP1C	X	0	2.22
50	MP1C	Z	-8.18	2.22
51	MP1C	Mx	004	
52	MP1C	X	0	4.22
53	MP1C	Z	-8.18	4.22
54	MP1C	Mx	004	
55	M82	X	0	6.3
56	M82	Z	-2.923	6.3
57	M82	Mx	0	6.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	0	2.64
59	MP2A	Z	-12.104	2.64
60	MP2A	Mx	0	2.64
61	MP2B	X	0	2.64
62	MP2B	Z	-9.334	2.64
63	MP2B	Mx	004	2.64
64	MP2C	X	0	2.64
65	MP2C	Z	-9.334	2.64
66	MP2C	Mx	.004	2.64
67	MP3A	X	0	2.64
68	MP3A	Z	-12.104	2.64
69	MP3A	Mx	0	2.64
70	MP3B	X	0	2.64
71	MP3B	Z	-8.281	2.64
72	MP3B	Mx	004	2.64
73	MP3C	X	0	2.64
74	MP3C	Z	-8.281	2.64
75	MP3C	Mx	.004	2.64
76	OVP2	X	0	2.04
77	OVP2	Z	-15.779	
78	OVP2	Mx	0	1
79	M200	X	0	6.3
80	M200	Z	-2.923	6.3
81	M200	Mx	0	6.3
82	M91	X	0	6.3
83	M91	Z	-2.923	6.3
84	M91	Mx	0	6.3
85	OVP1	X	0	1
86	OVP1	Z	-15.779	1
87	OVP1	Mx	0	1
88	MP2B	X	0	5
89	MP2B	Z	-3.527	5
90	MP2B	Mx	.003	5
91	MP2B	X	0	5
92	MP2B	Z	-3.527	5
93	MP2B	Mx	003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.453	1.48
2	MP2A	Z	-21.569	1.48
3	MP2A	Mx	026	1.48
4	MP2A	X	12.453	4.98
5	MP2A	Z	-21.569	4.98
6	MP2A	Mx	026	4.98
7	MP2B	X	9.221	1.48
8	MP2B	Z	-15.971	1.48
9	MP2B	Mx	.014	1.48
10	MP2B	X	9.221	4.98
11	MP2B	Z	-15.971	4.98
12	MP2B	Mx	.014	4.98
13	MP2C	X	12.453	1.48
14	MP2C	Z	-21.569	1.48
15	MP2C	Mx	.007	1.48
16	MP2C	X	12.453	4.98
17	MP2C	Z	-21.569	4.98



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

		6 : Antenna Wi (30 L	Magnitude[lb,k-ft]	Location[ft,%]
	ber Label NP2C	Mx	.007	4.98
	MP2A	X	12.453	1.48
	MP2A	Z	-21.569	1.48
	MP2A	Mx	.007	1.48
	MP2A	X	12.453	4.98
	MP2A	Z	-21.569	4.98
	MP2A	Mx	.007	4.98
	MP2B	X	9.221	1.48
	MP2B	Z	-15.971	1.48
26 N	MP2B	Mx	.014	1.48
	MP2B	X	9.221	4.98
	MP2B	Z	-15.971	4.98
	MP2B	Mx	.014	4.98
	MP2C	X	12.453	1.48
	MP2C	Z	-21.569	1.48
	MP2C	Mx	-,026	1.48
	MP2C	X	12.453	4.98
	MP2C	Z	-21.569	4.98
	MP2C	Mx	026	4.98
	MP1A	X	6.157	2.22
	MP1A	Z	-10.665	2.22
	MP1A	Mx	003	2.22
	MP1A	X	6.157	4.22
	MP1A	Z	-10.665	4.22
	MP1A	Mx	003	4.22
	MP1B	X	3.056	2.22
	MP1B	Z	-5.294	2.22
	MP1B	Mx	.003	2.22
	MP1B	X	3.056	4.22
47	MP1B	Z	-5.294	4.22
	MP1B	Mx	.003	4.22
	MP1C	X	6.157	2.22
	MP1C	Z	-10.665	2.22
	MP1C	Mx	003	2.22
	MP1C	X	6.157	4.22
	MP1C	Z	-10.665	4.22
	MP1C	Mx	003	4.22
55	M82	X	1.37	6.3
56	M82	Z	-2.373	6.3
57	M82	Mx	0	6.3
58	MP2A	X	5.59	2.64
	MP2A	Z	-9.683	2.64
	MP2A	Mx	.003	2.64
	MP2B	X	4.205	2.64
	MP2B	Z	-7.284	2.64
	MP2B	Mx	004	2.64
	MP2C	X	5.59	2.64
	MP2C	Z	-9.683	2.64
	MP2C	Mx	.003	2.64
	MP3A	X	5.415	2.64
	MP3A	Z	-9.379	2.64
	MP3A	Mx	,003	2.64
	MP3B	X	3.504	2.64
	MP3B	Ž	-6.068	2.64
	MP3B	Mx	004	2.64
	MP3C	X	5.415	2.64
73 74	MP3C	Ž	-9.379	2.64



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3C	Mx	.003	2.64
76	OVP2	X	7.254	2.04
77	OVP2	Z	-12.565	1
78	OVP2	Mx	0	1
79	M200	X	1.37	6.3
80	M200	Z	-2.373	6.3
81	M200	Mx	-2.575	6.3
82	M91	X	1.37	
83	M91	7	-2.373	6.3
84	M91	Mx	0	6.3
85	OVP1	X	7.254	6.3
86	OVP1	Z	-12.565	+
87	OVP1	Mx	-12.505	
88	MP2B	X	1.244	
89	MP2B	7		5
90	MP2B	Mx	-2.155	5
91	MP2B	X	.002	5
92	MP2B	7	1.244	5
93	MP2B	Mx	-2.155	5
	IVII ZD	IVIX	002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	17.837	1.48
2	MP2A	Z	-10.298	1.48
3	MP2A	Mx	021	1.48
4	MP2A	X	17.837	4.98
5	MP2A	Z	-10.298	4.98
6	MP2A	Mx	021	4.98
7	MP2B	X	17.837	1.48
8	MP2B	Z	-10.298	1.48
9	MP2B	Mx	.006	1.48
10	MP2B	X	17.837	4.98
11	MP2B	Z	-10.298	4.98
12	MP2B	Mx	.006	4.98
13	MP2C	X	23.435	1.48
14	MP2C	Z	-13.53	1.48
15	MP2C	Mx	.02	1.48
16	MP2C	X	23.435	4.98
17	MP2C	7	-13.53	4.98
18	MP2C	Mx	.02	4.98
19	MP2A	X	17.837	1.48
20	MP2A	Z	-10.298	1.48
21	MP2A	Mx	006	1.48
22	MP2A	X	17.837	
23	MP2A	Z	-10.298	4.98 4.98
24	MP2A	Mx	006	
25	MP2B	X	17.837	4.98
26	MP2B	Z	-10.298	1.48
27	MP2B	Mx	.021	1.48
28	MP2B	X	17.837	1.48
9	MP2B	Z		4.98
30	MP2B	Mx	-10.298	4.98
31	MP2C	X	.021	4.98
32	MP2C	Z	23.435	1.48
33	MP2C	Mx	-13.53	1.48
34	MP2C	X	02	1.48
	IVII ZO		23.435	4.98



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

	Member Label	7 : Antenna Wi (60 L	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	-13,53	4.98
36	MP2C	Mx	02	4.98
37	MP1A	X	7.084	2.22
38	MP1A	Z	-4.09	2.22
39	MP1A	Mx	004	2.22
40	MP1A	X	7.084	4.22
41	MP1A	Z	-4.09	4.22
42	MP1A	Mx	004	4.22
43	MP1B	X	7.084	2.22
44	MP1B	Z	-4.09	2.22
45	MP1B	Mx	.004	2.22 4.22
46	MP1B	X	7.084	4.22
47	MP1B	Z	-4.09	
48	MP1B	Mx	.004	4.22
49	MP1C	X	12.455	2.22
50	MP1C	Z	-7.191	2.22
51	MP1C	Mx	0	4.22
52	MP1C	X	12.455	4.22
53	MP1C	Z	-7.191	4.22
54	MP1C	Mx	0	6.3
55	M82	X	2.055	6.3
56	M82	Z	-1.186	6.3
57	M82	Mx	0	
58	MP2A	X	8.083	2.64 2.64
59	MP2A	Z	-4.667	
60	MP2A	Mx	.004	2.64
61	MP2B	X	8.083	2.64
62	MP2B	Z	-4.667	
63	MP2B	Mx	004	2.64
64	MP2C	X	10.482	2.64
65	MP2C	Z	-6.052	2.64
66	MP2C	Mx	0	2.64
67	MP3A	X	7.172	2.64
68	MP3A	Z	-4.141	2.64
69	MP3A	Mx	.004	2.64
70	MP3B	X	7.172	2.64
71	мР3В	Z	-4.141	2.64
72	MP3B	Mx	004	
73	MP3C	X	10.482	2.64
74	MP3C	Z	-6.052	2.64
75	MP3C	Mx	0	2.64
76	OVP2	X	10.363	1
77	OVP2	Z	-5.983	1
78	OVP2	Mx	0	W
79	M200	X	2.055	6.3
80	M200	Z	-1.186	6.3
81	M200	Mx	0	6.3
82	M91	X	2,055	6.3
83	M91	Z	-1.186	6.3
84	M91	Mx	0	6.3
85	OVP1	X	10.363	
86	OVP1	Z	-5.983	
87	OVP1	Mx	0	11
88	MP2B	X	3.055	5
89	MP2B	Z	-1.764	5
90	MP2B	Mx	.003	5
91	MP2B	X	3.055	5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
92	MP2B	Z	-1 764	Locationiit, %i
93	MP2B	Mx	003	5

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

4 1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1 2	MP2A	X	18.441	1.48
	MP2A	Z	0	1.48
3	MP2A	Mx	014	1.48
4	MP2A	X	18.441	4.98
5	MP2A	Z	0	4.98
6	MP2A	Mx	014	4.98
7	MP2B	X	24.905	1.48
8	MP2B	Z	0	1.48
9	MP2B	Mx	007	1.48
10	MP2B	X	24.905	4.98
11	MP2B	Z	0	4.98
12	MP2B	Mx	007	4.98
13	MP2C	X	24.905	1.48
14	MP2C	Z	0	1.48
15	MP2C	Mx	.026	1.48
6	MP2C	X	24.905	4.98
7	MP2C	Z	0	4.98
8	MP2C	Mx	.026	4.98
9	MP2A	X	18.441	1.48
0	MP2A	Z	0	1.48
1	MP2A	Mx	014	1.48
22	MP2A	X	18.441	4.98
23	MP2A	Z	0	4.98
4	MP2A	Mx	014	4.98
25	MP2B	X	24.905	1.48
26	MP2B	Z	0	1.48
27	MP2B	Mx	.026	1.48
28	MP2B	X	24.905	4.98
9	MP2B	Z	0	4.98
30	MP2B	Mx	.026	4.98
1	MP2C	X	24.905	1.48
2	MP2C	Z	0	1.48
3	MP2C	Mx	007	1.48
4	MP2C	X	24.905	4.98
5	MP2C	Z	0	4.98
6	MP2C	Mx	007	4.98
7	MP1A	X	6.113	2.22
8	MP1A	Z	0	2.22
9	MP1A	Mx	003	2.22
0	MP1A	X	6.113	4.22
1	MP1A	Z	0.113	4.22
2	MP1A	Mx	003	4.22
3	MP1B	X	12.315	
4	MP1B	Z	0	2.22
5	MP1B	Mx	.003	2.22
6	MP1B	X	12.315	2.22
7	MP1B	Z	0	4.22
8	MP1B	Mx	.003	4.22
9	MP1C	X		4.22
0	MP1C	Z	12.315	2.22
1	MP1C	Mx	.003	2.22



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP1C	X	12.315	4.22 4.22
53	MP1C	Z	0	4.22
54	MP1C	Mx	.003	
55	M82	X	2.19	6.3
56	M82	Z	0	6.3
57	M82	Mx	0	6.3
58	MP2A	X	8.411	2.64
59	MP2A	Z	0	2.64
60	MP2A	Mx	.004	2.64
61	MP2B	X	11.18	2.64
62	MP2B	Z	0	2.64
63	MP2B	Mx	003	2.64
64	MP2C	X	11.18	2.64
65	MP2C	Z	0	2.64
66	MP2C	Mx	003	2.64
67	MP3A	X	7.007	2.64
68	MP3A	Z	0	2.64
69	MP3A	Mx	.004	2.64
70	MP3B	X	10.83	2.64
71	MP3B	Z	0	2.64
72	MP3B	Mx	003	2.64
73	MP3C	X	10.83	2.64
74	MP3C	Z	0	2.64
75	MP3C	Mx	003	2.64
76	OVP2	X	10.696	
77	OVP2	Z	0	1
78	OVP2	Mx	0	1
79	M200	X	2.19	6.3
80	M200	Z	0	6.3
81	M200	Mx	0	6.3
82	M91	X	2.19	6.3
83	M91	Z	0	6.3
84	M91	Mx	0	6.3
85	OVP1	X	10.696	1
86	OVP1	Z	0	1
87	OVP1	Mx	0	1
	MP2B	X	5.604	5
88	MP2B	Z	0	5
89	MP2B	Mx	.002	5
90	MP2B	X	5.604	5
91		Z	0	5
93	MP2B MP2B	Mx	002	5

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

	oer Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	IP2A	T X	17.837	1.48
		7	10.298	1.48
	IP2A	Mx	006	1.48
	IP2A	V	17.837	4.98
	IP2A	7	10.298	4.98
	IP2A	Mx	006	4.98
	IP2A	Y	23.435	1.48
	IP2B	7	13.53	1.48
9	IP2B	Mx	02	1.48
1977	IP2B	IVIX V	23.435	4.98
	IP2B	7	13.53	4.98
11. N	IP2B		10.00	



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

12	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2B MP2C	Mx	02	4.98
14	MP2C MP2C	X	17.837	1.48
15	MP2C MP2C	Z	10.298	1.48
16	MP2C	Mx	.021	1.48
17	MP2C MP2C	X	17.837	4.98
18		Z	10.298	4.98
19	MP2C	Mx	.021	4.98
20	MP2A	X	17.837	. 1.48
	MP2A	Z	10.298	1.48
21	MP2A	Mx	021	1.48
22	MP2A	X	17.837	4.98
23	MP2A	Z	10.298	4.98
24	MP2A	Mx	021	4.98
25	MP2B	X	23.435	1.48
26	MP2B	Z	13.53	1.48
27	MP2B	Mx	.02	1.48
28	MP2B	X	23.435	4.98
29	MP2B	Z	13.53	4.98
30	MP2B	Mx	.02	4.98
31	MP2C	X	17.837	1.48
32	MP2C	Z	10.298	1.48
33	MP2C	Mx	.006	1.48
34	MP2C	X	17.837	4.98
35	MP2C	Z	10.298	4.98
36	MP2C	Mx	.006	4.98
37	MP1A	X	7.084	2.22
38	MP1A	Z	4.09	2.22
39	MP1A	Mx	004	2.22
40	MP1A	X	7.084	4.22
41	MP1A	Z	4.09	4.22
42	MP1A	Mx	004	4.22
43	MP1B	X	12.455	2.22
44	MP1B	Z	7.191	2.22
45	MP1B	Mx	0	2.22
46	MP1B	X	12.455	4.22
47	MP1B	Z	7.191	4.22
48	MP1B	Mx	0	4.22
49	MP1C	X	7.084	2.22
50	MP1C	Z	4.09	2.22
51	MP1C	Mx	.004	2.22
52	MP1C	X	7.084	4.22
53	MP1C	Z	4.09	4.22
54	MP1C	Mx	.004	4.22
55	M82	X	2.055	6.3
56	M82	Z	1.186	6.3
57	M82	Mx	0	6.3
58	MP2A	X	8.083	2.64
59	MP2A	Z	4.667	2.64
60	MP2A	Mx	.004	2.64
61	MP2B	X	10.482	2.64
62	MP2B	Z	6.052	2.64
63	MP2B	Mx	0	2.64
64	MP2C	X	8.083	2.64
65	MP2C	Z	4.667	2.64
66	MP2C	Mx	004	2.64
67	MP3A	X	7.172	2.64
68	MP3A	Z	4.141	2.64





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

Member Form Louds (BL	Direction	Magnitude[lb,k-ft]	Location[ft,%]
Member Label	Mx	.004	2.64
69 MP3A	X	10.482	2.64
70 MP3B	Z	6.052	2.64
71 MP3B	Mx	0	2.64
72 MP3B		7.172	2.64
73 MP3C	X	4.141	2.64
74 MP3C	Z	004	2.64
75 MP3C	Mx	10.363	1
76 OVP2	X		1
77 OVP2	Z	5.983	1
78 OVP2	Mx	0	6.3
79 M200	X	2.055	6.3
80 M200	Z	1,186	6.3
81 M200	Mx	00	
82 M91	X	2,055	6.3
83 M91	Z	1.186	6.3
84 M91	Mx	0	6.3
85 OVP1	X	10.363	1
86 OVP1	Z	5.983	1 1
87 OVP1	Mx	0	1
0.	X	5.752	5
And the control	Z	3.321	5
2.7	Mx	0	5
	X	5.752	5
91 MP2B	Ž	3.321	5
92 MP2B	Mx	0	5
93 MP2B	IVIA		

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

7011120	Point Loads (BLC 2	Direction	Magnitude[lb,k-ft]	Location[ft.%]
. 1	Member Label	X	12.453	1.48
1	MP2A	Ž	21.569	1.48
2	MP2A	Mx	.007	1.48
3	MP2A	X	12.453	4.98
4	MP2A	Ž	21.569	4.98
5	MP2A		.007	4.98
6	MP2A	Mx	12.453	1.48
7	MP2B	X	21.569	1.48
8	MP2B	Z	026	1.48
9	MP2B	Mx	12.453	4.98
10	MP2B	X	21.569	4.98
11	MP2B	Z		4.98
12	MP2B	Mx	026 9.221	1.48
13	MP2C	X		1.48
14	MP2C	Z	15.971	1.48
15	MP2C	Mx	.014	4.98
16	MP2C	X	9.221	4.98
17	MP2C	Z	15.971	
18	MP2C	Mx	.014	4.98
19	MP2A	X	12.453	1.48
20	MP2A	Z	21.569	1.48
21	MP2A	Mx	026	1.48
22	MP2A	X	12.453	4.98
23	MP2A	Z	21.569	4.98
24	MP2A	Mx	026	4.98
25	MP2B	X	12.453	1.48
	MP2B	Z	21.569	1.48
26	MP2B	Mx	.007	1.48
27 28	MP2B	X	12.453	4.98



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	21.569	4.98
30	MP2B	Mx	.007	4.98
31	MP2C	X	9.221	1.48
32	MP2C	Z	15.971	1.48
33	MP2C	Mx	.014	1.48
34	MP2C	X	9.221	4.98
35	MP2C	Z	15.971	4.98
36	MP2C	Mx	.014	4.98
37	MP1A	X	6.157	
38	MP1A	Ž	10.665	2.22
39	MP1A	Mx		2.22
40	MP1A	X	003	2.22
11	MP1A	Z	6.157	4.22
12	MP1A		10.665	4.22
13	MP1B	Mx	003	4.22
14	MP1B	X	6.157	2.22
5		Z	10.665	2.22
6	MP1B	Mx	003	2.22
	MP1B	X	6.157	4.22
7	MP1B	Z	10.665	4.22
8	MP1B	Mx	003	4.22
9	MP1C	X	3.056	2.22
0	MP1C	Z	5.294	2.22
1	MP1C	Mx	.003	2.22
2	MP1C	X	3.056	4.22
3	MP1C	Z	5.294	4.22
4	MP1C	Mx	.003	4.22
5	M82	X	1.37	6.3
6	M82	Z	2.373	6.3
7	M82	Mx	0	
8	MP2A	X	5.59	6.3
9	MP2A	Z		2.64
0	MP2A	Mx	9.683	2.64
1	MP2B	X	.003	2.64
2	MP2B	Z	5.59	2.64
3	MP2B		9.683	2.64
4	MP2C	Mx	.003	2.64
5	MP2C	X	4.205	2.64
5	MP2C	Z	7.284	2.64
	MP2C	Mx	004	2.64
7	MP3A	X	5.415	2.64
3	MP3A	Z	9.379	2.64
9	MP3A	Mx	.003	2.64
	MP3B	X	5.415	2.64
1	MP3B	Z	9.379	2.64
2	MP3B	Mx	.003	2.64
3	MP3C	X	3.504	2.64
4	MP3C	Z	6.068	2.64
5	MP3C	Mx	004	2.64
3	OVP2	X	7.254	2.04
	OVP2	Z	12.565	1
3	OVP2	Mx	0	
}	M200	X	1.37	
	M200	Z		6.3
	M200		2.373	6.3
2	M91	Mx	0	6.3
3	M91	X	1.37	6.3
		Z	2.373	6.3
	M91	Mx	0	6.3
5	OVP1	X	7.254	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
00		7	12.565	1
86	OVP1	Mx	0	1
87	OVP1	TWO TO THE TOTAL PROPERTY OF THE TOTAL PROPE	2.802	5
88	MP2B	7	4.853	5
89	MP2B	Mx	002	5
90 91	MP2B	IVIX	2.802	5
91	MP2B	2	4.853	5
92	MP2B	My	.002	5
93	MP2B	Mx	.002	

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

	Point Loads (BLC 2 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.48
2	MP2A	Z	27.06	1.48
3	MP2A	Mx	.02	1.48
4	MP2A	X	0	4,98
5	MP2A	Z	27.06	4.98
6	MP2A	Mx	.02	4.98
7	MP2B	X	0	1.48
8	MP2B	Z	20.596	1.48
9	MP2B	Mx	021	1.48
10	MP2B	X	0	4.98
11	MP2B	Z	20.596	4.98
12	MP2B	Mx	021	4.98
13	MP2C	X	0	1.48
	MP2C	Z	20.596	1.48
14 15	MP2C	Mx	.006	1.48
16	MP2C	X	0	4.98
	MP2C	Z	20.596	4.98
17	MP2C	Mx	.006	4.98
18	MP2A	X	0	1.48
19	MP2A	Ž	27.06	1.48
20	MP2A	Mx	02	1.48
21	MP2A	X	0	4.98
22	MP2A	Z	27.06	4.98
23		Mx	02	4.98
24	MP2A MP2B	X	0	1.48
25		Z	20.596	1.48
26	MP2B	Mx	006	1.48
27	MP2B	X	0	4.98
28	MP2B	Z	20.596	4.98
29	MP2B	Mx	006	4.98
30	MP2B	X	0	1.48
31	MP2C	Z	20.596	1.48
32	MP2C	Mx	.021	1.48
33	MP2C	X	0	4.98
34	MP2C	Ž	20.596	4.98
35	MP2C	Mx	.021	4.98
36	MP2C		0	2.22
37	MP1A	X	14.382	2.22
38	MP1A		0	2.22
39	MP1A	Mx	0	4.22
40	MP1A	X	14.382	4.22
41	MP1A	Z	0	4.22
42	MP1A	Mx	0	2.22
43	MP1B	X	8.18	2.22
44	MP1B	Z		2.22
45	MP1B	Mx	004	L.EE



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

	Member Label	Direction	Magnitude[ib,k-ft]	Location[ft,%]
46	MP1B	X	0	4.22
47	MP1B	Z	8.18	4.22
48	MP1B	Mx	004	4.22
49	MP1C	X	0	2.22
50	MP1C	Z	8.18	2.22
51	MP1C	Mx	.004	2.22
52	MP1C	X	0	4.22
53	MP1C	Z	8.18	4.22
54	MP1C	Mx	.004	4.22
55	M82	X	0	6.3
56	M82	Z	2.923	6.3
57	M82	Mx	0	6.3
58	MP2A	X	0	
59	MP2A	Ž	12.104	2.64
60	MP2A	Mx	0	2.64
61	MP2B	X	0	2.64
62	MP2B	Z	9.334	2.64
63	MP2B	Mx		2.64
64	MP2C	X	.004	2.64
65	MP2C	Z	0	2.64
66	MP2C	Mx	9.334	2.64
67	MP3A		004	2.64
68	MP3A	X Z	0	2.64
69	MP3A		12.104	2.64
70	MP3B	Mx	0	2.64
71	MP3B	X	0	2.64
72	MP3B		8.281	2.64
73	MP3C	Mx	.004	2.64
74	MP3C MP3C	X	0	2.64
75		Z	8.281	2.64
76	MP3C OVP2	Mx	004	2.64
77		X	0	11
78	OVP2	Z	15.779	1
79	OVP2	Mx	0	11_
30	M200	X	0	6.3
	M200	Z	2.923	6.3
31	M200	Mx	0	6.3
32	M91	X	0	6.3
33	M91	Z	2.923	6.3
34	M91	Mx	0	6.3
35	OVP1	X	0	1
36	OVP1	Z	15.779	
37	OVP1	Mx	0	
38	MP2B	X	Ŏ	5
39	MP2B	Z	3.527	5
90	MP2B	Mx	003	5
91	MP2B	X	0	5
32	MP2B	Z	3.527	5
93	MP2B	Mx	.003	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-12.453	1.48
2	MP2A	Z	21.569	1.48
3	MP2A	Mx	.026	1.48
4	MP2A	X	-12.453	4.98
5	MP2A	Z	21.569	4.98



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.026	4.98 1.48
7	MP2B	X	-9.221	1.48
8	MP2B	Z	15.971	1.48
9	MP2B	Mx	014	4.98
10	MP2B	X	-9.221	4.98
11	MP2B	Z	15.971	4.98
12	MP2B	Mx	014	1.48
13	MP2C	X	-12.453	
14	MP2C	Z	21.569	1.48 1.48
15	MP2C	Mx	007	4.98
16	MP2C	X	-12.453	4.98
17	MP2C	Z	21.569	4.98
18	MP2C	Mx	007	1.48
19	MP2A	X	-12.453	1.48
20	MP2A	Z	21.569	1.48
21	MP2A	Mx	007	4.98
22	MP2A	X	-12.453	4.98
23	MP2A	Z	21.569	4.98
24	MP2A	Mx	007	1.48
25	MP2B	X	-9.221	1.48
26	MP2B	Z	15.971	1.48
27	MP2B	Mx	014	4.98
28	MP2B	X	-9.221	4.98
29	MP2B	Z	15.971	
30	MP2B	Mx	014	4.98 1.48
31	MP2C	X	-12.453	1.48
32	MP2C	Z	21.569	
33	MP2C	Mx	.026	1.48
34	MP2C	X	-12.453	4.98
35	MP2C	Z	21.569	4.98
36	MP2C	Mx	.026	4.98
37	MP1A	X	-6.157	2.22
38	MP1A	Z	10.665	2.22
39	MP1A	Mx	.003	2.22
40	MP1A	X	-6.157	4.22
41	MP1A	Z	10.665	4.22
42	MP1A	Mx	.003	4.22
43	MP1B	X	-3.056	2.22
44	MP1B	Z	5.294	2.22
45	MP1B	Mx	003	2.22
46	MP1B	X	-3.056	4.22
47	MP1B	Z	5.294	4.22
48	MP1B	Mx	003	4.22
49	MP1C	X	-6.157	2.22
50	MP1C	Z	10.665	2.22
51	MP1C	Mx	.003	2.22
52	MP1C	X	-6.157	4.22
53	MP1C	Z	10.665	4.22
54	MP1C	Mx	.003	4.22
55	M82	X	-1.37	6.3
56	M82	Z	2.373	6.3
57	M82	Mx	0	6.3
58	MP2A	X	-5.59	2.64
59	MP2A	Z	9.683	2.64
60	MP2A	Mx	003	2.64
	MP2B	X	-4.205	2.64
62	MP2B	Ž	7.284	2.64



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2B	Mx	.004	2.64
64	MP2C	X	-5.59	2.64
65	MP2C	Z	9.683	2.64
66	MP2C	Mx	003	2.64
67	MP3A	X	-5.415	2.64
68	MP3A	Z	9.379	2.64
69	MP3A	Mx	003	2.64
70	MP3B	X	-3.504	2.64
71	MP3B	Z	6.068	2.64
72	MP3B	Mx	.004	2.64
73	MP3C	X	-5.415	2.64
74	MP3C	Z	9.379	2.64
75	MP3C	Mx	003	2.64
76	OVP2	X	-7.254	2.04
77	OVP2	Z	12.565	1
78	OVP2	Mx	0	
79	M200	X	-1.37	6.3
80	M200	7	2.373	6.3
81	M200	Mx	0	6.3
82	M91	X	-1.37	6.3
83	M91	Z	2.373	6.3
84	M91	Mx	0	6.3
85	OVP1	X	-7.254	1
86	OVP1	7	12.565	
87	OVP1	Mx	0	
88	MP2B	X	-1.244	5
89	MP2B	Z	2.155	5
90	MP2B	Mx	002	5
91	MP2B	X	-1.244	5
92	MP2B	Z	2.155	5
93	MP2B	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-17.837	1.48
2	MP2A	Z	10.298	1.48
3	MP2A	Mx	.021	1.48
4	MP2A	X	-17.837	4.98
5	MP2A	Z	10.298	4.98
6	MP2A	Mx	.021	4.98
7	MP2B	X	-17.837	1.48
8	MP2B	Z	10,298	1.48
9	MP2B	Mx	006	1.48
10	MP2B	X	-17.837	4.98
11	MP2B	7	10.298	4.98
12	MP2B	Mx	006	4.98
13	MP2C	X	-23.435	1.48
14	MP2C	Z	13.53	1.48
15	MP2C	Mx	02	1.48
16	MP2C	X	-23.435	4.98
17	MP2C	7	13.53	4.98
18	MP2C	Mx	02	4.98
19	MP2A	X	-17.837	1.48
20	MP2A	7	10.298	1.48
21	MP2A	Mx	.006	1.48
22	MP2A	X	-17.837	4.98



RISA-3D Version 17.0.4

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

	Member Label	Direction	Deg)) (Continued) Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	10.298	4.98
24	MP2A	Mx	.006	4.98
25	MP2B	X	-17.837	1.48
26	MP2B	Z	10.298	1.48
27	MP2B	Mx	021	1.48
28	MP2B	X	-17.837	4.98
29	MP2B	Z	10.298	4.98
30	MP2B	Mx	021	4.98
31	MP2C	X	-23.435	1.48
32	MP2C	Z	13.53	1.48
33	MP2C	Mx	.02	1.48
34	MP2C	X	-23.435	4.98
35	MP2C	Z	13.53	4.98
36	MP2C	Mx	.02	4.98
37	MP1A	X	-7.084	2.22
38	MP1A	Z	4.09	2.22
39	MP1A	Mx	.004	2.22
40	MP1A	X	-7.084	4.22
41	MP1A	Z	4.09	4.22
42	MP1A	Mx	.004	4.22
43	MP1B	X	-7.084	2.22
44	MP1B	Z	4.09	2.22
45	MP1B	Mx	004	2.22
46	MP1B	X	-7.084	4.22
47	MP1B	Z	4.09	4.22
48	MP1B	Mx	004	4.22
49	MP1C	X	-12.455	2.22
50	MP1C	Z	7.191	2.22
51	MP1C	Mx	0	2.22
52	MP1C	X	-12.455	4.22
53	MP1C	Z	7.191	4.22
54	MP1C	Mx	0	4.22
55	M82	X	-2.055	6.3
56	M82	Z	1.186	6.3
57	M82	Mx	0	6.3
58	MP2A	X	-8.083	2.64
59	MP2A	Z	4.667	2.64
60	MP2A	Mx	004	2.64
61	MP2B	X	-8.083	2.64
62	MP2B	Z	4.667	2.64
63	MP2B	Mx	.004	2.64
64	MP2C	X	-10.482	2.64
65	MP2C	Z	6.052	2.64
66	MP2C	Mx	0	2.64
67	MP3A	X	-7.172	2.64
68	MP3A	Z	4.141	2.64
69	MP3A	Mx	004	2.64
	MP3B	X	-7.172	2.64
70	MP3B	Z	4.141	2.64
71 72	MP3B	Mx	.004	2.64
	MP3C	X	-10.482	2.64
73		Z	6.052	2.64
74	MP3C MP3C	Mx	0	2.64
75	OVP2	X	-10.363	1
76		Z	5.983	11
77 78	OVP2 OVP2	Mx	0	
	UVEZ	1 IVIA	-2.055	6.3

Company Designer Job Number

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	M200	Z	1.186	6.3
81	M200	Mx	0	6.3
82	M91	X	-2.055	6.3
83	M91	Z	1.186	6.3
84	M91	Mx	0	6.3
85	OVP1	X	-10.363	1
86	OVP1	Z	5.983	1
87	OVP1	Mx	0	1
88	MP2B	X	-3.055	5
89	MP2B	Z	1.764	5
90	MP2B	Mx	003	5
91	MP2B	X	-3.055	5
92	MP2B	7	1.764	5
93	MP2B	Mx	.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-18.441	1.48
2	MP2A	Z	0	1.48
3	MP2A	Mx	.014	1.48
4	MP2A	X	-18.441	4.98
5	MP2A	Z	0	4.98
6	MP2A	Mx	.014	4.98
7	MP2B	X	-24.905	1.48
8	MP2B	Z	0	1.48
9	MP2B	Mx	.007	1.48
10	MP2B	X	-24.905	4.98
11	MP2B	Z	0	4.98
12	MP2B	Mx	.007	4.98
13	MP2C	X	-24.905	1.48
14	MP2C	Z	0	1.48
15	MP2C	Mx	026	1.48
16	MP2C	X	-24.905	4.98
17	MP2C	Z	-24.905	
18	MP2C	Mx	026	4.98
19	MP2A	X	020 -18.441	4.98
20	MP2A	Z	-18.441	1.48
21	MP2A	Mx	.014	1.48
22	MP2A	X	-18.441	1.48
23	MP2A	Z	-18.441	4.98
24	MP2A	Mx	.014	4.98
25	MP2B	X		4.98
26	MP2B	Z	-24.905	1.48
27	MP2B	Mx	0	1.48
28	MP2B	X	026	1.48
29	MP2B	7	-24.905	4.98
30	MP2B		0	4.98
31	MP2C	Mx	026	4.98
32	MP2C MP2C	X	-24.905	1.48
33		Z	0	1.48
34	MP2C	Mx	.007	1.48
35	MP2C	X	-24.905	4.98
	MP2C	Z	0	4.98
36	MP2C	Mx	.007	4.98
37	MP1A	X	-6.113	2.22
38	MP1A	Z	0	2.22
39	MP1A	Mx	.003	2.22



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

Member L	abel Direction	Magnitude[lb,k-ft]	Location[ft,%]
40 MP1A	X	-6.113	4.22
41 MP1A		0	4.22
42 MP1A		.003	4.22
43 MP1E		-12.315	2.22
14 MP1E		0	2.22
45 MP1E		003	2.22
46 MP1E	Alexander and a second a second and a second a second and	-12.315	4.22
47 MP1E		0	4.22
48 MP1E		003	4.22
49 MP10		-12.315	2.22
50 MP10		0	2.22
51 MP10		003	2.22
52 MP10		-12.315	4.22
53 MP10		0	4.22
54 MP10		003	4.22
55 M82	X	- 2.19	6.3
56 M82	Z	0	6.3
57 M82	Mx	0	6.3
58 MP2A		-8.411	2.64
59 MP2A		0	2.64
60 MP2A	1000	004	2.64
61 MP2E		-11.18	2.64
62 MP2E		0	2.64
		.003	2.64
The state of the s		-11.18	2.64
		0	2.64
65 MP20 66 MP20		.003	2.64
67 MP3A		-7.007	2.64
		0	2.64
		004	2.64
69 MP3/ 70 MP3E		-10.83	2.64
71 MP3E		0	2.64
72 MP3E		.003	2.64
73 MP30		-10.83	2.64
		0	2.64
		.003	2.64
		-10.696	1
		0	1
77 OVP2 78 OVP2		0	1
		-2.19	6.3
		0	6.3
		0	6.3
	X	-2.19	6.3
		0	6.3
		0	6.3
		-10.696	1
		0	1
		0	1
		-5.604	5
88 MP2I		0	5
89 MP2E	111111111111111111111111111111111111111	002	5
90 MP2I		-5.604	5
91 MP2I		0	5
92 MP2I 93 MP2I		.002	5

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



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

	Member Label MP2A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	X	-17.837	1.48
3	MP2A		-10.298	1.48
4	MP2A	Mx	.006	1.48
5	MP2A MP2A	X	-17.837	4.98
6	MP2A	Z	-10.298	4.98
7	MP2B	Mx	.006	4.98
8	MP2B	X	-23,435	1.48
9		Z	-13.53	1.48
10	MP2B MP2B	Mx	.02	1.48
11		X	-23.435	4.98
12	MP2B MP2B	Z	-13.53	4.98
13	MP2C	Mx	.02	4.98
14		X	-17.837	1.48
15	MP2C	Z	-10.298	1.48
16	MP2C	Mx	021	1.48
17	MP2C	X	-17.837	4.98
18	MP2C	Z	-10.298	4.98
	MP2C	Mx	021	4.98
19	MP2A	X	-17.837	1.48
20	MP2A	Z	-10.298	1.48
21	MP2A	Mx	.021	1.48
22	MP2A	X	-17.837	4.98
23	MP2A	Z	-10.298	4.98
24	MP2A	Mx	.021	4.98
25	MP2B	X	-23.435	1.48
26	MP2B	Z	-13.53	1.48
27	MP2B	Mx	02	1.48
28	MP2B	X	-23.435	4.98
29	MP2B	Z	-13.53	4.98
30	MP2B	Mx	02	4.98
31	MP2C	X	-17.837	1.48
32	MP2C	Z	-10.298	1.48
33	MP2C	Mx	006	1.48
34	MP2C	X	-17.837	4.98
35	MP2C	Z	-10.298	4.98
36	MP2C	Mx	006	4.98
37	MP1A	X	-7.084	2.22
38	MP1A	Z	-4.09	2.22
39	MP1A	Mx	.004	2.22
40	MP1A	X	-7.084	4.22
41	MP1A	Z	-4.09	4.22
42	MP1A	Mx	.004	4.22
43	MP1B	X	-12.455	2.22
44	MP1B	Z	-7.191	2.22
45	MP1B	Mx	0	2.22
46	MP1B	X	-12.455	4.22
47	MP1B	Z	-7.191	4.22
48	MP1B	Mx	0	4.22
49	MP1C	X	-7.084	2.22
50	MP1C	Z	-4.09	2.22
51	MP1C	Mx	004	2.22
52	MP1C	X	-7.084	4.22
53	MP1C	Z	-4.09	4.22
54	MP1C	Mx	004	4.22
55	M82	X	-2.055	6.3
56	M82	Z	-1.186	6.3
57	M82	Mx	0	6.3



Colliers Engineering & Design AE Project No. 10207129 5000382428-VZW_MT_LO_H

July 20, 2023 10:29 AM Checked By: DX

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

Membe		n Magnitude[lb,k-ft]	Location[ft,%]
58 MP	Labor	-8.083	2.64
	ZA Z	-4.667	2.64
	Carl V	004	2.64
0,0	ful \	-10.482	2.64
-		-6.052	2.64
-	20	0	2.64
	20	-8.083	2.64
64 MP		-4.667	2.64
65 MP	20	.004	2.64
66 MP		-7.172	2.64
	<u> </u>	-4.141	2.64
		004	2.64
	O/ 1	-10.482	2.64
	00	-6.052	2.64
	30	0.002	2.64
	OD	-7.172	2.64
	-	-4.141	2.64
74 MP	00	.004	2.64
	3C Mx	-10.363	1
	P2 X	-5.983	1
	P2 Z	-5:965	
	P2 Mx	-2.055	6.3
	200 X	-2.035	6.3
	200 Z	-1.180	6.3
81 M2	200 Mx	-2.055	6.3
82 M	91 X	-2.055	6.3
83 M	91 Z	-1.180	6.3
84 M			1
85 OV	/P1 X	-10.363	
86 OV	/P1 Z	-5.983	
	/P1 Mx	0	5
	2B X	-5.752	5
	P2B Z	-3.321	5
	P2B Mx	0	5
	22B X	-5.752	
	P2B Z	-3.321	5
	P2B Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
		X	-12.453	1.48
1	MP2A	Ž	-21.569	1.48
2	MP2A		007	1.48
3	MP2A	Mx	-12.453	4.98
4	MP2A	X	-21.569	4.98
5	MP2A	Z	007	4.98
6	MP2A	Mx		1.48
7	MP2B	X	-12.453	1.48
8	MP2B	Z	-21.569	1.48
9	MP2B	Mx	.026	
10	MP2B	X	-12.453	4.98
11	MP2B	Z	-21.569	4.98
12	MP2B	Mx	.026	4.98
	MP2C	X	-9.221	1.48
13		Z	-15.971	1.48
14	MP2C	Mx	014	1.48
15	MP2C	X	-9.221	4.98
16	MP2C	7	-15.971	4.98
17	MP2C		10.011	



: Colliers Engineering & Design : AE : Project No. 10207129 : 5000382428-VZW_MT_LO_H

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

18	Member Label MP2C	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	Mx V	014	4.98
20	MP2A	X	-12.453	1.48
21	MP2A	Mx	-21.569	1.48
22	MP2A	X	.026	1.48
23	MP2A	Z	-12,453	4.98
24	MP2A	Mx	-21.569	4.98
25	MP2B		.026	4.98
26	MP2B	X	-12.453	1.48
27	MP2B	Mx	-21.569	1.48
28	MP2B	X	007	1.48
29	MP2B	Z	-12.453	4.98
30	MP2B	Mx	-21.569	4.98
31	MP2C	X	007	4.98
32	MP2C	Z	-9.221 -15.971	1.48
33	MP2C	Mx		1.48
34	MP2C	X	014 -9.221	1.48
35	MP2C	Z	-9.221 -15.971	4.98
36	MP2C	Mx	014	4.98
37	MP1A	X	014 -6.157	4.98
38	MP1A	Z	-0.137	2.22
39	MP1A	Mx	.003	2.22
40	MP1A	X	-6.157	2.22
41	MP1A	Z	-10.665	4.22
42	MP1A	Mx	.003	4.22
43	MP1B	X	-6.157	
44	MP1B	Z	-10.665	2.22
45	MP1B	Mx	.003	2.22
46	MP1B	X	-6.157	4.22
47	MP1B	Z	-10.665	4.22
48	MP1B	Mx	.003	4.22
49	MP1C	X	-3.056	2.22
50	MP1C	Z	-5.294	2.22
51	MP1C	Mx	003	2.22
52	MP1C	X	-3.056	4.22
53	MP1C	Z	-5.294	4.22
54	MP1C	Mx	003	4.22
55	M82	X	-1.37	6.3
56	M82	Z	-2.373	6.3
57	M82	Mx	0	6.3
58	MP2A	X	-5.59	2.64
59	MP2A	Z	-9.683	2.64
60	MP2A	Mx	003	2.64
61	MP2B	X	-5.59	2.64
62	MP2B	Z	-9.683	2.64
63	MP2B	Mx	003	2.64
64	MP2C	X	-4.205	2.64
65	MP2C	Z	-7.284	2.64
66	MP2C	Mx	.004	2.64
67	MP3A	X	-5.415	2.64
68	MP3A	Z	-9.379	2.64
69	MP3A	Mx	003	2.64
70	MP3B	X	-5.415	2.64
71	MP3B	Z	-9.379	2.64
72	MP3B	Mx	003	2.64
73	MP3C	X	-3.504	2.64
74	MP3C	Z	-6.068	2.64



Colliers Engineering & Design AE

Project No. 10207129 5000382428-VZW_MT_LO_H

July 20, 2023 10:29 AM Checked By: DX

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

	TOIR LOUGS (DLG 2	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	Member Label	Mx	.004	2.64
75	MP3C		-7.254	1
76	OVP2	X	-12.565	1
77	OVP2	Z		1
78	OVP2	Mx	0	6.3
79	M200	X	-1.37	
80	M200	Z	-2.373	6.3
81	M200	Mx	0	6.3
82	M91	X	-1.37	6.3
	M91	7	-2.373	6.3
83	M91	Mx	0	6.3
84	OVP1	X	-7.254	11
85		Ž	-12.565	
86	OVP1	Mx	0	1
87	OVP1	X	-2.802	5
88	MP2B		-4.853	5
89	MP2B	Z	.002	5
90	MP2B	Mx		5
91	MP2B	X	-2.802	5
92	MP2B	Z	-4.853	5
93	MP2B	Mx	002	3

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

CITIDO	Point Loads (BLC 2	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	Member Label	X	0	1.48
1	MP2A	7	-8.911	1.48
2	MP2A	Mx	007	1.48
3	MP2A	X	0	4.98
4	MP2A	Z	-8.911	4.98
5	MP2A	Mx	007	4.98
6	MP2A	X	0	1.48
7	MP2B	Z	-6.617	1.48
8	MP2B	Mx	.007	1.48
9	MP2B		0	4.98
10	MP2B	X	-6.617	4.98
11	MP2B	Mx	.007	4.98
12	MP2B		0	1.48
13	MP2C	X	-6.617	1.48
14	MP2C		002	1.48
15	MP2C	Mx	0	4.98
16	MP2C	X	-6.617	4.98
17	MP2C	Z	002	4.98
18	MP2C	Mx	002	1.48
19	MP2A	X	-8.911	1.48
20	MP2A	Z	.007	1.48
21	MP2A	Mx	.007	4.98
22	MP2A	X		4.98
23	MP2A	Z	-8.911	4.98
24	MP2A	Mx	.007	1.48
25	MP2B	X	0	1.48
26	MP2B	Z	-6.617	1.48
27	MP2B	Mx	.002	4.98
28	MP2B	X	0	4.98
29	MP2B	Z	-6.617	4.98
30	MP2B	Mx	.002	1.48
31	MP2C	X	0	1.48
32	MP2C	Z	-6.617	1.48
33	MP2C	Mx	007	
34	MP2C	X	0	4.98



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

38	35	Member Label MP2C	Direction	Magnitude[lb.k-ft]	Location[ft,%]
37			Z	-6.617	4.98
38					
Section		MP1A	 		
40					
41					2.22
42					
43					
A44					
45			X 7		
46					
47					
AB					
49					
50 MP1C Z -2.499 2.22 51 MP1C Mx 001 2.22 52 MP1C X 0 4.22 53 MP1C Z -2.499 4.22 54 MP1C Mx -001 4.22 55 MB2 X 0 6.3 56 MB2 Z -724 6.3 57 MB2 Mx 0 6.3 58 MP2A X 0 6.3 58 MP2A X 0 6.3 59 MP2A X 0 2.64 60 MP2A X 0 2.64 61 MP2B X 0 2.64 61 MP2B X 0 2.64 62 MP2B X 0 2.64 63 MP2B X 0 2.64 64 MP2B X 0					
51 MPC Mx 001 2.22 52 MP1C X 0 4.22 53 MP1C Z -2.499 4.22 54 MP1C Mx 001 4.22 55 M82 X 0 6.3 56 M82 Z 724 6.3 57 M82 Mx 0 6.3 58 MP2A X 0 6.3 59 MP2A X 0 2.64 60 MP2A Z -3.032 2.64 61 MP2B X 0 2.64 61 MP2B X 0 2.64 62 MP2B X 0 2.64 63 MP2B X 0 2.64 64 MP2B X 0 2.64 64 MP2B X 0 2.64 65 MP2B Mx .000989<					
SZ					2.22
53 MP1C Z -2.499 4.22 54 MP1C Mx 001 4.22 55 M82 X 0 6.3 56 M82 Z 724 6.3 57 M82 Mx 0 6.3 58 MP2A X 0 2.64 59 MP2A X 0 2.64 60 MP2A X 0 2.64 60 MP2B X 0 2.64 60 MP2B X 0 2.64 61 MP2B X 0 2.64 62 MP2B X 0 2.64 62 MP2B X 0 2.64 64 MP2C X 0 2.64 64 MP2C X 0 2.64 65 MP2C Mx 0.00989 2.64 66 MP2C Mx 0.00989 </td <td></td> <td></td> <td></td> <td></td> <td>2.22</td>					2.22
54 MP1C Mx -001 4.22 55 M82 X 0 6.3 56 M82 Z -724 6.3 57 M82 Mx 0 6.3 57 M82 Mx 0 2.64 58 MP2A X 0 2.64 60 MP2A Z -3.032 2.64 60 MP2A X 0 2.64 60 MP2B X 0 2.64 61 MP2B X 0 2.64 62 MP2B Z -2.284 2.64 63 MP2B X 0 2.64 64 MP2C X 0 2.64 65 MP2C X 0 2.64 66 MP2C Mx 0.00989 2.64 67 MP3A X 0 2.64 68 MP3A X 0					4.22
S5					4.22
Section					
MISC X					
SE MP2A X 0 6.3 59 MP2A X 0 2.64 60 MP2A MX 0 2.64 61 MP2B X 0 2.64 61 MP2B X 0 2.64 62 MP2B X 0 2.64 63 MP2B MX 000989 2.64 64 MP2C X 0 2.64 65 MP2C X 0 2.64 65 MP2C MX .000989 2.64 66 MP2C MX .000989 2.64 67 MP3A X 0 2.64 68 MP3A X 0 2.64 69 MP3A X 0 2.64 70 MP3B X 0 2.64 71 MP3B X 0 2.64 72 MP3B MX 0 </td <td></td> <td>M82</td> <td></td> <td>724</td> <td></td>		M82		724	
Section				0	
MP2A			X		
60 MP2A Mx 0 2.64 61 MP2B X 0 2.64 62 MP2B Z -2.284 2.64 63 MP2B Mx -000989 2.64 64 MP2C X 0 2.64 65 MP2C X 0 2.64 66 MP2C Mx .000989 2.64 66 MP2C Mx .000989 2.64 67 MP3A X 0 2.64 67 MP3A X 0 2.64 68 MP3A X 0 2.64 69 MP3A Mx 0 2.64 70 MP3B X 0 2.64 71 MP3B X 0 2.64 72 MP3B Mx -00868 2.64 73 MP3C X 0 2.64 74 MP3C X				-3.032	
61 MP2B X 0 2.64 62 MP2B Z -2.284 2.64 63 MP2B Mx -000989 2.64 64 MP2C X 0 2.64 65 MP2C Z -2.284 2.64 66 MP2C Mx 000989 2.64 67 MP3A X 0 2.64 68 MP3A X 0 2.64 69 MP3A X 0 2.64 70 MP3B X 0 2.64 70 MP3B X 0 2.64 71 MP3B X 0 2.64 71 MP3B Z -2.005 2.64 72 MP3B Mx -000868 2.64 73 MP3C X 0 2.64 74 MP3C X 0 1 75 MP3C Mx				0	
62 MP2B Z -2.284 2.64 63 MP2B Mx 000989 2.64 64 MP2C X 0 2.64 65 MP2C Z -2.284 2.64 66 MP2C Mx .000989 2.64 67 MP3A X 0 2.64 68 MP3A Z -3.032 2.64 69 MP3A X 0 2.64 70 MP3B X 0 2.64 70 MP3B X 0 2.64 71 MP3B X 0 2.64 72 MP3B X 0 2.64 72 MP3B Mx 000868 2.64 73 MP3C X 0 2.64 74 MP3B Mx 0.00868 2.64 75 MP3C Mx 0.00868 2.64 77 OVP2					
63 MP2B Mx 000989 2.64 65 MP2C X 0 2.64 65 MP2C Mx .000989 2.64 66 MP2C Mx .000989 2.64 67 MP3A X 0 2.64 68 MP3A Z -3.032 2.64 69 MP3A MX 0 2.64 70 MP3B X 0 2.64 70 MP3B X 0 2.64 71 MP3B X 0 2.64 71 MP3B X 0 2.64 72 MP3B X 0 2.64 73 MP3B X 0 2.64 73 MP3B X 0 2.64 74 MP3C X 0 2.64 75 MP3C MX 000868 2.64 76 OVP2 X			Z	-2.284	
64 MP2C X 0 2.64 65 MP2C Z -2.284 2.64 66 MP2C Mx .000989 2.64 67 MP3A X 0 2.64 68 MP3A Z -3.032 2.64 69 MP3A MX 0 2.64 70 MP3B X 0 2.64 70 MP3B X 0 2.64 71 MP3B X 0 2.64 71 MP3B X 0 2.64 72 MP3B MX .000868 2.64 73 MP3C X 0 2.64 74 MP3C X 0 2.64 74 MP3C X 0 1 76 OVP2 X 0 1 77 OVP2 X 0 1 79 M200 X 0					
66 MP2C X .000989 2.64 67 MP3A X 0 2.64 68 MP3A Z -3.032 2.64 69 MP3A MX 0 2.64 70 MP3B X 0 2.64 71 MP3B X 0 2.64 71 MP3B MX -000868 2.64 72 MP3B MX -000868 2.64 72 MP3B MX 0 2.64 73 MP3C X 0 2.64 74 MP3C Z -2.005 2.64 75 MP3C X 0 2.64 76 OVP2 X 0 1 77 OVP2 X 0 1 78 OVP2 MX 0 6.3 80 M200 X 0 6.3 81 M200 MX			X		
66 MP2C Mx .000989 2.64 67 MP3A X 0 2.64 68 MP3A Z -3.032 2.64 69 MP3A MX 0 2.64 70 MP3B X 0 2.64 70 MP3B X 0 2.64 71 MP3B X 0 2.64 72 MP3B MX 000868 2.64 72 MP3B MX 000868 2.64 74 MP3C X 0 2.64 74 MP3C X 0 2.64 75 MP3C X 0 1 77 OVP2 X 0 1 77 OVP2 X 0 1 79 M200 X 0 6.3 81 M200 X 0 6.3 82 M91 X 0			Z	-2.284	
6/7 MP3A X 0 2.64 68 MP3A Z -3.032 2.64 69 MP3A Mx 0 2.64 70 MP3B X 0 2.64 71 MP3B X 0 2.64 72 MP3B Mx 000868 2.64 73 MP3C X 0 2.64 74 MP3C X 0 2.64 75 MP3C Mx .000868 2.64 75 MP3C Mx .000868 2.64 76 OVP2 X 0 1 77 OVP2 Z -4.891 1 79 M200 X 0 1 79 M200 X 0 6.3 80 M200 X 0 6.3 81 M200 MX 0 6.3 82 M91 X 0 <td></td> <td></td> <td>Mx</td> <td></td> <td></td>			Mx		
68 MP3A Z -3.032 2.64 69 MP3A Mx 0 2.64 70 MP3B X 0 2.64 71 MP3B X 0 2.64 72 MP3B Mx 000868 2.64 72 MP3B Mx 000868 2.64 73 MP3C X 0 2.64 74 MP3C Z -2.005 2.64 75 MP3C Mx 000868 2.64 75 MP3C Mx 000868 2.64 76 OVP2 X 0 1 77 OVP2 X 0 1 78 OVP2 Mx 0 1 79 M200 X 0 6.3 80 M200 X 0 6.3 81 M200 Mx 0 6.3 82 M91 X <t< td=""><td></td><td>MP3A</td><td>X</td><td></td><td></td></t<>		MP3A	X		
69 MP3A Mx 0 2.64 70 MP3B X 0 2.64 71 MP3B Z -2.005 2.64 72 MP3B Mx -000868 2.64 73 MP3C X 0 2.64 74 MP3C Z -2.005 2.64 75 MP3C Mx .000868 2.64 76 OVP2 X 0 1 77 OVP2 X 0 1 78 OVP2 Mx 0 1 79 M200 X 0 6.3 80 M200 X 0 6.3 81 M200 X 0 6.3 82 M91 X 0 6.3 83 M91 X 0 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 <t< td=""><td></td><td></td><td>Z</td><td></td><td></td></t<>			Z		
70 MP3B X 0 2.64 71 MP3B Z -2.005 2.64 72 MP3B Mx 000868 2.64 73 MP3C X 0 2.64 74 MP3C Z -2.005 2.64 75 MP3C Mx .000868 2.64 76 OVP2 X 0 1 77 OVP2 X 0 1 78 OVP2 Mx 0 1 79 M200 X 0 6.3 80 M200 X 0 6.3 81 M200 X 0 6.3 82 M91 X 0 6.3 83 M91 X 0 6.3 84 M91 X 0 6.3 85 OVP1 X 0 1 86 OVP1 X 0 1<			Mx		
71 MP3B Z -2.005 2.64 72 MP3B Mx 000868 2.64 73 MP3C X 0 2.64 74 MP3C Z -2.005 2.64 75 MP3C Mx .000868 2.64 76 OVP2 X 0 1 77 OVP2 X 0 1 78 OVP2 Mx 0 1 79 M200 X 0 6.3 80 M200 X 0 6.3 81 M200 Mx 0 6.3 82 M91 X 0 6.3 83 M91 X 0 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 1 86 OVP1 X 0 1 87 OVP1 Mx 0 5<			X		
72 MP3B Mx 000868 2.64 73 MP3C X 0 2.64 74 MP3C Z -2.005 2.64 75 MP3C Mx .000868 2.64 76 OVP2 X 0 1 76 OVP2 X 0 1 78 OVP2 Mx 0 1 79 M200 X 0 6.3 80 M200 X 0 6.3 81 M200 Mx 0 6.3 82 M91 X 0 6.3 83 M91 X 0 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 1 86 OVP1 X 0 1 87 OVP1 Mx 0 5 88 MP2B X 0 5			Z		
73 MP3C X 0 2.64 74 MP3C Z -2.005 2.64 75 MP3C Mx .000868 2.64 76 OVP2 X 0 1 77 OVP2 X 0 1 78 OVP2 Mx 0 1 79 M200 X 0 6.3 80 M200 X 0 6.3 81 M200 Mx 0 6.3 82 M91 X 0 6.3 83 M91 X 0 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 1 86 OVP1 X 0 1 87 OVP1 Mx 0 5 89 MP2B X 0 5 90 MP2B Mx .000647 5 <td></td> <td></td> <td>Mx</td> <td></td> <td></td>			Mx		
74 MP3C Z -2.005 2.64 75 MP3C Mx .000868 2.64 76 OVP2 X 0 1 77 OVP2 X 0 1 78 OVP2 Mx 0 1 79 M200 X 0 6.3 80 M200 X 0 6.3 81 M200 Mx 0 6.3 82 M91 X 0 6.3 83 M91 X 0 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 1 86 OVP1 X 0 1 87 OVP1 X 0 5 88 MP2B X 0 5 89 MP2B X 0 5 90 MP2B Mx .000647 5 <					
75 MP3C Mx .000868 2.64 76 OVP2 X 0 1 77 OVP2 Z -4.891 1 78 OVP2 Mx 0 1 79 M200 X 0 6.3 80 M200 X 0 6.3 81 M200 Mx 0 6.3 82 M91 X 0 6.3 83 M91 Z 724 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 6.3 85 OVP1 X 0 1 86 OVP1 Z -4.891 1 87 OVP1 Mx 0 5 89 MP2B X 0 5 90 MP2B X .000647 5			Z	-2.005	
76 OVP2 X 0 1 77 OVP2 Z -4.891 1 78 OVP2 Mx 0 1 79 M200 X 0 6.3 80 M200 X 0 6.3 81 M200 Mx 0 6.3 82 M91 X 0 6.3 83 M91 X 0 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 1 86 OVP1 X 0 1 87 OVP1 Mx 0 1 88 MP2B X 0 5 89 MP2B Z 897 5 90 MP2B Mx .000647 5			Mx		
77 OVP2 Z -4.891 1 78 OVP2 Mx 0 1 79 M200 X 0 6.3 80 M200 Z 724 6.3 81 M200 Mx 0 6.3 82 M91 X 0 6.3 83 M91 Z 724 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 1 86 OVP1 X 0 1 87 OVP1 Mx 0 1 88 MP2B X 0 5 89 MP2B X 0 5 90 MP2B Mx .000647 5			X		
78 OVP2 Mx 0 1 79 M200 X 0 6.3 80 M200 Z 724 6.3 81 M200 Mx 0 6.3 82 M91 X 0 6.3 83 M91 Z 724 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 1 86 OVP1 X 0 1 87 OVP1 Mx 0 1 88 MP2B X 0 5 89 MP2B Z 897 5 90 MP2B Mx .000647 5				- 1 (MATERIAL)	1
79 M200 X 0 6.3 80 M200 Z 724 6.3 81 M200 Mx 0 6.3 82 M91 X 0 6.3 83 M91 Z 724 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 1 86 OVP1 Z -4.891 1 87 OVP1 Mx 0 1 88 MP2B X 0 5 89 MP2B X 0 5 90 MP2B Mx .000647 5					1
80 M200 Z 724 6.3 81 M200 Mx 0 6.3 82 M91 X 0 6.3 83 M91 Z 724 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 1 86 OVP1 Z -4.891 1 87 OVP1 Mx 0 1 88 MP2B X 0 5 89 MP2B Z 897 5 90 MP2B Mx .000647 5		M200			
81 M200 Mx 0 6.3 82 M91 X 0 6.3 83 M91 Z 724 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 1 86 OVP1 Z -4.891 1 87 OVP1 Mx 0 1 88 MP2B X 0 5 89 MP2B Z 897 5 90 MP2B Mx .000647 5		M200	Z		
82 M91 X 0 6.3 83 M91 Z 724 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 1 86 OVP1 Z -4.891 1 87 OVP1 Mx 0 1 88 MP2B X 0 5 89 MP2B Z 897 5 90 MP2B Mx .000647 5		M200			
83 M91 Z 724 6.3 84 M91 Mx 0 6.3 85 OVP1 X 0 1 86 OVP1 Z -4.891 1 87 OVP1 Mx 0 1 88 MP2B X 0 5 89 MP2B Z 897 5 90 MP2B Mx .000647 5		M91			
84 M91 Mx 0 6.3 85 OVP1 X 0 1 86 OVP1 Z -4.891 1 87 OVP1 Mx 0 1 88 MP2B X 0 5 89 MP2B Z 897 5 90 MP2B Mx .000647 5					
85 OVP1 X 0 1 86 OVP1 Z -4.891 1 87 OVP1 Mx 0 1 88 MP2B X 0 5 89 MP2B Z 897 5 90 MP2B Mx .000647 5					
86 OVP1 Z -4.891 1 87 OVP1 Mx 0 1 88 MP2B X 0 5 89 MP2B Z 897 5 90 MP2B Mx .000647 5					
87 OVP1 Mx 0 1 88 MP2B X 0 5 89 MP2B Z -897 5 90 MP2B Mx .000647 5	86				
88 MP2B X 0 5 89 MP2B Z 897 5 90 MP2B Mx .000647 5					
89 MP2B Z897 5 90 MP2B Mx .000647 5					1
90 MP2B Mx .000647 5					5
01 MD3D 300047 5					5
91 MP2B X 0 5	91	MP2B	X	.000647	



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Project No. 10207129 5000382428-VZW_MT_LO_H

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

	50% ST 50 76 305	Direction	Magnitude[lb.k-ft]	Location[ft.%]
92	Member Label MP2B	Z	897	5
92	MP2B	Mx	000647	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.073	1.48
2	MP2A	Z	-7.055	1.48
3	MP2A	Mx	008	1,48
4	MP2A	X	4.073	4.98
5	MP2A	Z	-7.055	4.98
6	MP2A	Mx	008	4.98
7	MP2B	X	2.926	1.48
8	MP2B	Z	-5.069	1.48
9	MP2B	Mx	.004	1.48
10	MP2B	X	2.926	4.98
11	MP2B	Z	-5.069	4.98
12	MP2B	Mx	.004	4.98
13	MP2C	X	4.073	1.48
14	MP2C	Z	-7.055	1.48
15	MP2C	Mx	.002	1.48
	MP2C	X	4.073	4.98
16	MP2C	Ž	-7.055	4.98
17	MP2C	Mx	.002	4.98
18	MP2A	X	4.073	1.48
19	MP2A MP2A	Z	-7.055	1.48
20	MP2A MP2A	Mx	.002	1.48
21		X	4.073	4.98
22	MP2A	Ž	-7.055	4.98
23	MP2A	Mx	.002	4.98
24	MP2A	X	2.926	1.48
25	MP2B	Z	-5.069	1.48
26	MP2B	Mx	.004	1.48
27	MP2B	X	2.926	4.98
28	MP2B	Z	-5.069	4.98
29	MP2B	Mx	.004	4.98
30	MP2B	X	4.073	1.48
31	MP2C	Ž	-7.055	1.48
32	MP2C		008	1.48
33	MP2C	Mx	4.073	4.98
34	MP2C	X	-7.055	4.98
35	MP2C	Z	008	4.98
36	MP2C	Mx	1.949	2.22
37	MP1A	X	-3.376	2.22
38	MP1A	Z	000975	2.22
39	MP1A	Mx	1.949	4.22
40	MP1A	X	-3.376	4.22
41	MP1A	Z	000975	4.22
42	MP1A	Mx	000975	2.22
43	MP1B	X	-1.559	2.22
44	MP1B	Z		2.22
45	MP1B	Mx	.0009	4.22
46	MP1B	X	.9	4.22
47	MP1B	Z	-1.559	4.22
48	MP1B	Mx	.0009	2.22
49	MP1C	X	1.949	2.22
50	MP1C	Z	-3.376	2.22
51	MP1C	Mx	000975	



Colliers Engineering & Design AE
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5000382428-VZW_MT_LO_H

July 20, 2023 10:29 AM Checked By: DX

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP1C	X	1.949	4.22
53	MP1C	Z	-3.376	4.22
54	MP1C	Mx	000975	4.22
55	M82	X	.334	6.3
56	M82	7	579	6.3
57	M82	Mx	0	6.3
58	MP2A	X	1.391	2.64
59	MP2A	Z	-2.41	2.64
60	MP2A	Mx	.000696	2.64
61	MP2B	X	1.017	2.64
62	MP2B	Z	-1.762	2.64
63	MP2B	Mx	001	2.64
64	MP2C	X	1.391	2.64
65	MP2C	Ž	-2.41	2.64
66	MP2C	Mx	.000696	2.64
67	MP3A	X	1.345	2.64
68	MP3A	Ž	-2,33	2.64
69	MP3A	Mx	.000672	2.64
70	MP3B	X	.831	2.64
71	MP3B	Z	-1.44	
72	MP3B	Mx	000831	2.64
73	MP3C	X	1.345	2.64 2.64
74	MP3C	Z	-2.33	
75	MP3C	Mx	.000673	2.64
76	OVP2	X	2.231	2.64
77	OVP2	Z	-3.864	
78	OVP2	Mx	-3.864	
79	M200	X	.334	
80	M200	Z	579	6.3
81	M200	Mx	0	
82	M91	X	.334	6.3
83	M91	Z	579	6.3
84	M91	Mx	579	6.3
85	OVP1	X	2.231	6.3
86	OVP1	Ž	-3.864	1
87	OVP1	Mx	-3.864 0	
88	MP2B	X	.285	1
89	MP2B	Z		5
90	MP2B	Mx	493 .000475	5
91	MP2B	X		5
92	MP2B	Ž	.285	5
93	MP2B		493	5
30	INITZB	Mx	000475	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.731	1.48
2	MP2A	Z	-3.309	1.48
3	MP2A	Mx	007	1.48
4	MP2A	X	5.731	4.98
5	MP2A	Z	-3.309	4.98
6	MP2A	Mx	007	4.98
7	MP2B	X	5.731	1.48
8	MP2B	Z	-3.309	1.48
9	MP2B	Mx	.002	1.48
10	MP2B	X	5.731	4.98
11	MP2B	Z	-3.309	4.98



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

N	lember Label	Direction	Magnitude[lb,k-ft]	Location[ft,%] 4.98
12	MP2B	Mx	.002	1.48
13	MP2C	X	7.717	1.48
14	MP2C	Z	-4.456	1.48
15	MP2C	Mx	.007	4.98
16	MP2C	X	7.717	4.98
17	MP2C	Z	-4.456	
18	MP2C	Mx	.007	4.98
19	MP2A	X	5.731	1.48
20	MP2A	Z	-3.309	1.48
21	MP2A	Mx	002	1.48
22	MP2A	X	5.731	4.98
23	MP2A	Z	-3.309	4.98
24	MP2A	Mx	002	4.98
25	MP2B	X	5.731	1.48
	MP2B	Z	-3.309	1.48
26 27	MP2B	Mx	.007	1.48
	MP2B	X	5.731	4.98
28		Z	-3.309	4.98
29	MP2B MP2B	Mx	.007	4.98
30		X	7.717	1.48
31	MP2C	Z	-4.456	1.48
32	MP2C	Mx	007	1.48
33	MP2C	X	7.717	4.98
34	MP2C		-4.456	4.98
35	MP2C	Z	007	4.98
36	MP2C	Mx	2.164	2.22
37	MP1A	X	-1.25	2.22
38	MP1A	Z		2.22
39	MP1A	Mx	001	4.22
40	MP1A	X	2.164	4.22
41	MP1A	Z	-1.25	4.22
42	MP1A	Mx	001	
43	MP1B	X	2.164	2.22
44	MP1B	Z	-1.25	
45	MP1B	Mx	.001_	2.22
46	MP1B	X	2.164	4.22
47	MP1B	Z	-1.25	4.22
48	MP1B	Mx	.001	4.22
49	MP1C	X	3.981	2.22
50	MP1C	Z	-2.299	2.22
51	MP1C	Mx	0	2.22
52	MP1C	X	3.981	4.22
53	MP1C	Z	-2.299	4.22
54	MP1C	Mx	0	4.22
55	M82	X	.482	6.3
	M82	Z	-,278	6.3
56	M82	Mx	0	6.3
57	MP2A	X	1,978	2.64
58	MP2A	Z	-1.142	2.64
59		Mx	.000989	2.64
60	MP2A	X	1.978	2.64
61	MP2B	Z	-1.142	2.64
62	MP2B		000989	2.64
63	MP2B	Mx	2.626	2.64
64	MP2C	X	-1.516	2.64
65	MP2C	Z	-1.516	2.64
66	MP2C	Mx	1.737	2.64
67	MP3A	X		2.64
68	MP3A	Z	-1.003	2,04



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	.000868	2.64
70	MP3B	X	1.737	2.64
71	MP3B	Z	-1.003	2.64
72	MP3B	Mx	000869	2.64
73	MP3C	X	2.626	2.64
74	MP3C	Z	-1.516	2.64
75	MP3C	Mx	0	2.64
76	OVP2	X	3.122	1
77	OVP2	Z	-1.802	1
78	OVP2	Mx	0	1
79	M200	X	.482	6.3
80	M200	Z	278	6.3
81	M200	Mx	0	6.3
82	M91	X	.482	6.3
83	M91	Z	278	6.3
84	M91	Mx	0	6.3
85	OVP1	X	3.122	1
86	OVP1	Z	-1.802	1
87	OVP1	Mx	0	1
88	MP2B	X	.777	5
89	MP2B	Z	448	5
90	MP2B	Mx	.000647	5
91	MP2B	X	.777	5
92	MP2B	Z	448	5
93	MP2B	Mx	000647	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.853	1.48
2	MP2A	Z	0	1.48
3	MP2A	Mx	004	1.48
4	MP2A	X	5.853	4.98
5	MP2A	Z	0	4.98
6	MP2A	Mx	004	4.98
7	MP2B	X	8.146	1.48
8	MP2B	Z	0	1.48
9	MP2B	Mx	002	1.48
10	MP2B	X	8.146	4.98
11	MP2B	Z	0	4.98
12	MP2B	Mx	~.002	4.98
13	MP2C	X	8.146	1.48
14	MP2C	Z	0	1.48
15	MP2C	Mx	.008	1.48
16	MP2C	X	8.146	4.98
17	MP2C	7	0.140	4.98
18	MP2C	Mx	.008	4.98
19	MP2A	X	5.853	1.48
20	MP2A	Z	0	1.48
21	MP2A	Mx	004	1.48
22	MP2A	X	5.853	4.98
23	MP2A	7	0	4.98
24	MP2A	Mx	004	4.98
25	MP2B	X	8.146	1.48
26	MP2B	7	0	1.48
27	MP2B	Mx	.008	1.48
28	MP2B	X	8.146	4.98



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
29	MP2B	Z	0	4.98 4.98
30	MP2B	Mx	.008	
31	MP2C	X	8.146	1.48
32	MP2C	Z	0	1.48
33	MP2C	Mx	002	1.48
34	MP2C	X	8.146	4.98
	MP2C	Z	0	4.98
35	MP2C	Mx	002	4.98
36	MP1A	X	1.8	2.22
7	MP1A	Ž	0	2.22
88	MPIA	Mx	-,0009	2.22
39	MP1A	X	1.8	4.22
0	MP1A	Ž	0	4.22
1	MP1A	Mx	0009	4.22
2	MP1A		3.898	2.22
13	MP1B	X	0	2.22
4	MP1B		.000975	2.22
5	MP1B	Mx	3.898	4.22
6	MP1B	X	0	4.22
7	MP1B	Z	.000975	4.22
18	MP1B	Mx		2.22
19	MP1C	X	3.898	2.22
50	MP1C	Z	0	2.22
51	MP1C	Mx	.000975	4.22
52	MP1C	X	3.898	4.22
53	MP1C	Z	0	
54	MP1C	Mx	.000975	4.22
55	M82	X	.501	6.3
6	M82	Z	0	6.3
57	M82	Mx	0	6.3
58	MP2A	X	2.035	2.64
	MP2A	Z	0	2.64
59	MP2A	Mx	.001	2.64
60		X	2.783	2.64
31	MP2B	Ž	0	2.64
52	MP2B	Mx	000696	2.64
33	MP2B	X	2.783	2.64
64	MP2C	Ž	0	2.64
35	MP2C		000696	2.64
66	MP2C	Mx	1.663	2.64
37	MP3A	X	0	2.64
38	MP3A		.000832	2.64
69	MP3A	Mx	2.69	2.64
70	MP3B	X		2.64
71	MP3B	Z	0	2.64
72	MP3B	Mx	000672	2.64
73	MP3C	X	2.69	2.64
74	MP3C	Z	0	2.64
75	MP3C	Mx	000672	2.04
76	OVP2	X	3.176	
77	OVP2	Z	0	
78	OVP2	Mx	0	1 00
79	M200	X	.501	6.3
	M200	Z	0	6.3
80	M200	Mx	0	6.3
81	M91	X	.501	6.3
82		Z	0	6.3
83	M91	Mx	0	6.3
84	M91 OVP1	X	3.176	1



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: 5000382428-VZW_MT_LO_H

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location[ft,%]
86	OVP1	Z	0	1
87	OVP1	Mx	0	1
88	MP2B	X	1.551	5
89	MP2B	Z	0	5
90	MP2B	Mx	.000646	5
91	MP2B	X	1.551	5
92	MP2B	7	0	5
93	MP2B	Mx	000646	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.731	1.48
2	MP2A	Z	3.309	1.48
3	MP2A	Mx	002	1.48
4	MP2A	X	5.731	4.98
5	MP2A	Z	3.309	4.98
6	MP2A	Mx	002	4.98
7	MP2B	X	7.717	1.48
8	MP2B	Z	4.456	1.48
9	MP2B	Mx	007	1.48
10	MP2B	X	7.717	4.98
11	MP2B	Z	4.456	4.98
12	MP2B	Mx	007	4.98
13	MP2C	X	5.731	1.48
14	MP2C	Z	3.309	
15	MP2C	Mx	.007	1.48
16	MP2C	X	5.731	1.48
17	MP2C	Z	3.309	4.98
18	MP2C	Mx	.007	4.98
19	MP2A	X	5.731	4.98
20	MP2A	Z	3.731	1.48
21	MP2A	Mx	3.309	1.48
22	MP2A	X	007	1.48
23	MP2A	Z	5.731	4.98
24	MP2A		3.309	4.98
25	MP2B	Mx	007	4.98
26	MP2B	X	7.717	1.48
27	MP2B		4.456	1.48
28	MP2B	Mx	.007	1.48
29	MP2B	X	7.717	4.98
30		Z	4.456	4.98
31	MP2B	Mx	.007	4.98
32	MP2C	X	5.731	1.48
	MP2C	Z	3.309	1.48
33	MP2C	Mx	.002	1.48
34	MP2C	X	5.731	4.98
35	MP2C	Z	3.309	4.98
36	MP2C	Mx	.002	4.98
37	MP1A	X	2.164	2.22
38	MP1A	Z	1.25	2.22
39	MP1A	Mx	001	2.22
10	MP1A	X	2.164	4.22
11	MP1A	Z	1.25	4.22
12	MP1A	Mx	001	4.22
13	MP1B	X	3.981	2.22
14	MP1B	Z	2.299	2.22
15	MP1B	Mx	0	2.22



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: Project No. 10207129 : 5000382428-VZW_MT_LO_H July 20, 2023 10:29 AM Checked By: DX

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

Membe	r Label	Direction	Magnitude[lb,k-ft]	Location[ft,%] 4.22
46 MP	1B	X	3.981	4.22
47 MP	1B	Z	2.299	
48 MP		Mx	0	4.22
49 MP	1C	X	2.164	2.22
50 MP		Z	1.25	2.22
51 MP		Mx	.001	2.22
52 MP		X	2.164	4.22
53 MP		Z	1.25	4.22
54 MP		Mx	.001	4.22
55 M8	32	X	.482	6.3
56 M8		Z	.278	6.3
57 M8	32	Mx	0	6.3
58 MP	2A	X	1.978	2.64
	2A	Z	1.142	2.64
60 MP		Mx	.000989	2.64
61 MP	2B	X	2.626	2.64
	2B	Z	1.516	2.64
	2B	Mx	0	2.64
64 MP		X	1.978	2.64
65 MP	2C	Z	1.142	2.64
		Mx	000989	2.64
	23A	X	1.737	2.64
	'3A	Z	1.003	2.64
	3A	Mx	.000868	2.64
	3B	X	2.626	2.64
70 MP	3B	Z	1.516	2.64
		Mx	0	2.64
	23B	X	1.737	2.64
	3C	Ž	1.003	2.64
74 MP	30	Mx	000869	2.64
	3C	X	3.122	1
	/P2	Ž	1.802	1
	/P2	Mx	0	
	/P2	X	.482	6.3
	200	Z	.278	6.3
	200	Mx	0	6.3
	200	X	.482	6.3
	91	Z	.278	6.3
	91		0	6.3
84 M	91	Mx	3.122	1
	/P1	X	1.802	1
00	/P1	Z	0	1
	/P1	Mx	1.626	5
	2B	X	.939	5
89 MF	2B	Z		5
90 MF	P2B	Mx	0	5
91 MF	P2B	X	1.626	5
92 MF	P2B	Z	.939	5
93 MF	P2B	Mx	0	J

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

0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	Member Label	X	4.073	1.48
_	MP2A	7	7.055	1.48
2	MP2A	Mx	.002	1.48
3	MP2A	IVIA	4.073	4.98
4	MP2A		7.055	4.98
5	MP2A		7.000	



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.002	4.98
7	MP2B	X	4.073	1.48
8	MP2B	Z	7.055	1.48
9	MP2B	Mx	008	1.48
10	MP2B	X	4.073	4.98
11	MP2B	Z	7.055	4.98
12	MP2B	Mx	008	4.98
13	MP2C	X	2.926	1.48
14	MP2C	Z	5.069	1.48
15	MP2C	Mx	.004	1.48
16	MP2C	X	2.926	4.98
17	MP2C	Z	5.069	4.98
18	MP2C	Mx	.004	4.98
19	MP2A	X	4.073	1.48
20	MP2A	Z	7.055	1.48
21	MP2A	Mx	008	1,48
22	MP2A	X	4.073	4.98
23	MP2A	Z	7.055	4.98
24	MP2A	Mx	008	4.98
25	MP2B	X	4.073	1.48
26	MP2B	Z	7.055	1.48
27	MP2B	Mx	.002	1.48
28	MP2B	X	4.073	4.98
29	MP2B	Z	7.055	4.98
30	MP2B	Mx	.002	4.98
31	MP2C	X	2.926	1.48
32	MP2C	Z	5.069	1.48
33	MP2C	Mx	.004	1.48
34	MP2C	X	2.926	4.98
35	MP2C	Z	5.069	4.98
36	MP2C	Mx	.004	4.98
37	MP1A	X	1.949	2.22
38	MP1A	Z	3.376	2.22
39	MP1A	Mx	000975	2.22
40	MP1A	X	1.949	4.22
41	MP1A	Z	3.376	4.22
42	MP1A	Mx	000975	4.22
43	MP1B	X	1.949	2.22
44	MP1B	Z	3.376	
45	MP1B	Mx	000975	2.22
46	MP1B	X	1.949	2.22
47	MP1B	Z	3.376	4.22
48	MP1B	Mx	000975	4.22
49	MP1C	X	- <u>.000975</u> .9	4.22
50	MP1C	Z	1.559	2.22
51	MP1C	Mx		2.22
52	MP1C	X	.0009	2.22
53	MP1C	Z	.9	4.22
54	MP1C	Mx	1.559	4.22
55	M82	X	.0009	4.22
56	M82	Z	.334	6.3
57	M82		.579	6.3
58	MP2A	Mx	0	6.3
59	MP2A	X	1.391	2.64
60	MP2A	Z	2.41	2.64
61	MP2B	Mx	.000696	2.64
62	MP2B	X	1.391	2.64
UZ	IVIEZD	Z	2.41	2.64



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: AE : Project No. 10207129 : 5000382428-VZW_MT_LO_H

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

Memb	er Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	P2B	Mx	.000696	2.64
	P2C	X	1.017	2.64
	P2C	Z	1.762	2.64
	P2C	Mx	001	2.64
	P3A	X	1.345	2.64
	P3A	Z	2.33	2.64
	P3A	Mx	.000672	2.64
	P3B	X	1.345	2.64
	P3B	Z	2.33	2.64
	P3B	Mx	.000673	2.64
	P3C	X	.831	2.64
	P3C	Z	1.44	2.64
	P3C	Mx	000831	2.64
	VP2	X	2.231	11
		Z	3.864	1
	VP2	Mx	0	1
	VP2	X	.334	6.3
	1200	Z	.579	6.3
00	1200	Mx	0	6.3
	1200	X	.334	6.3
	<i>N</i> 91	Z	.579	6.3
00	<i>N</i> 91	Mx	0	6.3
	<i>N</i> 91	X	2.231	1
	VP1	7	3.864	1
00	VP1		0	1
-	VP1	Mx	.775	5
	P2B	X	1.343	5
	P2B	Z	000646	5
	IP2B	Mx	.775	5
	IP2B	X		5
92 N	IP2B	Z	1.343	5
93 N	IP2B	Mx	.000646	

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

	Point Loads (BLC 3.	Direction	Magnitude[lb.k-ft]	Location[ft.%]
	Member Label	X	0	1.48
1	MP2A		8.911	1.48
2	MP2A	Z	.007	1.48
3	MP2A	Mx	100000000000000000000000000000000000000	4.98
4	MP2A	· X	0	4.98
5	MP2A	Z	8.911	
6	MP2A	Mx	.007	4.98
7	MP2B	X	0	1.48
8	MP2B	Z	6.617	1.48
9	MP2B	Mx	007	1.48
10	MP2B	X	0	4.98
11	MP2B	7	6.617	4.98
	MP2B	Mx	007	4.98
12		X	0	1.48
13	MP2C	Z	6.617	1.48
14	MP2C	Mx	.002	1.48
15	MP2C	X	0	4.98
16	MP2C	Ž	6.617	4.98
17	MP2C		.002	4.98
18	MP2C	Mx	.002	1.48
19	MP2A	X		1.48
20	MP2A	Z	8.911	1.48
21	MP2A	Mx	-,007	
22	MP2A	X	0	4.98



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

00	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	8.911	4.98
24	MP2A	Mx	007	4.98
25	MP2B	X	0	1.48
26	MP2B	Z	6.617	1.48
27	MP2B	Mx	002	1.48
28	MP2B	X	0	4.98
29	MP2B	Z	6.617	4.98
30	MP2B	Mx	002	4.98
31	MP2C	X	0	1.48
32	MP2C	Z	6.617	1.48
33	MP2C	Mx	.007	1.48
34	MP2C	X	0	4.98
35	MP2C	Z	6.617	4.98
36	MP2C	Mx	.007	4.98
37	MP1A	X	0	2.22
38	MP1A	Z	4.597	2.22
39	MP1A	Mx	0	2.22
10	MP1A	X	0	4.22
1	MP1A	Z	4.597	4.22
2	MP1A	Mx	0	4.22
13	MP1B	X	0	2.22
14	MP1B	Z	2.499	2.22
15	MP1B	Mx	001	2.22
16	MP1B	X	0	4.22
17	MP1B	Z	2.499	4.22
8	MP1B	Mx	001	4.22
9	MP1C	X	0	2.22
50	MP1C	Ž	2.499	2.22
51	MP1C	Mx	.001	2.22
52	MP1C	X	0	
53	MP1C	Z	2.499	4.22 4.22
54	MP1C	Mx	.001	
55	M82	X	0	4.22
6	M82	Z	.724	6.3
7	M82	Mx		6.3
8	MP2A	X	0	6.3
9	MP2A	Z		2.64
0	MP2A	Mx	3.032	2.64
31	MP2B	X	0	2.64
2	MP2B	Z	0	2.64
3	MP2B	Mx	2.284	2.64
4	MP2C	X	.000989	2.64
5	MP2C	Z	0	2.64
6	MP2C	Mx	2.284	2.64
7	MP3A		000989	2.64
8	MP3A	X Z	0	2.64
9	MP3A		3.032	2.64
0	MP3B	Mx	0	2.64
1	MP3B MP3B	X	0	2.64
2		Z	2.005	2.64
	MP3B	Mx	.000868	2.64
3	MP3C	X	0	2.64
	MP3C	Z	2.005	2.64
5	MP3C	Mx	000868	2.64
6	OVP2	X	0	
7	OVP2	Z	4.891	1
8	OVP2	Mx	0	1
9	M200	X	0	6.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
00		7	.724	6.3
80	M200	Mx	0	6.3
81	M200	IVIX	Ŏ	6.3
82	M91	<u> </u>	.724	6.3
83	M91		.724	6.3
84	M91	Mx	0	0.5
85	OVP1	X		
86	OVP1	Z	4.891	
87	OVP1	Mx	0	<u></u>
88	MP2B	X	0	5
89	MP2B	Z	.897	5
90	MP2B	Mx	000647	5
	MP2B	X	0	5
91		7	.897	5
93	MP2B MP2B	Mx	.000647	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP2A	X	-4.073	1.48
2	MP2A	Z	7.055	1.48
3	MP2A	Mx	.008	1.48
4	MP2A	X	-4.073	4.98
5	MP2A	Z	7.055	4.98
6	MP2A	Mx	.008	4.98
7	MP2B	X	-2.926	1.48
8	MP2B	Z	5.069	1.48
9	MP2B	Mx	004	1.48
10	MP2B	X	-2.926	4.98
	MP2B	Z	5.069	4.98
11	MP2B	Mx	004	4.98
12	MP2C	X	-4.073	1.48
13	MP2C MP2C	Z	7.055	1.48
14		Mx	002	1.48
15	MP2C	X	-4.073	4.98
16	MP2C	Z	7.055	4.98
17	MP2C	Mx	002	4.98
18	MP2C	X	-4.073	1.48
19	MP2A	Ž	7.055	1.48
20	MP2A		002	1.48
21	MP2A	Mx	-4.073	4.98
22	MP2A	X	7.055	4.98
23	MP2A	Z	002	4.98
24	MP2A	Mx	-2.926	1.48
25	MP2B	X	5.069	1.48
26	MP2B	Z		1.48
27	MP2B	Mx	004	4.98
28	MP2B	X	-2.926	4.98
29	MP2B	Z	5.069	4.98
30	MP2B	Mx	004	1.48
31	MP2C	X	-4.073	1.48
32	MP2C	Z	7.055	1.48
33	MP2C	Mx	.008	
34	MP2C	X	-4.073	4.98
35	MP2C	Z	7.055	4.98
36	MP2C	Mx	.008	4.98
37	MP1A	X	-1.949	2.22
38	MP1A	Z	3.376	2.22
39	MP1A	Mx	.000975	2.22

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

10	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP1A	X	-1.949	4.22
41	MP1A	Z	3.376	4.22
42	MP1A	Mx	.000975	4.22
43	MP1B	X	9	2.22
44	MP1B	Z	1.559	2.22
45	MP1B	Mx	0009	2.22
46	MP1B	X	9	4.22
47	MP1B	Z	1.559	4.22
48	MP1B	Mx	0009	4.22
49	MP1C	X	-1.949	2.22
50	MP1C	Z	3.376	2.22
51	MP1C	Mx	.000975	2.22
52	MP1C	X	-1.949	4.22
53	MP1C	Z	3.376	4.22
54	MP1C	Mx	.000975	4.22
55	M82	X	334	6.3
56	M82	Z	.579	6.3
57	M82	Mx	0	6.3
58	MP2A	X	-1.391	2.64
59	MP2A	Z	2.41	2.64
60	MP2A	Mx	000696	2.64
61	MP2B	X	-1.017	2.64
62	MP2B	Z	1.762	2.64
63	MP2B	Mx	.001	2.64
64	MP2C	X	-1.391	2.64
65	MP2C	Z	2.41	2.64
66	MP2C	Mx	000696	2.64
67	MP3A	X	-1.345	2.64
68	MP3A	Z	2.33	2.64
69	MP3A	Mx	000672	2.64
70	MP3B	X	831	2.64
71	MP3B	Z	1.44	2.64
72	MP3B	Mx	.000831	2.64
73	MP3C	X	-1.345	2.64
74	MP3C	Z	2.33	2.64
75	MP3C	Mx	000673	2.64
76	OVP2	X	-2.231	1
77	OVP2	Z	3.864	1
78	OVP2	Mx	0	
79	M200	X	334	6.3
80	M200	Z	.579	6.3
81	M200	Mx	0	6.3
82	M91	X	334	6.3
83	M91	Z	.579	6.3
84	M91	Mx	0	6.3
35	OVP1	X	-2.231	1
36	OVP1	Z	3.864	
87	OVP1	Mx	0	1
38	MP2B	X	285	5
39	MP2B	Z	.493	5
90	MP2B	Mx	000475	5
91	MP2B	X	285	5
92	MP2B	Ž	.493	5
93	MP2B	Mx	.000475	5

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

Mombos Lobol	Direction	Magaituda(lh k ft)	Location Iff 9/1
RISA-3D Version 17.0.4	[R:\\\\\\Rev 0\RISA\50	000382428-VZW_MT_LO_H_r3d1	Page 70



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

500	mber Label	Direction	0 Deg)) (Continued) Magnitude[lb.k-ft]	Location[ft.%]
IVIC	MP2A	X	-5.731	1.48
2	MP2A	Z	3.309	1.48
3	MP2A	Mx	.007	1.48
4	MP2A	X	-5.731	4.98
5	MP2A	Z	3.309	4.98
5	MP2A	Mx	.007	4.98
7	MP2B	X	-5.731	1.48
8	MP2B	Z	3.309	1.48
9	MP2B	Mx	002	1.48
0	MP2B	X	-5.731	4.98
1	MP2B	Z	3,309	4.98
2	MP2B	Mx	002	4.98
3	MP2C	X	-7.717	1.48
4	MP2C	Z	4.456	1.48
5	MP2C	Mx	007	1.48
6	MP2C	X	-7.717	4.98
7	MP2C	Z	4.456	4.98
8	MP2C	Mx	007	4.98
19	MP2A	X	-5.731	1.48
20	MP2A	Z	3.309	1.48
21	MP2A	Mx	.002	1.48
22	MP2A	X	-5.731	4.98
23	MP2A	Z	3.309	4.98
24	MP2A	Mx	.002	4,98
25	MP2B	X	-5.731	1.48
26	MP2B	Z	3.309	1.48
27	MP2B	Mx	007	1,48
28	MP2B	X	-5.731	4.98
29	MP2B	Z	3.309	4.98
30	MP2B	Mx	007	4.98
31	MP2C	X	-7.717	1.48
32	MP2C	Z	4.456	1.48
33	MP2C	Mx	.007	1.48
34	MP2C	X	-7.717	4.98
35	MP2C	Z	4.456	4.98
36	MP2C	Mx	.007	4.98
37	MP1A	X	-2.164	2.22
38	MP1A	Z	1.25	2.22
39	MP1A	Mx	.001	2.22
40	MP1A	X	-2.164	4.22
41	MP1A	Z	1.25	4.22
42	MP1A	Mx	.001	4.22
43	MP1B	X	-2.164	2.22
44	MP1B	Z	1.25	2.22
45	MP1B	Mx	001	2.22
46	MP1B	X	-2.164	4.22
47	MP1B	Z	1.25	4.22
48	MP1B	Mx	001	4,22
49	MP1C	X	-3.981	2.22
50	MP1C	Z	2.299	2.22
51	MP1C	Mx	0	2.22
52	MP1C	X	-3.981	4.22
53	MP1C	Z	2.299	4,22
54	MP1C	Mx	0	4.22
55	M82	X	482	6.3
56	M82	Z	.278	6.3
57	M82	Mx	0	6.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-1.978	2.64
59	MP2A	Z	1.142	2.64
60	MP2A	Mx	000989	2.64
61	MP2B	X	-1.978	2.64
62	MP2B	Z	1.142	2.64
63	MP2B	Mx	.000989	2.64
64	MP2C	X	-2.626	2.64
65	MP2C	Z	1.516	2.64
66	MP2C	Mx	0	2.64
67	MP3A	X	-1.737	2.64
68	MP3A	Z	1.003	2.64
69	MP3A	Mx	000868	2.64
70	MP3B	X	-1.737	2.64
71	MP3B	Ž	1.003	2.64
72	MP3B	Mx	.000869	2.64
73	MP3C	X	-2.626	2.64
74	MP3C	Z	1.516	2.64
75	MP3C	Mx	0	2.64
76	OVP2	X	-3.122	2.04
77	OVP2	Z	1.802	1
78	OVP2	Mx	0	1
79	M200	X	-,482	6.3
80	M200	Ž	.278	6.3
81	M200	Mx	0	6.3
82	M91	X	482	6.3
83	M91	Z	.278	6.3
84	M91	Mx	0	6.3
85	OVP1	X	-3.122	0.3
86	OVP1	Z	1.802	1
87	OVP1	Mx	0	1
38	MP2B	X	777	
39	MP2B	Z	.448	5
90	MP2B	Mx	000647	5
91	MP2B	X	000647 777	5
92	MP2B	Z	<i>111</i>	5
93	MP2B	Mx	.000647	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.853	1.48
2	MP2A	Z	0.000	1.48
3	MP2A	Mx	.004	1.48
4	MP2A	X	-5.853	4.98
5	MP2A	Z	0	4.98
6	MP2A	Mx	.004	4.98
7	MP2B	X	-8.146	1.48
8	MP2B	Z	0	1.48
9	MP2B	Mx	.002	1.48
10	MP2B	X	-8.146	4.98
11	MP2B	Z	0	4.98
12	MP2B	Mx	.002	4.98
13	MP2C	X	-8.146	1,48
14	MP2C	Z	0	1.48
15	MP2C	Mix	008	1.48
16	MP2C	X	-8.146	4.98
17	MP2C	Z	0	4.98



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	008	4.98
19	MP2A	X	-5.853	1.48
20	MP2A	Z	0	1.48
	MP2A	Mx	.004	1.48
21	MP2A	X	-5.853	4.98
22	MP2A	Z	0	4.98
23		Mx	.004	4.98
24	MP2A	X	-8.146	1.48
25	MP2B	Z	0	1.48
26	MP2B	Mx	008	1.48
27	MP2B	X	-8.146	4.98
28	MP2B	Z	0	4.98
29	MP2B	Mx	008	4.98
30	MP2B		-8.146	1.48
31	MP2C	X	0	1.48
32	MP2C	Z	.002	1.48
33	MP2C	Mx	-8.146	4.98
34	MP2C	X	-8.140	4.98
35	MP2C	Z	.002	4.98
36	MP2C	Mx	-1.8	2.22
37	MP1A	X		2.22
38	MP1A	Z	0	2.22
39	MP1A	Mx	.0009	4.22
40	MP1A	X	-1.8	4.22
41	MP1A	Z	0	4.22
42	MP1A	Mx	.0009	
43	MP1B	X	-3,898	2.22
44	MP1B	Z	0	2.22
45	MP1B	Mx	000975	2.22
46	MP1B	X	-3.898	4.22
47	MP1B	Z	0	4.22
48	MP1B	Mx	000975	4.22
49	MP1C	X	-3.898	2.22
50	MP1C	Z	0	2.22
51	MP1C	Mx	000975	2.22
52	MP1C	X	-3.898	4.22
53	MP1C	Z	0	4.22
54	MP1C	Mx	000975	4.22
55	M82	X	501	6.3
56	M82	Z	0	6.3
57	M82	Mx	0	6.3
	MP2A	X	-2.035	2.64
58	MP2A	Ž	0	2.64
59		Mx	001	2.64
60	MP2A MD2B	X	-2.783	2.64
61	MP2B	Z	0	2.64
62	MP2B	Mx	.000696	2.64
63	MP2B	X	-2.783	2.64
64	MP2C	Z	0	2.64
65	MP2C		.000696	2.64
66	MP2C	Mx	-1.663	2.64
67	MP3A	X	0	2.64
68	MP3A		000832	2.64
69	MP3A	Mx	-2.69	2.64
70	MP3B	X	(ALC)	2.64
71	MP3B	Z	000672	2.64
72	MP3B	Mx	.000672	2.64
73	MP3C	X	-2.69	2.64
74	MP3C	Z	0	2.07

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3C	Mx	.000672	2.64
76	OVP2	X	-3.176	2.01
77	OVP2	Z	0	1
78	OVP2	Mx	0	1
79	M200	X	501	6.3
80	M200	Z	0	6.3
81	M200	Mx	0	6.3
82	M91	X	501	6.3
83	M91	Z	0	6.3
84	M91	Mx	0	6.3
85	OVP1	X	-3.176	1
86	OVP1	7	0	1
87	OVP1	Mx	0	1
88	MP2B	X	-1.551	5
89	MP2B	Z	0	5
90	MP2B	Mx	000646	5
91	MP2B	X	-1,551	5
92	MP2B	Z	0	5
93	MP2B	Mx	.000646	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.731	1.48
2	MP2A	Z	-3.309	1.48
3	MP2A	Mx	.002	1.48
4	MP2A	X	-5.731	4.98
5	MP2A	Z	-3.309	4.98
6	MP2A	Mx	.002	4.98
7	MP2B	X	-7.717	1.48
8	MP2B	Z	-4.456	1.48
9	MP2B	Mx	.007	1.48
10	MP2B	X	-7.717	4.98
11	MP2B	Z	-4.456	4.98
12	MP2B	Mx	.007	4.98
13	MP2C	X	-5.731	1.48
14	MP2C	Z	-3.309	1.48
15	MP2C	Mx	007	1.48
16	MP2C	X	-5.731	4.98
17	MP2C	Z	-3.309	4.98
18	MP2C	Mx	007	4.98
19	MP2A	X	-5.731	1.48
20	MP2A	Z	-3.309	1.48
21	MP2A	Mx	.007	1.48
22	MP2A	X	-5.731	4.98
23	MP2A	Z	-3.309	
24	MP2A	Mx	.007	4.98
25	MP2B	X	-7.717	4.98
26	MP2B	Z		1.48
27	MP2B	Mx	-4.456	1.48
28	MP2B	X	007	1.48
29	MP2B	Z	-7.717	4.98
30	MP2B		-4.456	4.98
31	MP2C	Mx	007	4.98
32	MP2C MP2C	X	-5.731	1.48
33		Z	-3.309	1.48
34	MP2C	Mx	002	1.48
34	MP2C	X	-5.731	4.98



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

	Point Loads (BLC 37 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	-3.309	4.98
36	MP2C	Mx	002	4,98
37	MP1A	X	-2.164	2.22
38	MP1A	Z	-1.25	2.22
39	MP1A	Mx	.001	2.22
40	MP1A	X	-2.164	4.22
41	MP1A	Z	-1.25	4.22
42	MP1A	Mx	.001	4.22
43	MP1B	X	-3.981	2,22
44	MP1B	Z	-2.299	2.22
45	MP1B	Mx	0	2,22
46	MP1B	X	-3.981	4.22
47	MP1B	Z	-2.299	4.22
48	MP1B	Mx	0	4.22
49	MP1C	X	-2.164	2.22
50	MP1C	Z	-1.25	2.22
51	MP1C	Mx	001	2.22
52	MP1C	X	-2.164	4.22
53	MP1C	Z	-1.25	4.22
54	MP1C	Mx	001	4.22
55	M82	X	482	6.3
56	M82	Z	278	6.3
57	M82	Mx	0	6.3
58	MP2A	X	-1.978	2.64
59	MP2A	Z	-1.142	2.64
60	MP2A	Mx	000989	2.64
61	MP2B	X	-2.626	2.64
62	MP2B	Z	-1.516	2.64
63	MP2B	Mx	0	2.64
64	MP2C	X	-1.978	2.64
65	MP2C	Z	-1.142	2.64
66	MP2C	Mx	.000989	2.64
67	MP3A	X	-1.737	2,64
68	MP3A	Z	-1.003	2.64
69	MP3A	Mx	000868	2.64
70	MP3B	X	-2.626	2.64
71	MP3B	Z	-1.516	2.64
72	MP3B	Mx	0	2.64
73	MP3C	X	-1.737	2.64
74	MP3C	Z	-1.003	2.64
75	MP3C	Mx	.000869	2.64
76	OVP2	X	-3.122	1
77	OVP2	Z	-1.802	11
78	OVP2	Mx	0	1 1
79	M200	X	482	6.3
80	M200	Z	278	6.3
81	M200	Mx	0	6.3
82	M91	X	482	6.3
83	M91	Ž	278	6.3
	M91	Mx	0	6.3
84	OVP1	X	-3.122	1
85	OVP1	Z	-1.802	
86	OVP1	Mx	0	1
87	MP2B	X	-1.626	5
88		Z	939	5
89	MP2B MP2B	Mx	0	5
90	MP2B	X	-1.626	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
92	MP2B	Z	939	5
93	MP2B	Mx	0	5

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

4 1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.073	1.48
2	MP2A	Z	-7.055	1.48
3	MP2A	Mx	002	1.48
4	MP2A	X	-4.073	4.98
5	MP2A	Z	-7.055	4.98
6	MP2A	Mix	002	4.98
7	MP2B	X	-4.073	1.48
8	MP2B	Z	-7.055	1.48
9	MP2B	Mx	.008	1.48
10	MP2B	X	-4.073	4.98
11	MP2B	Z	-7.055	4.98
12	MP2B	Mx	.008	4.98
13	MP2C	X	-2.926	1.48
14	MP2C	Z	-5.069	1.48
15	MP2C	Mx	004	1.48
16	MP2C	X	-2.926	4.98
7	MP2C	Z	-5.069	4.98
8	MP2C	Mx	004	4.98
9	MP2A	X	-4.073	1.48
20	MP2A	Z	-7.055	1.48
21	MP2A	Mx	.008	1.48
22	MP2A	X	-4.073	4.98
23	MP2A	Z	-7.055	4.98
4	MP2A	Mx	.008	4.98
25	MP2B	X	-4.073	1.48
26	MP2B	Z	-7.055	1.48
27	MP2B	Mx	002	1.48
28	MP2B	X	-4.073	4.98
9	MP2B	7	-7.055	4.98
30	MP2B	Mx	002	4.98
31	MP2C	X	-2.926	1.48
12	MP2C	Z	-5.069	1.48
33	MP2C	Mx	004	1.48
14	MP2C	X	-2.926	4.98
5	MP2C	Z	-5.069	4.98
36	MP2C	Mx	004	4.98
37	MP1A	X	-1.949	2.22
8	MP1A	Z	-3.376	2.22
9	MP1A	Mx	.000975	
0	MP1A	X	-1.949	2.22
1	MP1A	Z	-3.376	4.22
2	MP1A	Mx		4.22
3	MP1B	Y	.000975	4.22
4	MP1B	X	-1.949	2.22
5	MP1B	Mx	-3.376	2.22
6	MP1B		.000975	2.22
7	MP1B	X Z	-1.949	4.22
8	MP1B		-3.376	4.22
9	MP1C	Mx	.000975	4.22
0	MP1C MP1C	X	9	2.22
1	MP1C MP1C	Z	-1.559	2.22
	IVIFIC	Mx	0009	2.22



Company : Colliers Engineering & Design
Designer : AE
Job Number : Project No. 10207129
Model Name : 5000382428-VZW_MT_LO_H

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

Member L	abel Direction	Magnitude[lb,k-ft]	Location[ft,%]
52 MP10	X	9	4.22
53 MP10		-1.559	4,22
54 MP10	Mx	0009	4.22
55 M82	X	334	6.3
56 M82		579	6.3
57 M82	Mx	0	6.3
58 MP2/		-1.391	2.64
59 MP2/		-2.41	2.64
60 MP2/	A Mx	000696	2.64
61 MP2I	3 X	-1.391	2.64
62 MP2I		-2.41	2.64
63 MP2	3 Mx	000696	2.64
64 MP20	3 X	-1.017	2.64
65 MP20		-1.762	2.64
66 MP20	C Mx	.001	2.64
67 MP3/	A X	-1.345	2.64
68 MP3/		-2.33	2.64
69 MP3/	A Mx	000672	2.64
70 MP3I	B X	-1.345	2.64
71 MP3		-2.33	2.64
72 MP3	B Mx	000673	2.64
73 MP30	C X	831	2.04
74 MP30		-1.44	2.64
75 MP30) Mx	.000831	2.64
76 OVP	2 X	-2.231	11
77 OVP		-3.864	1 1
78 OVP	2 Mx	0	
79 M20	n X	334	6.3
80 M20		579	6.3
81 M20) Mx	0	6.3
82 M91	X	334	6.3
83 M91	Z	579	6.3
84 M91	Mx	0	6.3
85 OVP	1 X	-2.231	1
86 OVP	1 Z	-3.864	1
87 OVP	1 Mx	0	1
88 MP2	B X	775	5
89 MP2	B Z	-1.343	5
90 MP2	B Mx	.000646	5
91 MP2	B X	775	5
92 MP2	B	-1.343	5
93 MP2		000646	5

Member Point Loads (BLC 77 : Lm1)

Welliber	FUIIL LOUGS (BLO)		Magnitude[lb.k-ft]	Location[ft,%]
	Member Label	Direction	-500	%91
1 1 1	M200	Y	-000	

Member Point Loads (BLC 78: Lm2)

wembe	Politi Luaus (BLU)	U . LIIIL)		
	Manhael abol	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	Member Label	V	-500	%63
1 1 1	M200			

Member Point Loads (BLC 79 : Lv1)

wernber	Point Loads (BLO 7)	Direction	Magnitude[lb.k-ft]	Location[ft.%]
4	Member Label	Direction	-250	%50
1 1	M200			



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Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude(lb.k-ft)	Location[ft %]
1	M200	Y	-250	Cocation (it., 78)

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-1.371	1.48
2	MP2A	My	001	1.48
3	MP2A	Mz	.001	1.48
4	MP2A	Y	-1.371	4.98
5	MP2A	My	001	4.98
6	MP2A	Mz	.001	4.98
7	MP2B	Y	-1.371	1.48
8	MP2B	My	000376	1.48
9	MP2B	Mz	001	1.48
10	MP2B	Y	-1.371	4.98
11	MP2B	My	000376	4.98
12	MP2B	Mz	001	4.98
13	MP2C	Y	-1.371	1.48
14	MP2C	My	.001	1.48
15	MP2C	Mz	.000376	1.48
16	MP2C	Y	-1.371	4.98
17	MP2C	My	.001	4.98
18	MP2C	Mz	.000376	4.98
19	MP2A	Y	-1.371	1.48
20	MP2A	My	001	1.48
21	MP2A	Mz	001	
22	MP2A	Y	-1.371	1.48
23	MP2A	My	001	4.98
24	MP2A	Mz		4.98
25	MP2B	Y	001	4.98
26	MP2B	My	-1.371	1.48
27	MP2B		.001	1.48
28	MP2B	Mz Y	000376	1.48
29	MP2B		-1.371	4.98
30	MP2B	My	.001	4.98
31		Mz	000376	4.98
32	MP2C	Y	-1.371	1.48
	MP2C	My	000376	1.48
33	MP2C	Mz	.001	1.48
34	MP2C	Y	-1.371	4.98
35	MP2C	My	000376	4.98
36	MP2C	Mz	.001	4.98
37	MP1A	Y	-1.886	2.22
38	MP1A	My	000943	2.22
39	MP1A	Mz	0	2.22
40	MP1A	Υ	-1.886	4.22
41	MP1A	My	000943	4.22
42	MP1A	Mz	0	4.22
43	MP1B	Y	-1.886	2.22
44	MP1B	My	.000472	2.22
45	MP1B	Mz	000817	2.22
46	MP1B	Y	-1.886	4.22
47	MP1B	My	.000472	4.22
48	MP1B	Mz	000817	4.22
49	MP1C	Y	-1.886	2.22
50	MP1C	My	.000472	2.22
51	MP1C	Mz	.000472	
52	MP1C	Y	-1.886	2.22 4.22



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

Member Labe	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53 MP1C	My	.000472	4.22
54 MP1C	Mz	.000817	4.22
55 M82	Y	45	6.3
56 M82	My	0	6.3
57 M82	Mz	0	6.3
58 MP2A	Y	-3.655	2.64
59 MP2A	My	.002	2.64
60 MP2A	Mz	0	2.64
61 MP2B	Y	-3.655	2.64
62 MP2B	My	000914	2.64
63 MP2B	Mz	.002	2.64
	Y	-3.655	2.64
64 MP2C 65 MP2C	My	000914	2.64
	Mz	002	2.64
66 MP2C 67 MP3A	Y	-3.044	2.64
	My	.002	2.64
	Mz	0	2.64
	Y	-3.044	2.64
	My	000761	2.64
71 MP3B	Mz	.001	2.64
72 MP3B	Y	-3.044	2.64
73 MP3C	My	000761	2.64
74 MP3C	Mz	001	2.64
75 MP3C	Y	-1.165	1
76 OVP2	My	0	1
77 OVP2	Mz	Ō	1
78 OVP2	Y	45	6.3
79 M200	My	0	6.3
80 M200		0	6.3
81 M200	Mz Y	45	6.3
82 M91		-,43	6.3
83 M91	My	0	6.3
84 M91	Mz	-1.165	1
85 OVP1	Y	-1.165	
86 OVP1	My	0	i
87 OVP1	Mz	762	5
88 MP2B	Y	.000318	5
89 MP2B	My		5
90 MP2B	Mz	00055	5
91 MP2B	Y	762	5
92 MP2B	My	000318	5
93 MP2B	Mz	.00055	

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

	Marchael abol	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	Member Label	7	-3.427	1.48
1	MP2A	Mx	003	1.48
2	MP2A	1017	-3.427	4.98
3	MP2A	<u> </u>	003	4.98
4	MP2A	Mx		1.48
5	MP2B	Z	-3.427	1.48
6	MP2B	Mx	.004	
7	MP2B	Z	-3.427	4.98
8	MP2B	Mx	.004	4.98
9	MP2C	Z	-3.427	1.48
	MP2C	Mx	000941	1.48
10		7	-3.427	4.98
11	MP2C MP2C	Mx	000941	4.98

Company Designer Job Number

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

12	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2A	Z	-3.427	1.48
15	MP2A	Mx	.003	1.48
	MP2A	Z	-3.427	4.98
16	MP2A	Mx	.003	4.98
17	MP2B	Z	-3.427	1.48
18	MP2B	Mx	.000941	1.48
19	MP2B	Z	-3.427	4.98
20	MP2B	Mx	.000941	4.98
21	MP2C	Z	-3.427	1.48
22	MP2C	Mx	004	1.48
23	MP2C	Z	- 3.427	4.98
24	MP2C	Mx	004	4.98
25	MP1A	Z	-4.715	2.22
26	MP1A	Mx	0	2.22
27	MP1A	Z	-4.715	4.22
28	MP1A	Mx	0	4.22
29	MP1B	Z	-4.715	2.22
30	MP1B	Mx	.002	2.22
31	MP1B	Z	-4.715	4.22
32	MP1B	Mx	.002	4.22
33	MP1C	Z	-4.715	2.22
34	MP1C	Mx	002	2.22
35	MP1C	Z	-4.715	4.22
36	MP1C	Mx	002	4.22
37	M82	Z	-1.126	6.3
38	M82	Mx	0	6.3
39	MP2A	Z	-9.138	2.64
40	MP2A	Mx	0	2.64
11	MP2B	Z	-9.138	2.64
12	MP2B	Mx	004	2.64
43	MP2C	Z	-9.138	2.64
14	MP2C	Mx	.004	2.64
15	MP3A	Z	-7.611	2.64
16	MP3A	Mx	0	2.64
17	MP3B	Z	-7.611	2.64
18	MP3B	Mx	003	2.64
19	MP3C	Z	-7.611	2.64
50	MP3C	Mx	.003	2.64
51	OVP2	Z	-2.912	1.04
52	OVP2	Mx	0	
53	M200	Z	-1.126	6.3
54	M200	Mx	0	6.3
55	M91	Z	-1.126	6.3
6	M91	Mx	0	6.3
57	OVP1	Z	-2.912	1
8	OVP1	Mx	0	
59	MP2B	Z	-1.905	5
60	MP2B	Mx	.001	5
51	MP2B	Z	-1.905	5
52	MP2B	Mx	- 001	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft %]
1	MP2A	X	3.427	1 48
2	MP2A	Mx	003	1.48
3	MP2A	X	3.427	4.98



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	Mx	003	1,48
5	MP2B	X	3.427	1.48
6	MP2B	Mx	000941 3.427	4.98
7	MP2B	X		4.98
8	MP2B	Mx	000941	1.48
9	MP2C	X	3.427 .004	1.48
10	MP2C	Mx	3.427	4.98
11	MP2C	X		4.98
12	MP2C	Mx	.004	1.48
13	MP2A	X	3.427	1.48
14	MP2A	Mx	003	4.98
15	MP2A	X	3.427	4.98
16	MP2A	Mx	003	1.48
17	MP2B	X	3.427	1.48
18	MP2B	Mx	.004	4.98
19	MP2B	X	3.427	4.98
20	MP2B	Mx	.004	1.48
21	MP2C	X	3,427	1.48
22	MP2C	Mx	000941	4.98
23	MP2C	X	3.427	4.98
24	MP2C	Mx	000941	2.22
25	MP1A	X	4.715	2.22
26	MP1A	Mx	002	4.22
27	MP1A	X	4.715	4.22
28	MP1A	Mx	002	2.22
29	MP1B	X	4.715	2.22
30	MP1B	Mx	.001	4.22
31	MP1B	X	4.715	4.22
32	MP1B	Mx	.001	2.22
33	MP1C	X	4.715	2.22
34	MP1C	Mx	.001	4.22
35	MP1C	X	4.715	4.22
36	MP1C	Mx	.001	6.3
37	M82	X	1.126	6.3
38	M82	Mx	0	2.64
39	MP2A	X	9.138	2.64
40	MP2A	Mx	.005	2.64
41	MP2B	X	9.138	2.64
42	MP2B	Mx	002	2.64
43	MP2C	X	9.138	2.64
44	MP2C	Mx	002	
45	MP3A	X	7.611	2.64 2.64
46	MP3A	Mx	,004	2.64
47	MP3B	X	7.611	
48	MP3B	Mx	002	2.64 2.64
49	MP3C	X	7.611	
50	MP3C	Mx	002	2.64
51	OVP2	X	2.912	1
52	OVP2	Mx	0	
53	M200	X	1.126	6.3
54	M200	Mx	0	6.3
55	M91	X	1.126	6.3
56	M91	Mx	0	6.3
57	OVP1	X	2.912	1 1
58	OVP1	Mx	0	11
59	MP2B	X	1.905	5
60	MP2B	Mx	.000794	5



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

r	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
61	MP2B	X	1.905	5
62	MP2B	Mx	000794	5

Member Distributed Loads (BLC 40 : Structure Di)

1	Member Label M48	Direction	Start Magnitude[lb/ft -9.548	.End Magnitude[lb/ft,F		End Location[ft,%]
2	M53	Y	-9.548	-9.548	0	%100
3	M54	Y	-11.251	-11.251	0	%100
4	M62	Ý	-4.31	-11.251	0	%100
5	M63	Y	-4.31	-4.31 -4.31	0	%100
6	M66	Ý	-5.546	-5.546	0	%100
7	M67	Ý	-5.546		0	%100
8	M200	Y	-6.348	-5.546	0	%100
9	MP4A	Y	-4.804	-6.348	0	%100
10	MP3A	Y	-4.804	-4.804	0	%100
11	MP2A	Ý	-5.49	-4.804	0	%100
12	MP1A	Y	-4.804	-5.49	0	%100
13	M37	Ý	-9.548	-4.804	0	%100
14	M38	Ý	-9.548	-9.548	0	%100
15	M36A	Y	-9.548	-9.548	0	%100
16	M39A	Ý	-11.251	-9.548	0	%100
17	M40A	Y	-11.251	-11.251	0	%100
18	M48A	Ý	-4.31	-11.251	0	%100
19	M49A	Y	-4.31	-4.31	0	%100
20	M50	Y	-5.546	-4.31	0	%100
21	M51A	Y	-5.546	-5.546	0	%100
22	M53A	Y	-9.548	-5.546	0	%100
23	M54A	Y	-9.548	-9.548	0	<u>%100</u>
24	OVP2	Y	-4.804	-9.548	0	%100
25	M60A	Y	-9.548	-4.804	0	%100
26	M63A	Y	-11.251	-9.548	0	%100
27	M64	Ý	-11.251	-11.251	0	%100
28	M72	Y	-4.31	-11.251	0	%100
29	M73	Y	-4.31	-4.31	0	%100
30	M74	Y	-5.546	-4.31	0	%100
31	M75	Y	-5.546	-5.546	0	%100
32	M77	Y	-9.548	-5.546	0	%100
33	M78	Y	-9.548	-9.548	0	%100
34	M82	Y	-6.348	-9.548	0	%100
35	MP4C	Y	-4.804	-6.348	0	%100
36	MP3C	Y	-4.804	-4.804	0	%100
37	MP2C	Y	-5.49	-4.804	0	%100
38	MP1C	Y	-4.804	-5.49	0	%100
39	M91	Y	-4.804 -6.348	-4.804	0	%100
40	MP4B	Y	-6.348 -4.804	-6.348	0	%100
41	MP3B	Y	-4.804 -4.804	<u>-4.804</u>	0	%100
42	MP2B	Y	-5.49	-4.804	0	%100
43	MP1B	Y	-4.804	-5.49	0	%100
44	OVP1	Y	-4.804 -4.804	-4.804	0	%100
45	M97	Y	-5.49	-4.804	0	%100
46	M102	Y	-5.49	-5.49	0	%100
47	M107	Y	-5.49 -5.49	-5.49	0	%100
48	M118	Y	-5.49 -7.368	-5.49	0	%100
49	M119	Y	-7.368 -7.368	-7.368	0	%100
50	M120	Y		-7.368	0	%100
- J	WITZU		-7.368	-7.368	0	%100



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

momo	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
EA	M121	Y	-10.81	-10.81	0	%100
51		v	-10.81	-10.81	0	%100
52	M123A M125	V	-10.81	-10.81	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[tt,%]	End Location[ft,9 %100
1	M48	X	0	0	0	%100 %100
2	M48	Z	0	0	0	%100 %100
3	M53	X	0	0	0	%100 %100
4	M53	Z	-17.1	-17.1	0	%100 %100
5	M54	X	0	0		%100 %100
6	M54	Z	-17.1	-17.1	0	%100 %100
7	M62	X	0	0	0	%100 %100
8	M62	Z	-1.034	-1.034	0	%100 %100
9	M63	X	0	0		%100 %100
10	M63	Z	-1.16	-1.16	0	%100 %100
11	M66	X	0	0	0	%100 %100
12	M66	Z	-1.676	-1.676	0	
13	M67	X	0	0	0	%100
14	M67	Z	-1.676	-1.676	0	%100
15	M200	X	0	0	0	%100
16	M200	Z	-10.955	-10.955	0	%100
17	MP4A	X	0	0	0	%100 %100
18	MP4A	Z	-7.434	-7.434	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-7.434	-7.434	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-8.999	-8.999	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	-7.434	-7.434	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	-15.651	-15.651	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	-15.651	-15.651	0	%100
29	M36A	X	0	0	0	%100
30	M36A	Z	-10.116	-10.116	0	%100
31	M39A	X	0	0	0	%100
	M39A	Z	-4.275	-4.275	0	%100
32	M40A	X	0	0	0	%100
33	M40A	Z	-4.275	-4.275	0	%100
34	M48A	X	0	0	0	%100
35	M48A	Ž	259	259	0	%100
36	M49A	X	0	0	0	%100
37	M49A	Z	29	29	0	%100
38	M50	X	0	0	0	%100
39	M50	Z	-6.704	-6.704	0	%100
40	M51A	X	0	0	0	%100
41	M51A	Ž	-1.676	-1.676	0	%100
	M53A	X	0	0	0	%100
43		Ž	-3.913	-3.913	0	%100
44	M53A	X	0.0.0	0	0	%100
45	M54A	Ž	-3.913	-3.913	0	%100
46	M54A	X	0	0	0	%100
47	OVP2	Ž	-7.434	-7.434	0	%100
48	OVP2	X	0	0	0	%100
49	M60A M60A	Ž	-10.116	-10.116	0	%100



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

51	Member Label M63A	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
52	M63A	X	0	0	0	%100
53		Z	-4.275	-4.275	0	%100
	M64	X	0	0	0	%100
54	M64	Z	-4.275	-4.275	0	%100
55	M72	X	0	0	0	%100
56	M72	Z	259	259	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	29	29	0	%100
59	M74	X	0	0	0	%100 %100
60	M74	Z	-1.676	-1.676	0	%100 %100
61	M75	X	0	0	0	%100 %100
62	M75	Z	-6.704	-6.704	0	%100 %100
63	M77	X	0	0.70+	0	%100 %100
64	M77	7	-3.912	-3.912	0	
65	M78	X	0	-5.512		%100
66	M78	Z	-3.913	-3.913	0	%100
67	M82	X	-5.913	-3.913	0	%100
68	M82	Z	-2.739		0	%100
69	MP4C	X	0	-2.739	0	%100
70	MP4C	Z		0	0	%100
71	MP3C	X	-7.434	-7.434	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C		-7.434	-7.434	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C		-8.999	-8.999	0	%100
76	MP1C	X	0	0	0	%100
77		Z	-7.434	-7.434	0	%100
78	M91	X	0	0	0	%100
	M91	Z	-2.739	-2.739	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	-7.434	-7.434	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	-7.434	-7.434	0	%100
83	MP2B	X	0	0	0	%100
84	MP2B	Z	-8.999	-8.999	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	-7.434	-7.434	0	%100
87	OVP1	X	0	0	0	%100
88	OVP1	Z	-6.775	-6.775	0	%100 %100
89	M97	X	0	0	0	%100
90	M97	Z	-8.999	-8.999	0	%100
91	M102	X	0	0	0	%100 %100
92	M102	Z	-2.25	-2.25	0	%100 %100
93	M107	X	0	0	0	
94	M107	Z	-2.25	-2.25	0	%100
95	M118	X	0	0		%100
96	M118	Z	-2.835		0	%100
97	M119	X	-2.635	-2.835	0	%100
98	M119	Ž	-2.835	0	0	%100
99	M120	X		-2.835	0	%100
100	M120	Ž	0	0	0	%100
101	M121		-11.34	-11.34	0	%100
102	M121	X	0	0	0	%100
103		Z	-5.922	-5.922	0	%100
104	M123A	X	0	0	0	%100
	M123A	Z	-12.049	-12.049	0	%100
105	M125	X	0	0	0	%100
106	M125	Z	-12.049	-12.049	0	%100



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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,%] %100
1	M48	X	1.686	1.686	0	%100
2	M48	Z	-2.92	-2.92	0	%100 %100
3	M53	X	6.412	6.412	0	%100 %100
4	M53	Z	-11.107	-11.107	0	%100 %100
5	M54	X	6.412	6.412	0	%100 %100
6	M54	Z	-11.107	-11.107	0	
7	M62	X	.388	388	0	%100
8	M62	Z	672	672	0	%100
9	M63	X	.435	.435	0	%100
10	M63	Z	753	753	0	%100
11	M66	X	0	0	0	%100
12	M66	Z	0	0	0	%100
13	M67	X	2.514	2.514	0	%100
14	M67	Z	-4.354	-4.354	0	%100
15	M200	X	4.108	4.108	0	%100
16	M200	Z	-7.116	-7.116	0	%100
17	MP4A	X	3.717	3.717	0	%100
18	MP4A	Z	-6.438		0	%100
19	MP3A	X	3.717	3.717	0	%100
20	MP3A	Z	-6.438	-6.438	0	%100
21	MP2A	X	4.5	4.5	0	%100
22	MP2A	Z	-7.793	-7.793	0	%100
23	MP1A	X	3.717	3.717	0	%100
24	MP1A	Z	-6.438	-6.438	0	%100
25	M37	X	5.869	5.869	0	%100
26	M37	Z	-10.165	-10.165	0	%100
27	M38	X	5.869	5.869	0	%100
28	M38	Z	-10.165	-10.165	0	%100
29	M36A	X	1.686	1.686	0	%100
30	M36A	Z	-2.92	-2.92	0	%100
31	M39A	X	6.412	6.412	0	%100_
	M39A	Z	-11.107	-11.107	0	%100
32	M40A	X	6.412	6.412	0	%100
34	M40A	Z	-11.107	-11.107	0	%100
	M48A	X	.388	.388	0	%100
35	M48A	Z	672	672	0	%100
36	M49A	X	.435	.435	0	%100
37	M49A	Z	753	753	0	%100
38	M50	X	2.514	2.514	0	%100
39	M50	Z	-4.354	-4.354	0	%100
40		X	0	0	0	%100
41	M51A M51A	Z	0	0	0	%100
42		X	5.869	5.869	0	%100
43	M53A	Ž	-10.166	-10.166	0	%100
44	M53A	X	5.869	5.869	0	%100
45	M54A	Ž	-10.165	-10.165	0	%100_
46	M54A	X	3.717	3.717	0	%100
47	OVP2	Ž	-6.438	-6.438	0	%100
48	OVP2	X	6.744	6.744	0	%100
49	M60A	Ž	-11.681	-11.681	0	%100
50	M60A	X	0	0	0	%100
51	M63A	Z	0	0	0	%100
52	M63A	X	0	0	0	%100
53	M64		0	Ö	0	%100
54	M64	Z	0	0	Ů Ů	%100
55	M72	Z	0	0	0	%100
56	M72		0	0	0	%100
57	M73	X	0			Page 85



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

F0.	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude(lb/ft,F.,	. Start Location[ft,%]	End Location[ft,%]
58	<u>M73</u>	Z	0	0	0	%100
59	M74	X	2.514	2.514	0	%100
60	M74	Z	-4.354	-4.354	0	%100
61	M75	X	2.514	2.514	0	%100
62	M75	Z	-4.354	-4.354	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	0	0	0	%100
65	M78	X	0	0	0	%100
66	M78	Z	0	0	0	%100
67	M82	X	4.108	4.108	0	%100
68	M82	Z	-7.116	-7.116	0	%100
69	MP4C	X	3.717	3.717	0	%100
70	MP4C	Z	-6.438	-6.438	0	%100
71	MP3C	X	3.717	3.717	0	%100
72	MP3C	Z	-6.438	-6.438	0	%100
73	MP2C	X	4.5	4.5	0	%100
74	MP2C	Z	-7.793	-7.793	0	%100
75	MP1C	X	3.717	3.717	0	%100 %100
76	MP1C	Z	-6.438	-6.438	Ŏ	%100
77	M91	X	0	0	0	%100
78	M91	Z	0	0	Õ	%100
79	MP4B	X	3.717	3.717	Ö	%100
80	MP4B	Z	-6.438	-6.438	Ö	%100 %100
81	MP3B	X	3.717	3.717	Ö	%100 %100
82	MP3B	Z	-6.438	-6.438	Ö	%100
83	MP2B	X	4.5	4.5	0	%100 %100
84	MP2B	Z	-7.793	-7.793	0	%100
85	MP1B	X	3.717	3.717	0	%100
86	MP1B	Z	-6.438	-6.438	0	%100 %100
87	OVP1	X	3.387	3.387	0	%100 %100
88	OVP1	Z	-5.867	-5.867	0	%100
89	M97	X	3.375	3.375	0	%100
90	M97	Z	-5.845	-5.845	Ö	%100
91	M102	X	3.375	3.375	0	%100
92	M102	Z	-5.845	-5.845	0	%100
93	M107	X	0	0	0	%100
94	M107	Z	0	0	0	%100 %100
95	M118	X	4.252	4.252	0	%100 %100
96	M118	Z	-7.365	-7.365	0	%100
97	M119	X	0	0	Ö	%100
98	M119	Z	0	0	0	%100 %100
99	M120	X	4.252	4.252	0	%100 %100
100	M120	Z	-7.366	-7.366	Ö	%100 %100
101	M121	X	3.982	3.982	0	%100 %100
102	M121	Z	-6.897	-6.897	0	%100 %100
103	M123A	X	3.982	3.982	0	%100 %100
104	M123A	Z	-6.897	-6.897	0	%100 %100
105	M125	X	7.046	7.046	0	%100 %100
106	M125	Z	-12.204	-12.204	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft	End MagnitudeIlb/ft.F	Start Location[ft,%]	End Location[ft,%]
1	M48	X	8.761	8.761	0	%100
2	M48	Z	-5.058	-5.058	0	%100 %100
3	M53	X	3,702	3.702	0	%100 %100
4	M53	Z	-2.137	-2.137	0	%100 %100



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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%] %100
5	M54	X	3.702	3.702	0	%100 %100
6	M54	Z	-2.137	-2.137	0	%100
7	M62	X	.224	.224	0	%100 %100
8	M62	Z	129	129	0	%100
9	M63	X	.251	.251	0	%100
10	M63	Z	145	145	0	%100 %100
11	M66	X	1.451	1.451	0	
12	M66	Z	838	838	0	%100
13	M67	X	5.806	5.806	0	%100
14	M67	Z	-3.352	-3.352	0	%100
15	M200	X	2.372	2.372	0	%100
16	M200	Z	-1.369	-1.369	0	%100
17	MP4A	X	6.438	6.438	0	%100
18	MP4A	Z	-3.717	-3.717	0	%100
19	MP3A	X	6.438	6.438	0	%100
20	MP3A	Z	-3.717	-3.717	0	%100
21	MP2A	X	7.793	7.793	0	%100
22	MP2A	Z	-4.5	-4.5	0	%100
23	MP1A	X	6.438	6.438	0	%100
24	MP1A	Z	-3.717	-3.717	0	%100
25	M37	X	3.388	3.388	0	%100
	M37	Z	-1.956	-1.956	0	%100
26	M38	X	3.388	3.388	0	%100
	M38	Z	-1.956	1.956	0	%100
28	M36A	X	0	0	0	%100
29	M36A	Z	Ů O	0	0	%100
30	M39A	X	14.809	14.809	0	%100
31	M39A	Z	-8.55	-8.55	0	%100
32		X	14.809	14.809	0	%100
33	M40A	Z	-8.55	-8.55	0	%100
34	M40A	X	.896	.896	0	%100
35	M48A	Ž	517	517	0	%100
36	M48A	X	1.004	1.004	0	. %100
37	M49A	Ž	58	58	0	%100
38	M49A	X	1.451	1.451	0	%100
39	M50	Ž	838	838	0	%100
40	M50	X	1.451	1.451	0	%100
41	M51A	Ž	838	838	0	%100
42	M51A		13.554	13.554	0	%100
43	M53A	Z	-7.825	-7.825	0	%100
44	M53A		13.554	13.554	0	%100
45	M54A	X	-7.825	-7.825	0	%100
46	M54A	Z	6.438	6.438	0	%100
47	OVP2	X 7	-3.717	-3.717	0	%100
48	OVP2	Z		8.76	0	%100
49	M60A	X	8.76	-5.058	0	%100
50	M60A	Z	-5.058	3.702	0	%100
51	M63A	X	3.702	-2.137	0	%100
52	M63A	Z	-2.137	3.702	0	%100
53	M64	X	3.702	-2.137	0	%100
54	M64	Z	-2.137	.224	0	%100
55	M72	X	.224	129	0	%100
56	M72	Z	129		0	%100
57	M73	X	.251	.251	0	%100
58	M73	Z	145	145	0	%100 %100
59	M74	X	5.806	5.806	0	%100 %100
60	M74	Z	-3.352	-3.352	0	%100 %100
61	M75	X	1.451	1.451	<u> </u>	70100

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

	Member Label	Direction	Start Magnitude[lb/ft,,	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
62	M75	Z	838	838	0	%100
63	M77	X	3.389	3.389	0	%100
64	M77	Z	-1.957	-1.957	0	%100
65	M78	X	3.388	3.388	Ö	%100
66	M78	Z	-1.956	-1.956	0	%100
67	M82	X	9.488	9.488	0	%100 %100
68	M82	Z	-5.478	-5.478	0	%100
69	MP4C	X	6.438	6.438	0	%100 %100
70	MP4C	Z	-3.717	-3.717	0	%100 %100
71	MP3C	X	6.438	6.438	0	%100 %100
72	MP3C	Z	-3.717	-3.717	0	%100 %100
73	MP2C	X	7.793	7.793	0	%100 %100
74	MP2C	Z	-4.5	-4.5	0	%100 %100
75	MP1C	X	6.438	6.438	0	%100 %100
76	MP1C	Z	-3.717	-3.717	0	%100 %100
77	M91	X	2.372	2.372	0	
78	M91	Z	-1.369	-1.369	0	%100
79	MP4B	X	6.438	6.438	0	%100
80	MP4B	Z	-3.717	-3.717		%100
81	MP3B	X	6.438	6.438	0	%100
82	MP3B	Z	-3.717	-3.717	0	%100
83	MP2B	X	7.793		0	%100
84	MP2B	Ž	-4.5	7.793 -4.5	0	%100
85	MP1B	X	6.438		0	%100
86	MP1B	Ž	-3.717	6.438	0	%100
87	OVP1	X		-3.717	0	%100
88	OVP1	Z	5.867	5.867	0	%100
89	M97	X	-3.387	-3.387	0	%100
90	M97	Ž	1.948	1.948	0	%100
91	M102	X	-1.125	-1.125	0	%100
92	M102	Z	7.793 -4.5	7.793	0	%100
93	M107	X		-4.5	0	%100
94	M107	Ž	1.948	1.948	0	%100
95	M118		-1.125	-1.125	0	%100
96	M118	X	9.821	9.821	0	%100
97	M119	Z	-5.67	-5.67	0	%100
98	M119	Z	2.455	2.455	0	%100
99	M120		-1.417	-1.417	0	%100
100		X	2.455	2.455	0	%100
101	M120	Z	-1.418	-1.418	0	%100
	M121	X	10.435	10.435	0	%100
102	M121	Z	-6.025	-6.025	0	%100
103	M123A	X	5.128	5.128	0	%100
104	M123A	Z	-2.961	-2.961	0	%100
105	M125	X	10.435	10.435	0	%100
106	M125	Z	-6.025	-6.025	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
1	M48	X	13.488	13.488	n Otali Ecocationijit, 70j	%100
2	M48	Z	0	0	0	%100 %100
3	M53	X	0	0	0	%100 %100
4	M53	Z	0	0	0	%100 %100
5	M54	X	0	0	0	%100 %100
6	M54	Z	0	n n	0	%100 %100
7	M62	X	0	0	0	%100 %100
8	M62	Z	0	0	0	%100 %100



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

	Member Label	Direction		End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%] %100
9	M63	X	0	0	0	%100 %100
10	M63	Z	0	0	0	%100 %100
11	M66	X	5.028	5.028	0	%100 %100
12	M66	Z	0	0	0	%100 %100
13	M67	X	5.028	5.028	0	%100 %100
14	M67	Z	0	0	0	%100 %100
15	M200	X	0	0	0	%100 %100
16	M200	Z	0	0	0	%100 %100
17	MP4A	X	7.434	7.434	0	
18	MP4A	Z	0	0	0	%100
19	MP3A	X	7.434	7.434	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	8.999	8.999	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	7.434	7.434	0	%100
24	MP1A	Z	0	0	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M36A	X	3.372	3.372	0	%100
30	M36A	Z	0	0	0	%100
31	M39A	X	12.825	12.825	0	%100
32	M39A	Z	0	0	0	%100
33	M40A	X	12.825	12.825	0	%100
	M40A	Z	0	0	0	%100
34	M48A	X	.776	.776	0	%100
35	M48A	Z	0	0	0	%100
36		X	.87	.87	0	%100
37	M49A	Z	0	0	0	%100
38	M49A	X	Ö	0	0	%100
39	M50	Z	0	0	0	%100
40	M50	X	5.028	5.028	0	%100
41	M51A	Z	0	0	0	%100
42	M51A	X	11.737	11.737	0	%100
43	M53A		0	0	0	%100
44	M53A	Z	11.738	11.738	0	%100
45	M54A	X	0	0	0	%100
46	M54A	Z	7.434	7.434	0	%100
47	OVP2	X	7.434	0	0	%100
48	OVP2	Z	3.372	3.372	0	%100
49	M60A	X		0	0	%100
50	M60A	Z	0	12.825	0	%100
51	M63A	<u> </u>	12.825	0	0	%100
52	M63A	Z	0	12.825	0	%100
53	M64	<u> </u>	12.825	0	0	%100
54	M64	Z	770		0	%100
55	M72	X	.776	.776	0	%100 %100
56	M72	Z	0	0	0	%100
57	M73	X	.87	.87	0	%100
58	M73	Z	0	0	0	%100
59	M74	X	5.028	5.028		%100 %100
60	M74	Z	0	0	0	%100 %100
61	M75	X	0	0	0	
62	M75	Z	0	0	0	%100 %100
63	M77	X	11.738	11.738	0	%100
64	M77	Z	0	0	0	%100 %100
65	M78	X	11.738	11.738	0	%100



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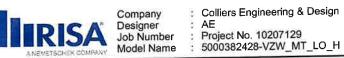
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Member Distributed Loads (BLC 44 : Structure Wo (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft, %]	End Location[ft,%]
66	M78	Z	0	0	0	%100
67	M82	X	8.217	8.217	0	%100
68	M82	Z	0	0	0	%100
69	MP4C	X	7.434	7.434	0	%100
70	MP4C	Z	0	0	0	%100
71	MP3C	X	7.434	7.434	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	8.999	8.999	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C	X	7.434	7.434	0	%100
76	MP1C	Z	0	0	Ō	%100 %100
77	M91	X	8.217	8.217	0	%100
78	M91	Z	0	0	Ö	%100
79	MP4B	X	7.434	7.434	Ö	%100 %100
80	MP4B	Z	0	0	0	%100 %100
81	MP3B	X	7,434	7,434	0	%100
82	MP3B	Z	0	0	Ö	%100 %100
83	MP2B	X	8.999	8.999	0	%100
84	MP2B	Z	0	0.555	0	%100 %100
85	MP1B	X	7.434	7.434	0	%100 %100
86	MP1B	Z	0	0	0	%100 %100
87	OVP1	X	6.775	6.775	0	%100 %100
88	OVP1	Z	0	0.775	0	%100 %100
89	M97	X	0	0	0	%100 %100
90	M97	Z	Ö	0	0	%100 %100
91	M102	X	6.749	6.749	0	%100 %100
92	M102	Z	0.7.0	0.743	0	%100
93	M107	X	6.749	6.749	0	%100 %100
94	M107	Z	0.743	0.749	0	%100 %100
95	M118	X	8,505	8.505	0	%100
96	M118	Z	0.000	0.505	0	%100
97	M119	X	8.505	8.505	0	%100 %100
98	M119	Z	0.000	0.505	0	%100 %100
99	M120	X	0	0	0	
100	M120	Z	0	0	0	%100 %100
101	M121	X	14.092	14.092	0	
102	M121	Z	14.092	0	0	<u>%100</u>
103	M123A	X	7.964	7.964	0	%100 %100
104	M123A	Z	7.964	7.964		%100
105	M125	X	7.964	7.964	0	%100
106	M125	Z	7.964		0	%100
, 50	IVIIZU		U	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
1	M48	X	8.76	8.76	O.C. COOC.C.IJI. 70]	%100
2	M48	Z	5.058	5.058	Ō	%100
3	M53	X	3.702	3.702	Û	%100 %100
4	M53	Z	2.137	2.137	0	%100
5	M54	X	3.702	3.702	0	%100
6	M54	Z	2.137	2.137	0	%100
7	M62	X	.224	.224	0	%100
8	M62	Z	.129	.129	0	%100 %100
9	M63	X	.251	.251	0	%100
10	M63	Z	.145	.145	0	%100
11	M66	X	5.806	5.806	0	%100
12	M66	Z	3.352	3.352	0	%100



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

	Member Label	Direction		.End Magnitude[lb/ft.F	Start Location[ft,%]	End Location[ft,%] %100
13	M67	X	1,451	1.451	0	%100 %100
14	M67	Z	.838	.838	0	%100
15	M200	X	2.372	2.372	0	%100 %100
16	M200	Z	1.369	1.369		%100 %100
17	MP4A	X	6.438	6.438	0	%100 %100
18	MP4A	Z	3.717	3.717	0	%100 %100
19	MP3A	X	6.438	6.438	0	%100 %100
20	MP3A	Z	3.717	3.717	0	%100 %100
21	MP2A	X	7.793	7.793	0	
22	MP2A	Z	4.5	4.5	0	%100
23	MP1A	X	6.438	6.438	0	%100
24	MP1A	Z	3.717	3.717	0	%100
25	M37	X	3.389	3.389	0	%100
26	M37	Z	1.957	1.957	0	%100
27	M38	X	3.388	3.388	0	%100
28	M38	Z	1.956	1.956	0	%100
29	M36A	X	8.761	8.761	0	%100
30	M36A	Z	5.058	5.058	0	%100
31	M39A	X	3.702	3.702	0	%100
32	M39A	Z	2,137	2.137	0	%100
33	M40A	X	3.702	3.702	0	%100
34	M40A	Z	2.137	2.137	0	%100
	M48A	X	.224	.224	0	%100
35	M48A	Z	.129	.129	0	%100
36	M49A	X	.251	.251	0	%100
37		Z	.145	.145	0	%100
38	M49A	X	1.451	1.451	0	%100
39	M50	Z	.838	.838	0	%100
40	M50	X	5.806	5.806	0	%100
41	M51A	Ž	3.352	3.352	0	%100
42	M51A		3.388	3.388	0	%100
43	M53A	X	1.956	1.956	0	%100
44	M53A	Z	3.388	3.388	Ö	%100
45	M54A	X	1.956	1.956	0	%100
46	M54A	Z	6.438	6.438	Ö	%100
47	OVP2	X	3.717	3.717	0	%100
48	OVP2	Z		0	0	%100
49	M60A	X	0	0	Ö	%100
50	M60A	Z	0	14.809	0	%100
51	M63A	X	14.809	8.55	0	%100
52	M63A	Z	8.55		0	%100
53	M64	X	14.809	14.809	0	%100
54	M64	Z	8.55	8.55		%100 %100
55	M72	X	.896	.896	0	%100
56	M72	Z	.517	.517	0	%100
57	M73	X	1.004	1.004	0	%100 %100
58	M73	Z	.58	.58	0	%100 %100
59	M74	X	1.451	1,451	0	
60	M74	Z	.838	.838	0	%100
61	M75	X	1.451	1.451	0	%100
62	M75	Z	.838	.838	0	%100
63	M77	X	13.554	13.554	0	%100
64	M77	Z	7.825	7.825	0	%100
65	M78	X	13.554	13.554	00	%100
66	M78	Z	7.825	7.825	0	%100
67	M82	X	2.372	2.372	0	%100
68	M82	Z	1.369	1.369	0	%100
69	MP4C	X	6.438	6.438	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,%]
70	MP4C	Z	3.717	3.717	0	%100
71	MP3C	X	6.438	6.438	0	%100
72	MP3C	Z	3.717	3.717	0	%100
73	MP2C	X	7.793	7.793	0	%100
74	MP2C	Z	4.5	4.5	0	%100
75	MP1C	X	6.438	6.438	0	%100 %100
76	MP1C	Z	3.717	3.717	0	%100
77	M91	X	9.488	9.488	0	%100
78	M91	Z	5,478	5.478	0	%100 %100
79	MP4B	X	6.438	6.438	0	%100 %100
80	MP4B	Z	3.717	3.717	0	%100 %100
81	MP3B	X	6.438	6.438	0	%100 %100
82	MP3B	Z	3.717	3.717	Ö	%100
83	MP2B	X	7.793	7.793	0	%100 %100
84	MP2B	Z	4.5	4.5	0	%100 %100
85	MP1B	X	6.438	6.438	Ö	%100 %100
86	MP1B	Z	3.717	3.717	0	%100 %100
87	OVP1	X	5.867	5.867	0	%100 %100
88	OVP1	Z	3.387	3.387	Ö	%100 %100
89	M97	X	1.948	1.948	0	%100 %100
90	M97	Z	1.125	1.125	0	%100 %100
91	M102	X	1.948	1.948	0	%100 %100
92	M102	Z	1.125	1.125	ő	%100 %100
93	M107	X	7.793	7.793	0	%100 %100
94	M107	Z	4.5	4.5	0	%100 %100
95	M118	X	2.455	2.455	0	%100 %100
96	M118	Z	1.418	1.418	0	%100 %100
97	M119	X	9.821	9.821	0	%100
98	M119	Z	5.67	5.67	0	%100 %100
99	M120	X	2.455	2.455	0	%100 %100
100	M120	Z	1.417	1.417	0	%100 %100
101	M121	X	10.435	10.435	0	%100 %100
102	M121	Z	6.025	6.025	0	%100 %100
103	M123A	X	10.435	10.435	0	%100 %100
104	M123A	Z	6.025	6.025	0	%100 %100
105	M125	X	5.128	5.128	0	%100 %100
106	M125	Z	2.961	2.961	0	%100 %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	M48	X	1.686	1.686	0	%100
2	M48	Z	2.92	2.92	0	%100
3	M53	X	6.412	6.412	0	%100
4	M53	Z	11.107	11.107	0	%100
5	M54	X	6.412	6.412	0	%100 %100
6	M54	Z	11.107	11.107	0	%100
7	M62	X	.388	.388	0	%100
8	M62	Z	.672	.672	0	%100
9	M63	X	.435	.435	0	%100
10	M63	Z	.753	.753	0	%100
11	M66	X	2,514	2.514	0	%100 %100
12	M66	Z	4.354	4.354	0	%100
13	M67	X	0	0	0	%100 %100
14	M67	Z	0	0	Ö	%100 %100
15	M200	X	4.108	4.108	0	%100 %100
16	M200	Z	7.116	7.116	0	%100 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,	. End Magnitude[lb/ft.F	Start Location[ft,%]	End Location[ft,% %100
17	MP4A	X	3.717	3.717	0	%100
18	MP4A	Z	6.438	6.438	0	%100 %100
19	MP3A	X	3.717	3.717	0	%100 %100
20	MP3A	Z	6.438	6.438	0	%100 %100
21	MP2A	X	4.5	4.5	0	
22	MP2A	Z	7.793	7.793	0	%100
23	MP1A	X	3.717	3.717	0	%100
24	MP1A	Z	6.438	6.438	0	%100
25	M37	X	5.869	5.869	0	%100
26	M37	Z	10.166	10.166	0	%100
27	M38	X	5.869	5.869	00	%100
	M38	Ž	10.165	10.165	0	%100
28	M36A	X	6.744	6.744	0	%100
29	M36A	Z	11.681	11.681	0	%100
30	M39A	X	0	0	0	%100
31		Z	0	0	0	%100
32	M39A	X	Ö	0	0	%100
33	M40A	Ž	0	0	0	%100
34	M40A	X	0	Ö	0	%100
35	M48A	Ž	0	0	0	%100
36	M48A	X	0	ő	0	%100
37	M49A	Ž	Ö	0	0	%100
38	M49A	X	2.514	2.514	0	%100
39	M50		4.354	4.354	0	%100
40	M50	Z	2.514	2.514	0	%100
41	M51A	X	4.354	4.354	0	%100
42	M51A	Z	0	0	0	%100
43	M53A	X	0	Ŏ	0	%100
44	M53A	Z	0	Ů Ů	0	%100
45	M54A	X	0	0	0	%100
46	M54A	Z	3.717	3.717	0	%100
47	OVP2	X		6.438	Ö	%100
48	OVP2	Z	6.438	1.686	0	%100
49	M60A	X	1.686	2.92	Ö	%100
50	M60A	Z	2.92	6.412	0	%100
51	M63A	X	6.412	11.107	0	%100
52	M63A	Z	11.107	6.412	0	%100
53	M64	X	6.412		Ů Ů	%100
54	M64	Z	11.107	11.107	0	%100
55	M72	X	.388	.388	0	%100
56	M72	Z	.672	.672	0	%100
57	M73	X	.435	.435	0	%100
58	M73	Z	.753	.753	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	0	0	0	%100 %100
61	M75	X	2.514	2.514	0	%100
62	M75	Z	4.354	4.354	0	%100
63	M77	X	5.869	5.869	0	%100 %100
64	M77	Z	10.165	10.165		%100
65	M78	X	5.869	5.869	0	%100 %100
66	M78	Z	10.165	10.165	0	%100 %100
67	M82	X	0	0	0	%100 %100
68	M82	Z	0	0	0	
69	MP4C	X	3.717	3.717	0	%100
70	MP4C	Z	6.438	6.438	0	%100
71	MP3C	X	3.717	3.717	0	%100
72	MP3C	Z	6.438	6.438	0	%100
73	MP2C	X	4.5	4.5	0	%100



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

r	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
74	MP2C	Z	7.793	7.793	0	%100
75	MP1C	X	3.717	3.717	0	%100
76	MP1C	Z	6.438	6.438	0	%100
77	M91	X	4.108	4.108	0	%100
78	M91	Z	7.116	7.116	0	%100
79	MP4B	X	3.717	3.717	0	%100
80	MP4B	Z	6.438	6.438	0	%100 %100
81	MP3B	X	3.717	3.717	0	%100 %100
82	MP3B	Z	6.438	6.438	0	%100 %100
83	MP2B	X	4.5	4.5	0	%100 %100
84	MP2B	Z	7.793	7.793	0	%100 %100
85	MP1B	X	3.717	3.717	0	%100 %100
86	MP1B	Z	6.438	6.438	0	
87	OVP1	X	3.387	3.387	0	<u>%100</u>
88	OVP1	Z	5.867	5.867	0	%100 %100
89	M97	X	3.375	3.375	0	
90	M97	Z	5.845	5.845	0	%100
91	M102	X	0	0.045	0	%100
92	M102	Z	0	0	0	%100
93	M107	X	3.375	3.375	0	%100
94	M107	Z	5.845	5.845		%100
95	M118	X	0	0.045	0	%100
96	M118	Z	0	0	0	%100
97	M119	X	4.252		0	%100
98	M119	Z	7.366	4.252	0	%100
99	M120	X		7.366	0	%100
100	M120	Z	4.252	4.252	0	%100
101	M121	X	7.365	7.365	0	%100
102	M121	Z	3.982	3.982	0	%100
103	M123A	X	6.897	6.897	0	%100
104	M123A		7.046	7.046	0	%100
105	M125A	Z	12.204	12.204	0	%100
106	M125	X	3.982	3.982	0	%100
100	IVITZO	Z	6.897	6.897	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	M48	X	0	0	n Otari Educationipi, 78j	%100
2	M48	Z	0	0	0	
3	M53	X	0	0	0	%100
4	M53	Z	17.1	17.1	0	%100
5	M54	X	0	0	0	%100
6	M54	7	17.1	17.1	0	%100
7	M62	X		0		%100
8	M62	7	1.034		0	%100
9	M63	X	1.034	1.034	0	%100
10	M63	Z	1.16	1.40	0	%100
11	M66	X		1.16	0	%100
12	M66	7	0	1.070	0	<u>%100</u>
13	M67	X	1.676	1.676	0	%100
14	M67		0	0	0	<u>%100</u>
15	M200	Z	1.676	1.676	0	%100
16		<u> X</u>	0	0	0	%100
	M200	Z	10.955	10.955	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	7.434	7.434	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	7.434	7.434	Ö	%100



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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
21	MP2A	X	0	8.999	0	%100 %100
22	MP2A	Z	8.999	770	0	%100
23	MP1A	X	0	7.434	0	%100
24	MP1A	Z	7.434		0	%100 %100
25	M37	X	0	0	0	%100
26	M37	Z	15.651	15,651	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	15.651	15.651	0	%100
29	M36A	X	0	0	0	%100 %100
30	M36A	Z	10.116	10.116	0	%100
31	M39A	X	0	0	0	%100 %100
32	M39A	Z	4.275	4.275	0	%100 %100
33	M40A	X	0	0	0	%100 %100
34	M40A	Z	4.275	4.275	0	%100 %100
35	M48A	X	0	0	0	%100
36	M48A	Z	.259	.259	0	%100 %100
37	M49A	X	0	.29	0	%100 %100
38	M49A	Z	.29		0	%100 %100
39	M50	X	0 704	6.704	0	%100 %100
40	M50	Z	6.704	0.704	0	%100 %100
41	M51A	X	0	1.676	0	%100
42	M51A	Z	1.676		0	%100
43	M53A	X	0	3.913	0	%100
44	M53A	Z	3.913		0	%100 %100
45	M54A	X	0	0	0	%100
46	M54A	Z	3.913	3.913	0	%100 %100
47	OVP2	X	0	0	0	%100
48	OVP2	Z	7.434	7.434	0	%100
49	M60A	X	0	0	0	%100 %100
50	M60A	Z	10.116	10.116	0	%100
51	M63A	X	0	0	Ö	%100
52	M63A	Z	4.275	4.275	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	4.275	4.275	0	%100 %100
55	M72	X	0	0	0	%100 %100
56	M72	Z	.259	.259	0	%100 %100
57	M73	X	0	0	0	%100 %100
58	M73	Z	.29	.29	0	%100 %100
59	M74	X	0	0	0	%100
60	M74	Z	1.676	1.676	0	%100
61	M75	X	0	0	0	%100 %100
62	M75	Z	6.704	6.704		%100
63	M77	X	0	0	0	%100 %100
64	M77	Z	3.912	3.912		%100 %100
65	M78	X	0	0	0	%100
66	M78	Z	3.913	3.913	0	%100
67	M82	X	0	0 700	0	%100 %100
68	M82	Z	2.739	2.739		%100 %100
69	MP4C	X	0	7 404	0	%100 %100
70	MP4C	Z	7.434	7.434	0	%100 %100
71	MP3C	X	0	0	0	%100 %100
72	MP3C	Z	7.434	7.434	0	%100 %100
73	MP2C	X	0	0	0	%100 %100
74	MP2C	Z	8.999	8.999	0	%100 %100
75	MP1C	X	0	0	0	
76	MP1C	Z	7.434	7.434	0	%100 %100
77	M91	X	0	0	0	<i>7</i> 0 1∪∪



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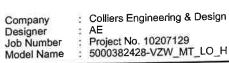
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Member Distributed Loads (BLC 47 : Structure Wo (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
78	M91	Z	2.739	2.739	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	7.434	7.434	0	%100
81	MP3B	X	0	0	0	%100 %100
82	MP3B	Z	7.434	7.434	0	%100
83	MP2B	X	0	0	0	%100 %100
84	MP2B	Z	8.999	8.999	0	%100 %100
85	MP1B	X	0	0.000	0	%100 %100
86	MP1B	Z	7.434	7.434	Ö	%100 %100
87	OVP1	X	0	0	0	%100 %100
88	OVP1	Z	6.775	6.775	0	%100 %100
89	M97	X	0	0.770	0	%100 %100
90	M97	Z	8.999	8,999	0	%100 %100
91	M102	X	0	0.555	0	%100 %100
92	M102	Z	2.25	2.25	0	%100 %100
93	M107	X	0	0	0	%100 %100
94	M107	Z	2.25	2.25	0	%100 %100
95	M118	X	0	0	0	%100 %100
96	M118	Z	2.835	2.835	0	%100 %100
97	M119	X	0	0	0	%100 %100
98	M119	Z	2.835	2.835	0	%100 %100
99	M120	X	0	2.000	0	%100 %100
100	M120	Z	11.34	11.34	0	%100 %100
101	M121	X	0	11.04	0	%100 %100
102	M121	Z	5.922	5.922	0	%100 %100
103	M123A	X	0.022	0.522	0	
104	M123A	7	12.049	12.049	0	%100 %100
105	M125	X	0	12.043	0	%100 %100
106	M125	Z	12.049	12.049	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
1	M48	X	-1.686	-1.686	0	%100
2	M48	Z	2.92	2.92	0	%100
3	M53	X	-6.412	-6.412	0	%100
4	M53	Z	11,107	11,107	- 0	%100 %100
5	M54	X	-6.412	-6.412	0	%100 %100
6	M54	Z	11.107	11.107	0	%100 %100
7	M62	X	388	388	0	%100 %100
8	M62	Z	.672	.672	0	%100
9	M63	X	435	435	0	%100 %100
10	M63	Z	.753	.753	0	%100
11	M66	X	0	0	0	%100
12	M66	Z	0	0	0	%100 %100
13	M67	X	-2.514	-2.514	0	%100 %100
14	M67	Z	4.354	4.354	0	%100 %100
15	M200	X	-4.108	-4.108	0	%100 %100
16	M200	Z	7.116	7.116	0	%100
17	MP4A	X	-3.717	-3.717	0	%100
18	MP4A	Z	6.438	6.438	0	%100 %100
19	MP3A	X	-3.717	-3.717	0	%100 %100
20	MP3A	Z	6.438	6.438	0	%100 %100
21	MP2A	X	-4.5	-4.5	0	%100 %100
22	MP2A	Z	7.793	7.793	0	%100
23	MP1A	X	-3.717	-3.717	0	%100
24	MP1A	Z	6.438	6.438	0	%100 %100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%] %100
25	M37	X	-5.869	-5.869	0	%100 %100
26	M37	Z	10.165	10.165		%100 %100
27	M38	X	-5.869	-5.869	0	%100 %100
28	M38	Z	10.165	10.165	0	%100 %100
29	M36A	X	-1.686	-1.686		%100 %100
30	M36A	Z	2.92	2.92	0	%100 %100
31	M39A	X	-6.412	-6.412	0	%100 %100
32	M39A	Z	11.107	11.107	0	%100 %100
33	M40A	X	-6.412	-6.412	0	%100 %100
34	M40A	Z	11.107	11.107	0	%100 %100
35	M48A	X	388	388	0	%100 %100
36	M48A	Z	.672	.672	0	%100 %100
37	M49A	X	-,435	-,435	0	%100 %100
38	M49A	Z	.753	.753	0	%100 %100
39	M50	X	-2.514	-2.514	0	%100 %100
40	M50	Z	4.354	4.354		%100 %100
41	M51A	X	0	0	0	%100 %100
42	M51A	Z	0	0	0	%100 %100
43	M53A	X	-5.869	-5.869	0	%100
44	M53A	Z	10.166	10.166	0	%100 %100
45	M54A	X	-5.869	-5.869	0	%100
46	M54A	Z	10.165	10.165	0	%100 %100
47	OVP2	X	-3.717	-3.717	0	%100
48	OVP2	Z	6.438	6.438	0	%100 %100
49	M60A	X	-6.744	-6.744	0	%100 %100
50	M60A	Z	11.681	11.681	0	%100 %100
51	M63A	X	0	0	0	%100 %100
52	M63A	Z	0	0	0	
53	M64	X	0	0	0	%100
54	M64	Z	0	0	0	%100 %100
55	M72	X	0	0	0 -	%100 %100
56	M72	Z	0	0	0	%100 %100
57	M73	X	0	0	0	
58	M73	Z	0	0	0	%100
59	M74	X	-2.514	-2.514	0	%100
60	M74	Z	4.354	4.354	0	%100
61	M75	X	-2.514	-2.514	0	%100
62	M75	Z	4.354	4.354	0	%100
63	M77	X	-0	0	0	%100
64	M77	Z	0	0	0	%100
65	M78	X	0	0	0	%100 %100
66	M78	Z	0	0	0	%100
67	M82	X	-4.108	-4.108	0	%100
68	M82	Z	7.116	7.116	0	%100
69	MP4C	X	-3.717	-3.717	0	%100
70	MP4C	Z	6.438	6.438	0	%100
71	MP3C	X	-3.717	-3.717	0	%100
72	MP3C	Z	6.438	6.438	0	%100
73	MP2C	X	-4.5	-4.5	0	%100
74	MP2C	Z	7.793	7.793	0	%100
75	MP1C	X	-3.717	-3.717	0	%100
76	MP1C	Z	6.438	6.438	0	%100
77	M91	X	0	0	0	%100
	M91	Z	Ö	0	0	%100
78	MP4B	X	-3.717	-3.717	0	%100
79	MP4B	Z	6.438	6.438	0	%100
80	MP3B	X	-3.717	-3.717	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft.F	Start Location(ft %)	End Location[ft,%]
82	MP3B	Z	6.438	6.438	0	%100
83	MP2B	X	-4.5	-4.5	0	%100
84	MP2B	Z	7.793	7.793	0	%100
85	MP1B	X	-3.717	-3.717	0	%100
86	MP1B	Z	6.438	6.438	0	%100
87	OVP1	X	-3.387	-3.387	0	%100 %100
88	OVP1	Z	5.867	5.867	0	%100 %100
89	M97	X	-3.375	-3.375	0	%100 %100
90	M97	Z	5.845	5.845	0	%100 %100
91	M102	X	-3.375	-3.375	0	%100 %100
92	M102	Z	5.845	5.845	0	%100 %100
93	M107	X	0	0.010	0	%100 %100
94	M107	Z	0	0	0	%100
95	M118	X	-4.252	-4.252	0	%100 %100
96	M118	Z	7.365	7.365	0	%100 %100
97	M119	X	0	0	0	%100 %100
98	M119	Z	0	0	0	%100 %100
99	M120	X	-4.252	-4.252	0	%100 %100
100	M120	Z	7.366	7.366	0	%100 %100
101	M121	X	-3.982	-3.982	0	%100 %100
102	M121	Z	6.897	6.897	0	%100 %100
103	M123A	X	-3.982	-3.982	0	%100 %100
104	M123A	Z	6.897	6.897	0	%100 %100
105	M125	X	-7.046	-7.046	0	%100 %100
106	M125	Ž	12.204	12.204	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
1	M48	X	-8.761	-8.761	0	%100
2	M48	Z	5.058	5.058	Ö	%100
3	M53	X	-3.702	-3.702	0	%100
4	M53	Z	2.137	2.137	Ō	%100
5	M54	X	-3.702	-3.702	0	%100
6	M54	Z	2.137	2.137	0	%100
7	M62	X	224	224	0	%100 %100
8	M62	Z	.129	.129	0	%100 %100
9	M63	X	251	251	0	%100 %100
10	M63	Z	.145	.145	0	%100 %100
11	M66	X	-1.451	-1.451	0	%100 %100
12	M66	Z	.838	.838	0	%100 %100
13	M67	X	-5.806	-5.806	0	%100 %100
14	M67	Z	3.352	3.352	0	%100 %100
15	M200	X	-2.372	-2.372	0	%100 %100
16	M200	Z	1.369	1.369	0	%100 %100
17	MP4A	X	-6.438	-6.438	0	%100 %100
18	MP4A	Z	3.717	3.717	0	%100 %100
19	MP3A	X	-6.438	-6.438	0	%100 %100
20	MP3A	Z	3.717	3.717	0	%100 %100
21	MP2A	X	-7.793	-7.793	0	
22	MP2A	Z	4.5	4.5	0	%100 %100
23	MP1A	X	-6.438	-6.438	0	%100 %100
24	MP1A	7	3.717	3.717	0	
25	M37	X	-3.388	-3.388	0	%100
26	M37	Z	1.956	1.956	0	%100
27	M38	X	-3.388	-3.388		%100
28	M38	Z	1.956	1.956	0	%100 %100



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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%] %100
29	M36A	X	0	0	0	%100 %100
30	M36A	Z	0	0	0	%100 %100
31	M39A	X	-14.809	-14.809	0	%100 %100
32	M39A	Z	8.55	8.55		%100 %100
33	M40A	X	-14.809	-14.809	0	%100 %100
34	M40A	Z	8.55	8.55	0	%100 %100
35	M48A	X	896	896	0	%100 %100
36	M48A	Z	.517	.517	0	%100 %100
37	M49A	X	-1.004	-1.004	0	%100 %100
38	M49A	Z	.58	.58	0	%100 %100
39	M50	X	-1.451	-1.451	0	%100 %100
40	M50	Z	.838	.838	0	%100 %100
41	M51A	X	-1.451	-1.451	0	%100 %100
42	M51A	Z	.838	.838	0	
43	M53A	X	-13.554	-13.554	0	%100 %100
44	M53A	Z	7.825	7.825	0	%100 %100
45	M54A	X	-13.554	-13.554	0	
46	M54A	Z	7.825	7.825	0	%100
47	OVP2	X	-6.438	-6.438	0	%100 %100
48	OVP2	Z	3.717	3.717	0	
49	M60A	X	-8.76	-8.76	0	%100
50	M60A	Z	5.058	5.058	0	%100
51	M63A	X	-3.702	-3.702	0	%100
52	M63A	Z	2.137	2.137	0	%100
53	M64	X	-3.702	-3.702	0	%100
54	M64	Z	2.137	2.137	0	%100
55	M72	X	224	224	0	%100
56	M72	Z	.129	.129	0	%100
57	M73	X	251	251	0	%100
58	M73	Z	.145	.145	0	%100
59	M74	X	-5.806	-5.806	0	%100
60	M74	Z	3.352	3.352	0	%100
61	M75	X	-1.451	-1.451	0	%100
62	M75	Z	.838	.838	0	%100
63	M77	X	-3.389	-3.389	0	%100
64	M77	Z	1.957	1.957	0	%100
65	M78	X	-3.388	-3.388	0	%100
66	M78	Z	1.956	1.956	0	%100
67	M82	X	-9.488	-9.488	0	%100
68	M82	Z	5.478	5.478	0	%100
69	MP4C	X	-6.438	-6.438	0	<u>%100</u>
70	MP4C	Z	3.717	3.717	0	%100
71	MP3C	X	-6.438	-6.438	0	%100
72	MP3C	Z	3.717	3.717	0	%100
73	MP2C	X	-7.793	-7.793	00	%100
74	MP2C	Z	4.5	4.5	0	%100
75	MP1C	X	-6.438	-6.438	0	%100
76	MP1C	Z	3.717	3.717	0	%100
77	M91	X	-2.372	-2.372	0	%100
78	M91	Z	1.369	1.369	0	%100
79	MP4B	X	-6.438	-6.438	0	%100
	MP4B	Z	3.717	3.717	0	%100
80	MP3B	X	-6.438	-6.438	0	%100
81	MP3B	Z	3.717	3.717	0	%100
82		X	-7.793	-7.793	0	%100
83	MP2B	Ž	4.5	4.5	0	%100
84	MP2B MP1B	X	-6.438	-6.438	0	%100



Company Designer Job Number

Colliers Engineering & Design

AE
Project No. 10207129
5000382428-VZW_MT_LO_H

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
86	MP1B	Z	3.717	3.717	0	%100
87	OVP1	X	-5.867	-5.867	0	%100
88	OVP1	Z	3.387	3.387	0	%100
89	M97	X	-1.948	-1.948	0	%100
90	M97	Z	1.125	1.125	0	%100
91	M102	X	-7.793	-7.793	0	%100
92	M102	Z	4.5	4.5	0	%100
93	M107	X	-1.948	-1.948	0	%100 %100
94	M107	Z	1.125	1.125	0	%100 %100
95	M118	X	-9.821	-9.821	0	%100 %100
96	M118	Z	5.67	5.67	Ö	%100 %100
97	M119	X	-2.455	-2.455	0	%100 %100
98	M119	Z	1.417	1.417	0	%100 %100
99	M120	X	-2.455	-2.455	Ö	%100 %100
100	M120	Z	1.418	1.418	0	%100 %100
101	M121	X	-10.435	-10,435	0	%100 %100
102	M121	Z	6.025	6.025	Ö	%100
103	M123A	X	-5.128	-5.128	0	%100 %100
104	M123A	Z	2.961	2.961	0	%100 %100
105	M125	X	-10.435	-10,435	0	%100 %100
106	M125	Z	6.025	6.025	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[ib/ft,F.	Start Location(ft.%)	End Location[ft,%]
1	M48	X	-13.488	-13,488	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	0	0	0	%100
. 5	M54	X	0	0	0	%100
6	M54	Z	0	0	Ö	%100
7	M62	X	0	0	0	%100
8	M62	Z	0	0	Ö	%100
9	M63	X	0	0	0	%100
10	M63	Z	0	0	0	%100
11	M66	X	-5.028	-5.028	0	%100
12	M66	Z	0	0	0	%100
13	M67	X	-5.028	-5.028	0	%100
14	M67	Z	0	0	0	%100
15	M200	X	0	0	0	%100
16	M200	Z	0	0	0	%100
17	MP4A	X	-7.434	-7.434	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	-7.434	-7.434	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	-8.999	-8.999	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	-7.434	-7.434	0	%100 %100
24	MP1A	Z	0	0	0	%100
25	M37	X	0	0	0	%100 %100
26	M37	Z	0	0	0	%100 %100
27	M38	X	0	0	0	%100 %100
28	M38	Z	0	0	0	%100 %100
29	M36A	X	-3.372	-3.372	0	%100 %100
30	M36A	Z	0.0.2	0.072	0	%100 %100
31	M39A	X	-12.825	-12.825	0	%100 %100
32	M39A	Z	0	0	0	%100 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%] %100
33	M40A	X	-12.825	-12.825	0	%100 %100
34	M40A	Z	0	0	0	
35	M48A	X	776	776	0	%100
36	M48A	Z	0	0	0	%100
37	M49A	X	87	87	0	%100
38	M49A	Z	0	0	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	0	0	0	%100
41	M51A	X	-5.028	-5.028	0	%100
42	M51A	Z	0	0	0	%100
	M53A	X	-11.737	-11.737	0	%100
43	M53A	Ž	0	0	0	%100
44		X	-11.738	-11.738	0	%100
45	M54A	Z	0	0	0	%100
46	M54A		-7.434	-7.434	0	%100
47	OVP2	Z	0	0	0	%100
48	OVP2		-3.372	-3.372	0	%100
49	M60A	X	-5.572	0	0	%100
50	M60A	Z	-12.825	-12.825	0	%100
51	M63A	X		0	0	%100
52	M63A	Z	0	-12.825	0	%100
53	M64	X	-12.825		0	%100
54	M64	Z	0	0		%100 %100
55	M72	X	776	776	0	%100 %100
56	M72	Z	0	0		%100 %100
57	M73	X	87	87	0	
58	M73	Z	0	0	0	%100
59	M74	X	-5.028	-5.028	0	%100
60	M74	Z	0	0	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	0	0	0	%100
63	M77	X	-11.738	-11.738	0	%100
	M77	Z	0	0	0	%100
64	M78	X	-11.738	-11.738	0	%100
65	M78	Z	0	0	0	%100
66		X	-8,217	-8.217	0	%100
67	M82	Z	0	0	0	%100
68	M82	X	-7.434	-7.434	0	%100
69	MP4C	Z	0	0	0	%100
70	MP4C		-7.434	-7.434	0	%100
71	MP3C	X	-7.434	0	Ö	%100
72	MP3C	Z		-8.999	0	%100
73	MP2C	X	-8.999	0	0	%100
74	MP2C	Z	7.424	-7.434	0	%100
75	MP1C	X	-7.434		0	%100
76	MP1C	Z	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	%100
77	M91	X	-8.217	-8.217		%100 %100
78	M91	Z	0	0	0	%100 %100
79	MP4B	X	-7.434	-7.434	0	
80	MP4B	Z	0	0	0	%100
81	мР3В	X	-7.434	-7.434	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	-8.999	-8.999	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	-7.434	-7.434	0	%100
	MP1B	Z	0	0	0	%100
86		X	-6.775	-6.775	0	%100
87 88	OVP1	Z	0	0	0	%100
XX I	OVP1	X	Ö	0	0	%100

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

	Member Label	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
90	M97	Z	0	0	0	%100
91	M102	X	-6.749	-6.749	0	%100
92	M102	Z	0	0	0	%100
93	M107	X	-6.749	-6.749	0	%100
94	M107	Z	0	0	Ô	%100
95	M118	X	-8.505	-8.505	0	%100 %100
96	M118	Z	0	0	0	%100 %100
97	M119	X	-8.505	-8.505	0	%100 %100
98	M119	Z	0	0	O O	%100 %100
99	M120	X	0	Ö	0	%100
100	M120	Z	0	0	0	%100
101	M121	X	-14.092	-14.092	0	%100
102	M121	Z	0	0	Ö	%100
103	M123A	X	-7.964	-7.964	0	%100 %100
104	M123A	Z	0	0	0	%100
105	M125	X	-7.964	-7.964	n	%100 %100
106	M125	Z	0	0	Ö	%100 %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	M48	X	-8.76	-8.76	0	%100
2	M48	Z	-5.058	-5.058	0	%100
3	M53	X	-3.702	-3.702	0	%100
4	M53	Z	-2.137	-2.137	0	%100
5	M54	X	-3.702	-3.702	0	%100 %100
6	M54	Z	-2.137	-2.137	0	%100
7	M62	X	224	224	0	%100 %100
8	M62	Z	129	129	0	%100
9	M63	X	251	251	0	%100 %100
10	M63	Z	145	145	0	%100 %100
11	M66	X	-5.806	-5.806	0	%100 %100
12	M66	Z	-3.352	-3.352	0	%100 %100
13	M67	X	-1.451	-1.451	0	%100 %100
14	M67	Z	838	838	0	%100 %100
15	M200	X	-2.372	-2.372	0	%100 %100
16	M200	Z	-1.369	-1.369	0	%100 %100
17	MP4A	X	-6.438	-6.438	0	%100 %100
18	MP4A	Z	-3.717	-3.717	0	%100
19	MP3A	X	-6.438	-6.438	0	%100 %100
20	MP3A	Z	-3.717	-3.717	0	%100
21	MP2A	X	-7.793	-7.793	0	%100 %100
22	MP2A	Z	-4.5	-4.5	0	%100 %100
23	MP1A	X	-6.438	-6.438	0	%100 %100
24	MP1A	Z	-3.717	-3.717	0	%100
25	M37	X	-3.389	-3.389	0	%100 %100
26	M37	Z	-1.957	-1.957	0	%100 %100
27	M38	X	-3.388	-3.388	0	%100 %100
28	M38	Z	-1.956	-1.956	0	%100 %100
29	M36A	X	-8.761	-8.761	0	
30	M36A	Z	-5.058	-5.058	0	%100
31	M39A	X	-3.702	-3.702	0	%100 %100
32	M39A	Z	-2.137	-2.137	0	%100
33	M40A	X	-3.702	-3.702	0	%100
34	M40A	Z	-2.137	-2.137	0	%100 %100
35	M48A	X	224	-2.137		%100
36	M48A	Z	129	129	0	%100
	IVI TOTA		129	129	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft.%] %100
37	M49A	X	251	251	0	%100 %100
38	M49A	Z	145	145	0	%100 %100
39	M50	X	-1.451	-1.451	0	%100 %100
40	M50	Z	838	838	0	%100 %100
41	M51A	X	-5.806	-5.806	0	%100
42	M51A	Z	-3.352	-3.352	0	%100
43	M53A	X	-3.388	-3.388	0	%100 %100
44	M53A	Z	-1.956	-1.956	0	%100
45	M54A	X	-3.388	-3.388	0	%100
46	M54A	Z	-1.956	-1.956	0	%100 %100
47	OVP2	X	-6.438	-6.438	Ö	%100 %100
48	OVP2	Z	-3.717	-3.717	0	%100
49	M60A	X	0	0	0	%100 %100
50	M60A	Z	0	0	0	%100
51	M63A	X	-14.809	-14.809	0	%100
52	M63A	Z	-8.55	-8.55	0	%100
53	M64	X	-14.809	-14.809	0	%100
54	M64	Z	-8.55	-8.55	0	%100
55	M72	X	896	896	0	%100
56	M72	Z	517	517	0	%100
57	M73	X	-1.004	-1.004		%100
58	M73	Z	58	58	0	%100
59	M74	X	-1.451	-1.451	0	%100 %100
60	M74	Z	838	838	0	%100 %100
61	M75	X	-1.451	-1.451		%100 %100
62	M75	Z	838	838	0	%100 %100
63	M77	X	13.554	-13.554		%100 %100
64	M77	Z	-7.825	-7.825	0	%100 %100
65	M78	X	-13.554	-13.554	0	%100
66	M78	Z	-7.825	-7.825		%100 %100
67	M82	X	-2.372	-2.372	0	%100
68	M82	Z	-1.369	-1.369	0	%100 %100
69	MP4C	X	-6.438	-6.438	0	%100
70	MP4C	Z	-3.717	-3.717	0	
71	MP3C	X	-6.438	-6.438	0	%100 %100
72	MP3C	Z	-3.717	-3.717	0	%100
73	MP2C	X	-7.793	-7.793	0	%100 %100
74	MP2C	Z	-4.5	-4.5	0	%100
75	MP1C	X	-6.438	-6.438	0	%100 %100
76	MP1C	Z	-3.717	-3.717	0	
77	M91	X	-9.488	-9.488	0	%100 %100
78	M91	Z	-5.478	-5.478	0	%100 %100
79	MP4B	X	-6.438	-6.438	0	
80	MP4B	Z	-3.717	-3.717	0	%100 %100
81	MP3B	X	-6.438	-6.438	0	%100 %100
82	MP3B	Z	-3.717	-3.717	0	%100 %100
83	MP2B	X	-7.793	-7.793	0	%100 %100
84	MP2B	Z	-4.5	-4.5	0	%100
85	MP1B	X	-6.438	-6.438	0	%100 %100
86	MP1B	Z	-3.717	-3.717	0	%100
87	OVP1	X	-5.867	-5.867	0	%100
88	OVP1	Z	-3.387	-3.387	0	%100
89	M97	X	-1.948	-1.948	0	%100
90	M97	Z	-1.125	-1.125	0	%100
91	M102	X	-1.948	-1.948	0	%100
92	M102	Z	-1.125	-1.125	0	%100
93	M107	X	-7.793	-7.793	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
94	M107	Z	-4.5	-4.5	0	%100
95	M118	X	-2.455	-2.455	0	%100
96	M118	Z	-1.418	-1.418	Ů.	%100
97	M119	X	-9.821	-9.821	0	%100 %100
98	M119	Z	-5.67	-5.67	0	%100 %100
99	M120	X	-2.455	-2.455	Ů	%100
100	M120	Z	-1.417	-1.417	ñ	%100
101	M121	X	-10,435	-10,435	ñ	%100 %100
102	M121	Z	-6.025	-6.025	Ŏ	%100 %100
103	M123A	X	-10.435	-10.435	ñ	%100 %100
104	M123A	Z	-6.025	-6.025	Ů.	%100 %100
105	M125	X	-5.128	-5.128	0	%100
106	M125	Z	-2.961	-2.961	Ö	%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	M48	X	-1.686	-1.686	0	%100
2	M48	Z	-2.92	-2.92	0	%100
3	M53	X	-6.412	-6.412	0	%100
4	M53	Z	-11.107	-11,107	0	%100
5	M54	X	-6.412	-6.412	0	%100
6	M54	Z	-11,107	-11.107	0	%100
7	M62	X	388	388	0	%100
8	M62	Z	672	672	0	%100
9	M63	X	435	435	0	%100
10	M63	Z	753	753	0	%100
11	M66	X	-2.514	-2.514	0	%100
12	M66	Z	-4.354	-4.354	0	%100
13	M67	X	0	0	0	%100 %100
14	M67	Z	0	0	Ö	%100 %100
15	M200	X	-4.108	-4.108	0	%100 %100
16	M200	Z	-7.116	-7.116	0	%100 %100
17	MP4A	X	-3.717	-3.717	0	%100 %100
18	MP4A	Z	-6.438	-6.438	Ö	%100 %100
19	MP3A	X	-3.717	-3.717	0	%100 %100
20	MP3A	Z	-6.438	-6.438	Ö	%100 %100
21	MP2A	X	-4.5	-4.5	0	%100 %100
22	MP2A	Z	-7.793	-7.793	Ŏ	%100 %100
23	MP1A	X	-3.717	-3.717	0	%100 %100
24	MP1A	Z	-6.438	-6.438	0	%100 %100
25	M37	X	-5.869	-5.869	0	%100 %100
26	M37	Z	-10.166	-10.166	0	%100 %100
27	M38	X	-5.869	-5.869	0	%100 %100
28	M38	Z	-10.165	-10,165	0	%100 %100
29	M36A	X	-6.744	-6.744	0	%100 %100
30	M36A	Z	-11.681	-11.681	Ŏ O	%100 %100
31	M39A	X	0	0	0	%100 %100
32	M39A	Z	0	Ö	0	%100 %100
33	M40A	X	0	0	0	%100 %100
34	M40A	Z	0	0	0	%100 %100
35	M48A	X	0	0	0	%100 %100
36	M48A	Z	0	0	0	%100 %100
37	M49A	X	0	0	0	%100 %100
38	M49A	Z	0	0	0	%100 %100
39	M50	X	-2.514	-2.514	0	%100 %100
40	M50	Z	-4.354	-4.354	0	%100 %100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.		End Location[ft,%]
41	M51A	X	-2.514	-2.514	0	%100
42	M51A	Z	-4.354	-4.354	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	0	0	0	%100
45	M54A	X	0	0	0	%100
46	M54A	Z	0	0	0	%100
47	OVP2	X	-3.717	-3.717	0	%100
48	OVP2	Z	-6.438	-6.438	0	%100
49	M60A	X	-1.686	-1.686	0	%100
50	M60A	Z	-2.92	-2.92	0	%100
51	M63A	X	-6.412	-6.412	0	%100
52	M63A	Z	-11.107	-11.107	0	%100
53	M64	X	-6.412	-6.412	0	%100
54	M64	Z	-11.107	-11.107	0	%100
55	M72	X	388	388	0	%100
56	M72	Z	672	672	0	%100
57	M73	X	435	435	0	%100
58	M73	Z	-,753	753	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	0	0	0	%100
	M75	X	-2.514	-2.514	0	%100
61	M75	Z	-4.354	-4.354	0	%100
	M77	X	-5.869	-5.869	0	%100
63	M77	Z	-10.165	-10.165	0	%100
64	M78	X	-5.869	-5.869	0	%100
65	M78	Z	-10.165	-10.165	0	%100
66	M82	X	0	0	0	%100
67	M82	Z	Ō	0	0	%100
68	MP4C	X	-3.717	-3.717	0	%100
69	MP4C	Z	-6.438	-6.438	0	%100
70	MP3C	X	-3.717	-3.717	0	%100
71		Z	-6.438	-6.438	0	%100
72	MP3C	X	-4.5	-4.5	0	%100
73	MP2C	Z	-7.793	-7.793	0	%100
74	MP2C	X	-3.717	-3.717	0	%100
75	MP1C	Z	-6.438	-6.438	0	%100
76	MP1C	X	-4.108	-4.108	0	%100
77	M91	Ž	-7.116	-7.116	0	%100
78	M91	X	-3.717	-3.717	0	%100
79	MP4B	Ž	-6.438	-6.438	0	%100
80	MP4B		-3.717	-3.717	0	%100
81	MP3B	Z	-6.438	-6.438	0	%100
82	MP3B		-4.5	-4.5	0	%100
83	MP2B	X	-7.793	-7.793	0	%100
84	MP2B	Z	-3.717	-3.717	0	%100
85	MP1B	X	-6.438	-6.438	0	%100
86	MP1B	Z		-3.387	0	%100
87	OVP1	X	-3.387	-5.867	0	%100
88	OVP1	Z	-5.867	-3.375	0	%100
89	M97	X	-3.375	-5.845	0	%100
90	M97	Z	-5.845	-5.845	0	%100
91	M102	X	0	0	0	%100 %100
92	M102	Z	0		0	%100
93	M107	X	-3.375	-3.375	0	%100 %100
94	M107	Z	-5.845	-5.845	0	%100 %100
95	M118	X	0	0	0	%100 %100
96	M118	Z	0	0	0	%100 %100
97	M119	X	-4.252	-4.252		70100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
98	M119	Z	-7.366	-7.366	0	%100
99	M120	X	-4.252	-4.252	0	%100 %100
100	M120	Z	-7.365	-7.365	0	%100 %100
101	M121	X	-3.982	-3.982	0	%100 %100
102	M121	Z	-6.897	-6.897	0	%100
103	M123A	X	-7.046	-7.046	0	%100
104	M123A	Z	-12.204	-12.204	0	%100
105	M125	X	-3.982	-3.982	0	%100 %100
106	M125	Z	-6.897	-6.897	0	%100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
1	M48	X	0	0	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	Ö	%100
4	M53	Z	-3.876	-3.876	0	%100
5	M54	X	0	0	0	%100
6	M54	Z	-3.876	-3.876	Ö	%100
7	M62	X	0	0	0	%100 %100
8	M62	Z	-1.089	-1.089	0	%100
9	M63	X	0	0	0	%100 %100
10	M63	Z	-1.227	-1.227	0	%100 %100
11	M66	X	0	0	0	%100 %100
12	M66	Z	558	558	0	%100 %100
13	M67	X	0	0	0	%100 %100
14	M67	Z	558	558	0	%100 %100
15	M200	X	0	0	0	%100 %100
16	M200	Z	-3.123	-3.123	0	%100 %100
17	MP4A	X	0.120	0	0	%100 %100
18	MP4A	Z	-2.512	-2.512	0	%100 %100
19	MP3A	X	0	0	0	%100 %100
20	MP3A	Z	-2.512	-2.512	0	%100 %100
21	MP2A	X	0	-2.512	0	
22	MP2A	Z	-2.784	-2.784	0	%100 %100
23	MP1A	X	0	0	0	%100 %100
24	MP1A	Z	-2.512	-2.512	0	%100 %100
25	M37	X	0	0	0	
26	M37	Z	-3.43	-3.43	0	%100 %400
27	M38	X	0	-3.43	0	%100
28	M38	Z	-3.43	-3.43		%100
29	M36A	X	0	-3.43	0	%100 %400
30	M36A	Z	-2.672	-2.672		%100
31	M39A	X	-2.012	-2.672	0	%100
32	M39A	Z	969	969	0	%100
33	M40A	X	909			%100
34	M40A	Z	969	969	0	%100
35	M48A	X	909			%100
36	M48A	Z	272	0	0	%100
37	M49A	X	0	272	0	%100
38	M49A	Z	307	0	0	%100
39	M50	X	307	307	0	%100
40	M50	Z	-2.232	0	0	%100
41	M51A	X		-2.232	0	%100
42	M51A	Z	0	0	0	%100
43	M53A	X	558	558	0	%100
44	M53A	Ž	0	0	0	%100
74	IVIOOA		857	857	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft.F	Start Location[ft,%]	End Location[ft.%
45	M54A	X	0	0	0	%100
46	M54A	Ž	857	857	0	%100
	OVP2	X	0	0	0	%100
47		Ž	-2.512	-2.512	0	%100
48	OVP2	X	0	0	0	%100
49	M60A	Ž	-2.672	-2.672	0	%100
50	M60A		0	0	0	%100
51	M63A	X	969	969	0	%100
52	M63A	Z		0	Ö	%100
53	M64	X	0	969	0	%100
54	M64	Z	969		0	%100
55	M72	X	0	272	Ö	%100
56	M72	Z	272		0	%100
57	M73	X	0	0	0	%100
58	M73	Z	307	307		%100 %100
59	M74	X	0	0	0	
60	M74	Z	558	558	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	-2.232	-2.232	0	%100
	M77	X	0	0	0	%100
63	M77	Z	857	857	0	%100
64		X	0	0	0	%100
65	M78	Z	857	857	0	%100
66	M78		0	0	0	%100
67	M82	X	781	781	0	%100
68	M82	Z	/61	0	0	%100
69	MP4C	X		-2.512	0	%100
70	MP4C	Z	-2.512		0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	-2.512	-2.512		%100 %100
73	MP2C	X	0	0	0	%100 %100
74	MP2C	Z	-2.784	-2.784	0	
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-2.512	-2.512	0	%100
	M91	X	0	0	0	%100
77	M91	Z	781	781	0	%100
78		X	0	0	0	%100
79	MP4B	Z	-2.512	-2.512	0	%100
80	MP4B		0	0	0	%100
81	MP3B	X	-2.512	-2.512	0	%100
82	MP3B	Z		0	0	%100
83	MP2B	X	0 704	-2.784	Ö	%100
84	MP2B	Z	-2.784		0	%100
85	MP1B	X	0	0 540		%100
86	MP1B	Z	-2.512	-2.512	0	%100
87	OVP1	X	0	0	0	
88	OVP1	Z	-2.315	-2,315	0	%100
89	M97	X	0	0	0	%100
90	M97	Z	-2.784	-2.784	0	%100
	M102	X	0	0	0	%100
91		Ž	696	696	0	%100
92	M102	X	0	0	0	%100
93	M107	Ž	696	696	0	%100
94	M107		090	0	0	%100
95	M118	X		72	Ŏ	%100
96	M118	Z	72		0	%100
97	M119	X	0	0	0	%100
98	M119	Z	72	72		%100 %100
99	M120	X	0	0	0	%100 %100
100	M120	Z	-2.88	-2.88	0	%100 %100
101	M121	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft.	End Magnitude(lb/ft F	Start Location(ft,%)	End Location[ft,%]
102	M121	Z	-1.312	-1.312	Otali Location[11,76]	%100
103 104	M123A	X	0	0	Ď.	%100 %100
104	M123A	Z	-3.079	-3.079	0	%100 %100
105	M125	X	0	0.070	0	%100 %100
106	M125	Z	-3.079	-3.079	0	%100

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

1	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
2	M48	X	.445	.445	0	%100
	M48	Z	771	771	0	%100
3	M53	X	1.454	1.454	0	%100
4	M53	Z	-2.518	-2.518	0	%100
5	M54	X	1.454	1.454	0	%100
6	M54	Z	-2.518	-2.518	0	%100
7	M62	X	.408	.408	0	%100
8	M62	Z	707	707	0	%100
9	M63	X	.46	.46	0	%100
10	M63	Z	797	797	0	%100
11	M66	X	0	0	0	%100
12	M66	Z	0	0	0	%100
13	M67	X	.837	.837	0	%100
14	M67	Z	-1.45	-1.45	0	%100
15	M200	X	1.171	1,171	0	%100
16	M200	Z	-2.029	-2.029	0	%100
17	MP4A	X	1.256	1.256	Ō	%100
18	MP4A	Z	-2.175	-2.175	Ö	%100 %100
19	MP3A	X	1.256	1.256	Ö	%100 %100
20	MP3A	Z	-2.175	-2.175	Ŏ	%100
21	MP2A	X	1.392	1.392	0	%100 %100
22	MP2A	Z	-2.411	-2.411	ŏ	%100 %100
23	MP1A	X	1.256	1.256	Ö	%100 %100
24	MP1A	Z	-2.175	-2.175	o l	%100 %100
25	M37	X	1.286	1.286	0	%100 %100
26	M37	Z	-2.227	-2.227	0	%100 %100
27	M38	X	1.286	1.286	0	%100 %100
28	M38	Z	-2.228	-2.228	0	%100 %100
29	M36A	X	.445	.445	0	%100 %100
30	M36A	Z	771	771	0	%100 %100
31	M39A	X	1.454	1.454	0	%100 %100
32	M39A	Z	-2.518	-2.518	0	
33	M40A	X	1.454	1.454	0	%100
34	M40A	Z	-2.518	-2.518	0	%100
35	M48A	X	.408	.408	0	%100
36	M48A	Z	707	707	0	%100
37	M49A	X	.46	.46		%100
38	M49A	Z	797	797	0	%100
39	M50	X	.837	.837	0	%100
10	M50	Ž	-1.45	-1.45	0	%100
11	M51A	X	0		0	%100
2	M51A	Z	0	0	0	%100
13	M53A	X	1.286	0	0	%100
4	M53A	Z		1.286	0	%100
15	M54A	X	-2.228	-2.228	0	%100
16	M54A		1.286	1.286	0	%100
17	OVP2	Z	-2.228	-2.228	0	%100
18	OVP2 OVP2	X 7	1.256	1.256	0	%100
10 L	UVFZ		-2.175	-2.175	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.%
49	M60A	X	1.781	1.781	0	%100 %100
50	M60A	Z	-3.086	-3.086	0	
51	M63A	X	0	0	0	%100
52	M63A	Z	0	0	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	0	0	0	%100
55	M72	X	0	0	0	%100
56	M72	Z	0	0	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	0	0	0	%100
59	M74	X	.837	.837	0	%100
30	M74	Z	-1.45	-1.45	0	%100
31	M75	X	.837	.837	0	%100
32	M75	Z	-1.45	-1.45	0	%100
33	M77	X	0	0	0	%100
64	M77	Z	0	0	0	%100
65	M78	X	0	0	0	%100
36	M78	Z	0	0	0	%100
37	M82	X	1.171	1.171	0	%100
38	M82	Z	-2.029	-2.029	0	%100
59	MP4C	X	1.256	1.256	0	%100
70	MP4C	Z	-2.175	-2.175	0	%100
71	MP3C	X	1.256	1.256	0	%100
72	MP3C	Z	-2.175	-2.175	0	%100
73	MP2C	X	1.392	1.392	0	%100
74	MP2C	Z	-2.411	-2.411	0	%100
75	MP1C	X	1.256	1.256	0	%100_
76	MP1C	Z	-2.175	-2.175	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	0	0	0	%100
79	MP4B	X	1.256	1.256	0	%100
30	MP4B	Z	-2.175	-2.175	0	%100
81	MP3B	X	1.256	1.256	0	%100
32	MP3B	Z	-2.175	-2.175	0	%100
33	MP2B	X	1.392	1.392	0	%100_
84	MP2B	Z	-2.411	-2.411	0	%100
35	MP1B	X	1.256	1.256	0	%100
36	MP1B	Z	-2.175	-2.175	0	%100
87	OVP1	X	1.158	1.158	0	%100
88	OVP1	Z	-2,005	-2.005	0	%100
39	M97	X	1.044	1.044	0	%100
90	M97	Z	-1.808	-1.808	0	%100
91	M102	X	1.044	1.044	0	%100
92	M102	Z	-1.808	-1.808	0	%100
93	M107	X	0	0	0	%100
94	M107	Z	0	0	0	%100
95	M118	X	1.08	1.08	0	%100
96	M118	Z	-1.871	-1.871	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	0	0	0	%100
99	M120	X	1.08	1.08	0	%100
100	M120	Ž	-1.871	-1.871	0	%100
101	M121	X	.95	.95	0	%100
102	M121	Z	-1.646	-1.646	0	%100
103	M123A	X	.95	.95	0	%100
104	M123A	Z	-1.646	-1.646	0	%100
104	M125	X	1.834	1.834	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,%]
106	M125	Z	-3.176	-3.176	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft.9
1	M48	X	2.314	2.314	0	%100
2	M48	Z	-1.336	-1.336	0	%100
3	M53	X	.839	.839	0	%100 %100
4	M53	Z	485	485	0	%100
5	M54	X	.839	.839	0	%100
6	M54	Z	485	485	0	%100
7	M62	X	.236	.236	0	%100 %100
8	M62	Z	136	136	0	%100 %100
9	M63	X	.266	.266	Ö	%100
10	M63	Z	153	153	0	%100
11	M66	X	.483	.483	0	%100
12	M66	Z	279	279	0	%100
13	M67	X	1.933	1.933	0	%100 %100
14	M67	Z	-1.116	-1.116	Ö	%100 %100
15	M200	X	.676	.676	0	%100 %100
16	M200	Z	39	39	Ő	%100 %100
17	MP4A	X	2.175	2.175	o l	%100 %100
18	MP4A	Z	-1.256	-1.256	Ö	%100 %100
19	MP3A	X	2.175	2.175	0	%100 %100
20	MP3A	Z	-1.256	-1.256	0	%100
21	MP2A	X	2.411	2.411	0	%100 %100
22	MP2A	Z	-1.392	-1.392	ő	%100 %100
23	MP1A	X	2.175	2.175	0	%100 %100
24	MP1A	Z	-1.256	-1.256	Ö	%100 %100
25	M37	X	.742	.742	0	%100 %100
26	M37	Z	429	429	0	%100 %100
27	M38	X	.743	.743	Ö	%100 %100
28	M38	Z	429	429	Ö	%100 %100
29	M36A	X	0	0	0	%100 %100
30	M36A	Z	0	0	0	%100 %100
31	M39A	X	3.357	3.357	0	%100 %100
32	M39A	Z	-1.938	-1.938	0	%100 %100
33	M40A	X	3.357	3.357	0	%100 %100
34	M40A	Z	-1.938	-1.938	0	%100 %100
35	M48A	X	.943	.943	0	%100 %100
36	M48A	Z	544	544	0	%100 %100
37	M49A	X	1.062	1.062	0	%100 %100
38	M49A	Z	613	613	0	%100 %100
39	M50	X	.483	.483	0	%100 %100
10	M50	Z	279	279	0	%100 %100
11	M51A	X	.483	.483	0	%100 %100
12	M51A	Z	279	279	0	%100 %100
13	M53A	X	2.97	2.97	0	%100 %100
14	M53A	Z	-1.715	-1.715	0	%100 %100
15	M54A	X	2.97	2.97	0	%100 %100
16	M54A	Z	-1.715	-1.715	0	%100 %100
7	OVP2	X	2.175	2.175	0	
18	OVP2	Z	-1.256	-1.256	0	%100 %100
19	M60A	X	2.314	2.314	0	%100 %100
0	M60A	Z	-1.336	-1.336	0	%100 %100
51	M63A	X	.839	.839	0	%100
2	M63A	Z	485	485	0	%100 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%
53	M64	X	.839	.839	0	%100 %100
54	M64	Z	485	485	0	%100 %100
55	M72	X	.236	.236	0	
56	M72	Z	136	136	0	%100
57	M73	X	.266	.266	0	%100
58	M73	Z	153	153	0	%100
59	M74	X	1.933	1.933	0	%100
60	M74	Z	-1.116	-1.116	0	%100
61	M75	X	.483	.483	0	%100
62	M75	Z	279	279	0	%100
63	M77	X	743	.743	0	%100
64	M77	Z	429	429	0	%100
65	M78	X	.743	.743	0	%100
66	M78	Z	429	429	0	%100
67	M82	X	2.705	2.705	0	%100
68	M82	Z	-1.562	-1.562	0	%100
69	MP4C	X	2.175	2.175	0	%100
70	MP4C	Z	-1.256	-1.256	0	%100
71	MP3C	X	2.175	2.175	0	%100
72	MP3C	Z	-1.256	-1.256	0	%100
73	MP2C	X	2.411	2.411	0	%100
74	MP2C	Z	-1.392	-1.392	0	%100
75	MP1C	X	2.175	2.175	0	%100
76	MP1C	Z	-1.256	-1.256	0	%100
77	M91	X	.676	.676	0	%100
78	M91	Z	39	39	0	%100
79	MP4B	X	2.175	2.175	0	%100
	MP4B	Z	-1.256	-1.256	0	%100
80	MP3B	X	2.175	2.175	0	%100
81	MP3B	Z	-1.256	-1.256	0	%100
83	MP2B	X	2.411	2.411	0	%100
	MP2B	Z	-1.392	-1.392	0	%100
84 85	MP1B	X	2.175	2.175	0	%100
	MP1B	Z	-1.256	-1.256	0	%100
86	OVP1	X	2.005	2.005	0	%100
87	OVP1	Z	-1.158	-1.158	0	%100
88	M97	X	.603	.603	0	%100
89		Z	348	348	0	%100
90	M97 M102	X	2.411	2.411	0	%100
91		Z	-1.392	-1.392	0	%100
92	M102	X	.603	.603	0	%100
93	M107	Ž	348	348	0	%100
94	M107	X	2.495	2.495	0	%100
95	M118	Ž	-1.44	-1.44	0	%100
96	M118	X	.624	.624	0	%100
97	M119	Ž	36	36	0	%100
98	M119	X	.624	.624	0	%100
99	M120		36	36	0	%100
100	M120	Z	2.666	2.666	0	%100
101	M121	Z	-1.539	-1.539	0	%100
102	M121		1.136	1.136	0	%100
103	M123A	X Z	656	656	0	%100
104	M123A		2.666	2.666	0	%100
105	M125	X	-1.539	-1.539	0	%100

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



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

1	Member Label M48	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.		End Location[ft,%]
2	M48	X	3.563	3.563	0	%100
3		Z	0	0	0	%100
4	M53 M53	X	0	0	0	%100
5		Z	0	0	0	%100
	M54	X	0	0	0	%100
7	M54	Z	0	0	0	%100
	M62	X	0	0	0	%100
8	M62	Z	0	0	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	0	0	0	%100
11	M66	X	1.674	1.674	0	%100
12	M66	Z	0	0	0	%100
13	M67	X	1.674	1.674	0	%100
14	M67	Z	0	0	0	%100
15	M200	X	0	0	0	%100
16	M200	Z	0	0	0	%100
17	MP4A	X	2.512	2.512	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	2.512	2.512	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	2.784	2.784	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	2.512	2.512	0	%100
24	MP1A	Z	0	0	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M36A	X	.891	.891	0	%100
30	M36A	Z	0	0	0	%100
31	M39A	X	2.907	2.907	0	%100
32	M39A	Z	0	0	0	%100
33	M40A	X	2.907	2.907	Ö	%100
34	M40A	Z	0	0	Ö	%100
35	M48A	X	.817	.817	0	%100
36	M48A	Z	0	0	Ö	%100
37	M49A	X	.92	.92	0	%100 %100
38	M49A	Z	0	0	Ö	%100 %100
39	M50	X	0	Ŏ	0	%100 %100
40	M50	Z	0	0	Ö	%100 %100
41	M51A	X	1.674	1.674	0	%100 %100
42	M51A	Z	0	0	0	%100 %100
43	M53A	X	2.572	2.572	0	%100
44	M53A	Z	0	0	0	%100
45	M54A	X	2.572	2.572	0	%100 %100
46	M54A	Z	0	0	0	%100 %100
47	OVP2	X	2.512	2.512	0	%100 %100
48	OVP2	Z	0	0	0	%100 %100
49	M60A	X	.891	.891	0	%100 %100
50	M60A	Z	0	0	0	%100 %100
51	M63A	X	2.907	2.907	0	
52	M63A	Z	2.907	2.907	0	%100 %100
53	M64	X	2.907	2.907		%100 %100
54	M64	Z	0	2.907	0	%100
55	M72	X	.817	.817		<u>%100</u>
56	M72	Z	0		0	%100
57	M73	X	.92	.92	0	%100 %100



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: Project No. 10207129

: 5000382428-VZW_MT_LO_H

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
58	M73	Z	0	0	0	%100
59	M74	X	1.674	1.674	00	%100
60	M74	Z	0	0	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	0	0	0	%100
63	M77	X	2.572	2.572	0	%100
	M77	Z	0	0	0	%100
65	M78	X	2.572	2.572	0	%100
66	M78	Z	0	0	0	%100
67	M82	X	2.343	2.343	0	%100
	M82	Ž	0	0	0	%100
68	MP4C	X	2.512	2.512	0	%100
69	MP4C	Z	0	0	0	%100
70	MP3C	X	2.512	2.512	0	%100
71	MP3C	Z	0	0	0	%100
72	MP3C MP2C	X	2.784	2.784	0	%100
73		Z	0	0	0	%100
74	MP2C	X	2.512	2.512	0	%100
75	MP1C	Z	0	0	0	%100
76	MP1C	X	2.343	2.343	0	%100
77	M91	Ž	0	0	0	%100
78	M91	X	2.512	2.512	0	%100
79	MP4B	Ž	0	0	0	%100
80	MP4B	X	2.512	2.512	0	%100
81	MP3B	Ž	0	0	0	%100
82	MP3B	X	2.784	2.784	0	%100
83	MP2B	Ž	0	0	0	%100
84	MP2B	X	2.512	2.512	0	%100
85	MP1B	Ž	0	0	0	%100
86	MP1B	X	2.315	2.315	0	%100
87	OVP1		0	0	0	%100
88	OVP1	Z	0	Ŏ	0	%100
89	M97		0	Ö	0	%100
90	M97	Z	2,088	2.088	0	%100
91	M102	X	0	0	0	%100
92	M102	Z	2.088	2.088	0	%100
93	M107	X	0	0	0	%100
94	M107	Z	2.16	2.16	0	%100
95	M118	X		0	0	%100
96	M118	Z	0	2.16	Ö	%100
97	M119	X	2.16	0	Ö	%100
98	M119	Z	0	0	Ö	%100
99	M120	X	0	0	Ö	%100
100	M120	Z		3.668	0	%100
101	M121	X	3.668	3.000	0	%100
102	M121	Z	0	1.901	0	%100
103	M123A	X	1.901	1.901	0	%100
104	M123A	Z	0	1.901	0	%100
105	M125	X	1.901		0	%100
106	M125	Z	0	0	U	70100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft.%] %100
1	M48	X	2.314	2.314	<u> </u>	
2	M48	Z	1.336	1.336	0	%100
2		Y	.839	.839	0	%100
3	M53	7	.485	.485	0	%100
4	M53		1 400	.100		



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

5	Member Label M54	Direction X	Start Magnitude[lb/ft839	.End Magnitude[lb/ft,F.,	The same of the sa	End Location[ft,%]
6	M54	Ž	.485	.839	0	%100
7	M62	X	.236	.485	0	%100
8	M62	Z		.236	0	%100
9	M63	X	.136	.136	0	%100
10	M63		.266	.266	0	%100
11	M66	Z	.153	.153	0	%100
12	M66	X	1.933	1.933	0	%100
13		Z	1.116	1.116	0	%100
14	M67 M67	X	.483	.483	0	%100
15		Z	.279	.279	0	%100
16	M200	X	.676	.676	0	%100
17	M200	Z	.39	.39	0	%100
	MP4A	X	2.175	2.175	0	%100
18	MP4A	Z	1.256	1.256	0	%100
19	MP3A	X	2.175	2.175	0	%100
20	MP3A	Z	1.256	1.256	0	%100
21	MP2A	X	2.411	2.411	0	%100
22	MP2A	Z	1.392	1.392	0	%100
23	MP1A	X	2.175	2.175	0	%100
24	MP1A	Z	1.256	1.256	0	%100
25	M37	X	.743	.743	0	%100
26	M37	Z	.429	.429	0	%100
27	M38	X	.743	.743	0	%100
28	M38	Z	.429	.429	0	%100
29	M36A	X	2.314	2.314	0	%100
30	M36A	Z	1.336	1.336	0	%100
31	M39A	X	.839	.839	0	%100
32	M39A	Z	.485	.485	Ö	%100 %100
33	M40A	X	.839	.839	0	%100
34	M40A	Z	.485	.485	Ö	%100 %100
35	M48A	X	.236	.236	0	%100 %100
36	M48A	Z	.136	.136	0	%100
37	M49A	X	.266	.266	0	%100 %100
38	M49A	Z	.153	.153	0	%100 %100
39	M50	X	.483	.483	0	%100 %100
40	M50	Z	.279	.279	0	%100 %100
41	M51A	X	1.933	1.933	0	
42	M51A	Z	1.116	1.116	0	%100 %100
43	M53A	X	.742	.742	0	%100
44	M53A	Z	.429	.429	0	%100 %400
45	M54A	X	.743	.743	0	%100 %400
46	M54A	Z	.429	.429	0	%100
47	OVP2	X				%100
48	OVP2	Z	2.175 1.256	2.175 1.256	0	%100
49	M60A	X	0	0	0	%100
50	M60A	Ž	0		0	%100
51	M63A	X	3.357	0	0	%100
52	M63A	Ž		3.357	0	%100
53	M64	X	1.938	1.938	0	%100
54	M64	Z	3.357	3.357	0	%100
55	M72	X	1.938	1.938	0	%100
56	M72	Z	.943	.943	0	%100
57	M73		.544	.544	0	%100
58	M73	Z	1.062	1.062	0	%100
59	M74		.613	.613	0	%100
60	M74	Z	.483	.483	0	%100
61	M75		.279	.279	0	%100
UL	C IVI	X	.483	.483	0	%100



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

	Member Label	Direction		End Magnitudeflb/ft,F	Start Location[11,%]	End Location[ft,% %100
62	M75	Z	.279	.279	0	%100 %100
63	M77	X	2.97	2.97		%100 %100
64	M77	Z	1.715	1.715	0	%100 %100
65	M78	X	2.97	2.97	0	%100 %100
66	M78	Z	1.715	1.715	0	%100 %100
67	M82	X	.676	.676	0	
68	M82	Z	.39	.39	0	%100
69	MP4C	X	2.175	2.175	0	%100
70	MP4C	Z	1.256	1.256	0	%100
71	MP3C	X	2.175	2.175	0	%100
72	MP3C	Z	1.256	1.256	0	%100
73	MP2C	X	2.411	2.411	0	%100
74	MP2C	Z	1.392	1.392	0	%100
75	MP1C	X	2.175	2.175	. 0	%100
76	MP1C	Z	1.256	1.256	0	%100
	M91	X	2.705	2.705	0	%100
77	M91	Z	1.562	1.562	0	%100
78	MP4B	X	2.175	2.175	0	%100
79		Ž	1.256	1.256	0	%100
80	MP4B	X	2.175	2.175	0	%100
81	MP3B	Ž	1.256	1.256	0	%100
82	MP3B	X	2.411	2.411	0	%100
83	MP2B	Ž	1.392	1.392	0	%100
84	MP2B	X	2.175	2.175	0	%100
85	MP1B	Ž	1.256	1.256	0	%100
86	MP1B		2.005	2.005	0	%100
87	OVP1	X	1.158	1.158	0	%100
88	OVP1	Z	.603	.603	0	%100
89	M97	X	.348	.348	0	%100
90	M97	Z	.603	.603	Ö	%100
91	M102	X	.348	.348	Ů,	%100
92	M102	Z		2.411	Ŏ	%100
93	M107	X	2.411	1.392	Ö	%100
94	M107	Z	1.392	.624	Ö	%100
95	M118	X	.624	.36	0	%100
96	M118	Z	.36	2.495	0	%100
97	M119	X	2.495	1.44	0	%100
98	M119	Z	1.44		0	%100 %100
99	M120	X	.624	.624	0	%100 %100
100	M120	Z	.36	.36	0	%100
101	M121	X	2.666	2.666		%100
102	M121	Z	1.539	1.539	0	%100 %100
103	M123A	X	2.666	2.666	0	%100 %100
104	M123A	Z	1.539	1.539	0	
105	M125	X	1.136	1.136	0	%100
106	M125	Z	.656	.656	0	%100

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

		Start MagnitudeIlb/ft.	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
	V		445	0	%100
- United Section 1		200000000000000000000000000000000000000		0	%100
				0	%100
M53	X			Ŏ	%100
M53	Z			0	%100
M54	X			0	
	Z	2.518		0	%100
	X	.408	.408	0	%100
	7	.707	.707	0	%100
•	Member Label M48 M48 M53 M53 M54 M54 M62	Member Label Direction M48 X M48 Z M53 X M53 Z M54 X M54 Z M62 X	Member Label Direction Start Magnitude[lb/ft M48 X .445 M48 Z .771 M53 X 1.454 M53 Z 2.518 M54 X 1.454 M54 Z 2.518 M54 Z 2.518	M48 X .445 .445 M48 Z .771 .771 M53 X 1.454 1.454 M53 Z 2.518 2.518 M54 X 1.454 1.454 M54 Z 2.518 2.518 M62 X .408 .408 M62 X .408 .707	Member Label Direction Start Magnitude[lb/ft



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

9	Member Label M63	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
10	M63	X	.46	.46	0	%100
11	M66	Z	.797	.797	0	%100
12	M66	X	.837	.837	0	%100
13	M67	Z	1.45	1.45	0	%100
14	M67	X	0	0	0	%100
15		Z	0	0	0	%100
	M200	X	1.171	1.171	0	%100
16	M200	Z	2.029	2.029	0	%100
18	MP4A	X	1.256	1.256	0	%100
	MP4A	Z	2.175	2.175	0	%100
19	MP3A	X	1.256	1.256	0	%100
21	MP3A	Z	2.175	2.175	0	%100
	MP2A	X	1.392	1.392	0	%100
22	MP2A	Z	2.411	2.411	0	%100
23	MP1A	X	1.256	1.256	0	%100
24	MP1A	Z	2.175	2.175	0	%100
25	M37	X	1.286	1.286	0	%100
26	M37	Z	2.228	2.228	0	%100
27	M38	X	1.286	1.286	0	%100
28	M38	Z	2.228	2.228	0	%100
29	M36A	X	1.781	1.781	0	%100
30	M36A	Z	3.086	3.086	0	%100
31	M39A	X	0	0	0	%100
32	M39A	Z	0	0	0	%100
33	M40A	X	0	0	0	%100
34	M40A	Z	0	0	0	%100
35	M48A	X	0	0	0	%100
36	M48A	Z	0	0	0	%100
37	M49A	X	0	0	0	%100
38	M49A	Z	0	0	0	%100
39	M50	X	.837	.837	0	%100
40	M50	Z	1.45	1.45	0	%100
41	M51A	X	.837	.837	0	%100
42	M51A	Z	1.45	1.45	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	0	0	0	%100
45	M54A	X	0	0	0	%100
46	M54A	Z	0	- 0	0	%100
47	OVP2	X	1.256	1.256	0	%100
48	OVP2	Z	2.175	2.175	0	%100
49	M60A	X	.445	.445	0	%100
50	M60A	Z	.771	.771	0	%100
51	M63A	X	1.454	1.454	0	%100
52	M63A	Z	2.518	2.518	0	%100
53	M64	X	1.454	1.454	0	%100
54	M64	Z	2.518	2.518	ŏ	%100 %100
55	M72	X	.408	.408	0	%100
56	M72	Z	.707	.707	Ö	%100
57	M73	X	.46	.46	Ö	%100 %100
58	M73	Z	.797	.797	Ö	%100 %100
59	M74	X	0	0	0	%100 %100
60	M74	Z	0	Ö	0	%100 %100
31	M75	X	.837	.837	0	%100 %100
62	M75	Z	1.45	1.45	0	%100 %100
33	M77	X	1.286	1.286	0	%100
64	M77	Z	2.227	2.227	0	%100
65	M78	X	1.286	1.286	0	%100 %100



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

	Member Label	Direction	Start Magnitude(lb/ft,	End Magnitude(lb/ft,F	Start Location[ft,%]	End Location[ft,%]
66	M78	Z	2.228	2,228	0	%100
67	M82	X	0	0	0	%100
	M82	Z	0	0	0	%100
68	MP4C	X	1.256	1.256	0	%100
69	MP4C	Z	2.175	2.175	0	%100
70	MP3C	X	1.256	1.256	0	%100
71		Z	2.175	2.175	0	%100
72	MP3C	X	1.392	1.392	0	%100
73	MP2C	Ž	2.411	2.411	0	%100
74	MP2C	X	1.256	1.256	0	%100
75	MP1C	Ž	2.175	2.175	0	%100
76	MP1C		1.171	1.171	0	%100
77	M91	X	2.029	2.029	0	%100
78	M91	Z	1.256	1.256	0	%100
79	MP4B	X		2,175	Ö	%100
80	MP4B	Z	2.175 1.256	1.256	0	%100
81	MP3B	X		2.175	Ö	%100
82	MP3B	Z	2.175	1.392	0	%100
83	MP2B	X	1,392	2.411	0	%100
84	MP2B	Z	2.411	1.256	0	%100
85	MP1B	X	1.256	2.175	0	%100
86	MP1B	Z	2.175	1.158	0	%100
87	OVP1	X	1.158		0	%100
88	OVP1	Z	2.005	2.005	0	%100
89	M97	X	1.044	1.044	0	%100
90	M97	Z	1.808	1.808	0	%100
91	M102	X	0	0	0	%100
92	M102	Z	0	0		%100 %100
93	M107	X	1.044	1.044	0	%100 %100
94	M107	Z	1.808	1.808	0	%100
95	M118	X	0	0	0	
96	M118	Z	0	0	0	%100 %100
97	M119	X	1.08	1.08	0	%100
98	M119	Z	1.871	1.871	0	%100
99	M120	X	1.08	1.08	0	%100
100	M120	Z	1.871	1.871	0	%100
101	M121	X	.95	.95	0	%100
102	M121	Ž	1.646	1.646	0	%100
	M123A	X	1.834	1.834	0	%100
103		Z	3.176	3.176	0	%100
104	M123A M125	X	.95	.95	0	%100
105	M125	Ž	1.646	1.646	0	%100

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

TOTTIO	er Distributed Lo		Start Magnitudellb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
	Member Label	Direction	Start Wagnitudeports	0	0	%100
1	M48	X	0	0	0	%100
2	M48	Z	U	0	0	%100
3	M53	X	0	0	0	
4	M53	Z	3.876	3.876	0	%100
	M54	X	0	0	0	%100
5	The state of the s	7	3.876	3.876	0	%100
6	M54	- Z	0.010	0	0	%100
7	M62		1.000	1.089	0	%100
8	M62		1.089	1.009	Ô	%100
9	M63	X	0	0	0	%100
10	M63	Z	1.227	1.227	0	
11	M66	X	0	0	0	%100
12	M66	Z	.558	.558	0	%100



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

10	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F.,	Start Location[ft.%]	End Location[ft,%]
13	M67	X	0	0	0	%100
14	M67	Z	.558	.558	0	%100
15	M200	X	0	0	0	%100
16	M200	Z	3.123	3.123	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	2.512	2.512	Ö	%100 %100
19	MP3A	X	0	0	0	%100 %100
20	MP3A	Z	2.512	2.512	0	%100 %100
21	MP2A	X	0	0	0	%100 %100
22	MP2A	Z	2.784	2.784	0	
23	MP1A	X	0	0	0	%100
24	MP1A	Z	2.512	2.512	0	%100
25	M37	X	0	0		%100
26	M37	Z	3.43	3.43	0	%100
27	M38	X	0		0	%100
28	M38	Z	3.43	0	0	%100
29	M36A	X		3.43	0	%100
30	M36A	Ž	0	0	0	%100
31	M39A	X	2.672	2.672	0	%100
32	M39A		0	0	0	%100
33	M40A	Z	.969	.969	0	%100
34		X	0	0	0	%100
35	M40A	Z	.969	.969	0	%100
	M48A	X	0	0	0	%100
36	M48A	Z	.272	.272	0	%100
37	M49A	X	0	0	0	%100
38	M49A	Z	.307	.307	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	2.232	2.232	0	%100
41	M51A	X	0	0	0	%100
42	M51A	Z	.558	.558	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	.857	.857	0	%100 %100
45	M54A	X	0	0	0	%100 %100
46	M54A	Z	.857	.857	Ö	%100 %100
47	OVP2	X	0	0	Ö	%100 %100
48	OVP2	Z	2.512	2.512	Ö	%100 %100
49	M60A	X	0	0	0	%100 %100
50	M60A	Z	2.672	2.672	0	%100 %100
51	M63A	X	0	0	0	
52	M63A	Z	.969	.969	0	%100
53	M64	X	0	0	0	%100
54	M64	Ž	.969	.969	0	<u>%100</u>
55	M72	X	0	0		%100
56	M72	Z	.272		0	%100
57	M73	X		.272	0	%100
58	M73	Z	0	0	0	%100
59	M74	X	.307	.307	0	%100
60	M74	Z	0	0	0	%100
61	M75		.558	.558	0	%100
62	M75	X	0	0	0	%100
63		Z	2.232	2.232	0	%100
	M77	X	0	0	0	%100
64	M77	Z	.857	.857	0	%100
65	M78	X	0	0	0	%100
66	M78	Z	.857	.857	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	.781	.781	0	%100
69	MP4C	X	0	0	0	%100 %100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.9
70	MP4C	Z	2.512	2.512	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	2.512	2.512	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	2.784	2.784	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	2.512	2.512	0	%100
77	M91	X	0	0	0	%100
	M91	7	.781	.781	0	%100
78	MP4B	X	0	0	0	%100
79		Ž	2.512	2.512	0	%100
80	MP4B	X	0	0	0	%100
81	MP3B	Ž	2.512	2.512	0	%100
82	MP3B	X	0	0	0	%100
83	MP2B	Ź	2.784	2.784	0	%100
84	MP2B	X	0	0	0	%100
85	MP1B	Ž	2.512	2.512	0	%100
86	MP1B		0	0	0	%100
87	OVP1	Z	2.315	2.315	0	%100
88	OVP1		2.313	0	0	%100
89	M97	X	2.784	2.784	0	%100
90	M97	Z	0	0	Ŏ	%100
91	M102	X		.696	Ŏ	%100
92	M102	Z	.696	.090	0	%100
93	M107	X	0	.696	o o	%100
94	M107	Z	.696	0	0	%100
95	M118	X	0		Ö	%100
96	M118	Z	.72	.72	0	%100 %100
97_	M119	X	0	.72	0	%100
98	M119	Z	.72	*	0	%100
99	M120	X	0	0	0	%100
100	M120	Z	2.88	2.88	0	%100
101	M121	X	0	0	0	%100 %100
102	M121	Z	1.312	1.312		%100 %100
103	M123A	X	0	0	0	%100 %100
104	M123A	Z	3.079	3.079	0	%100 %100
105	M125	X	0	0	0	
106	M125	Z	3.079	3.079	0	%100

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

	er Distributed Lo	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
	Member Label	Direction	445	- 445	0	%100
1	M48		771	.771	0	%100
2	M48	Z			0	%100
3	M53	X	-1.454	-1.454	0	%100
4	M53	Z	2.518	2.518		%100
5	M54	X	-1.454	-1.454	0	
6	M54	7	2.518	2.518	0	%100
7	M62	Y	408	408	0	%100
		Z	.707	.707	0	%100
8	M62		46	46	0	%100
9	M63			.797	0	%100
10	M63	Z	.797		0	%100
11	M66	X	0	0	0	%100
12	M66	Z	0	0	0	
13	M67	X	837	837	0	%100
14	M67	Z	1.45	1.45	0	%100
	M200	X	-1.171	-1.171	0	%100
15	M200	Z	2.029	2.029	0	%100



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

17	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft.F.	Start Location[ft,%]	End Location[ft.%]
	MP4A	X	-1.256	-1.256	0	%100
18	MP4A	Z	2.175	2.175	0	%100
19	MP3A	X	-1.256	-1.256	0	%100
20	MP3A	Z	2.175	2.175	0	%100
21	MP2A	X	-1.392	-1.392	0	%100
22	MP2A	Z	2.411	2.411	0	%100
23	MP1A	X	-1.256	-1.256	0	%100
24	MP1A	Z	2.175	2.175	0	%100
25	M37	X	-1.286	-1.286	0	%100
26	M37	Z	2.227	2.227	0	%100
27	M38	X	-1.286	-1.286	0	%100 %100
28	M38	Z	2.228	2.228	0	%100 %100
29	M36A	X	445	-,445	0	%100 %100
30	M36A	Z	.771	.771	Ö	%100 %100
31	M39A	X	-1.454	-1.454	0	
32	M39A	Z	2.518	2.518	Ö	%100
33	M40A	X	-1.454			%100
34	M40A	Z	2.518	-1.454	0	%100
35	M48A	X	408	2.518	0	%100
36	M48A	Ż	.707	408	0	%100
37	M49A	X		.707	0	%100
38	M49A	Ž	46	46	0	%100
39	M50		.797	.797	0	%100
40	M50	X	837	837	0	%100
41		Z	1.45	1.45	0	%100
42	M51A	X	0	0	0	%100
	M51A	Z	0	0	0	%100
43	M53A	X	-1.286	-1.286	0	%100
44	M53A	Z	2.228	2.228	0	%100
45	M54A	X	-1.286	-1.286	0	%100
46	M54A	Z	2.228	2.228	0	%100
47	OVP2	X	-1.256	-1.256	0	%100
48	OVP2	Z	2.175	2.175	0	%100
49	M60A	X	-1.781	-1.781	0	%100
50	M60A	Z	3.086	3.086	0	%100
51	M63A	X	0	0	0	%100
52	M63A	Z	0	0	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	0	Ö	0	%100 %100
55	M72	X	0	Ö	0	%100 %100
56	M72	Z	0	0	Ö	%100 %100
57	M73	X	0	Ö	0	%100 %100
58	M73	Z	0	Ö	Ö	%100 %100
59	M74	X	837	837		
60	M74	Z	1.45	1.45	0	%100 %100
61	M75	X	837	837	0	%100 %100
62	M75	Z	1.45	1.45		%100
63	M77	X	0		0	%100
64	M77	Ž	0	0	0	%100
65	M78	X		0	0	%100
66	M78	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82		-1.171	-1.171	0	%100
69	MP4C	Z	2.029	2.029	0	%100
70		X	-1.256	-1.256	0	%100
71	MP4C	Z	2.175	2.175	0	%100
	MP3C	X	-1.256	-1.256	0	%100
72	MP3C	Z	2.175	2.175	0	%100
73	MP2C	X	-1.392	-1.392	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
74	MP2C	Z	2.411	2.411	0	%100
75	MP1C	X	-1.256	-1.256	0	%100
76	MP1C	Z	2.175	2.175	0	%100
77	M91	X	0	0	0	%100
	M91	Z	0	0	0	%100
78	MP4B	X	-1.256	-1.256	0	%100
79	MP4B	Z	2.175	2.175	0	%100
80		X	-1.256	-1.256	0	%100
81	MP3B	Z	2.175	2.175	0	%100
82	MP3B	X	-1.392	-1.392	0	%100
83	MP2B	7	2.411	2.411	0	%100
84	MP2B		-1.256	-1.256	0	%100
85	MP1B	X 7	2.175	2.175	0	%100
86	MP1B		-1.158	-1.158	0	%100
87	OVP1	X		2.005	0	%100
88	OVP1	Z	2.005	-1.044	0	%100
89	M97	X	-1.044	1.808	0	%100
90	M97	Z	1.808		0	%100
91	M102	X	-1.044	-1.044	0	%100
92	M102	Z	1.808	1.808	0	%100 %100
93	M107	X	0	0		%100
94	M107	Z	0	0	0	%100
95	M118	X	-1.08	-1.08	0	
96	M118	Z	1.871	1.871	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	0	0	0	%100
99	M120	X	-1.08	-1.08	0	%100
100	M120	Z	1.871	1.871	0	%100
101	M121	X	95	95	0	%100
102	M121	Z	1.646	1.646	0	%100
103	M123A	X	95	95	0	%100
104	M123A	Z	1.646	1.646	0	%100
105	M125	X	-1.834	-1.834	0	%100
106	M125	7	3.176	3.176	0	%100

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

	er Distributed Lo	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
4 1	Member Label M48	Y	-2.314	-2.314	0	%100
1		7	1.336	1.336	0	%100
2	M48	X	839	839	0	%100
3	M53	7	.485	.485	0	%100
4	M53	\ \ \ \ \ \ \	839	839	0	%100
5	M54	7	.485	.485	0	%100
6	M54		236	236	0	%100
7	M62	X 7	.136	.136	0	%100
8	M62			266	0	%100
9	M63	<u> </u>	266		0	%100
10	M63	Z	.153	.153	0	%100
11	M66	X	483	483	0	%100
12	M66	Z	.279	.279	0	%100 %100
13	M67	X	-1.933	-1.933		%100 %100
14	M67	Z	1.116	1.116	0	
15	M200	X	676	676	U .	%100 %100
16	M200	Z	.39	.39	0	%100
17	MP4A	X	-2.175	-2.175	0	%100
18	MP4A	Z	1.256	1.256	0	%100
19	MP3A	X	-2.175	-2.175	0	%100
20	MP3A	Z	1.256	1.256	0	%100



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

24	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
21	MP2A	X	-2.411	-2.411	0	%100
22	MP2A	Z	1.392	1.392	0	%100
23	MP1A	X	-2.175	-2.175	0	%100
24	MP1A	Z	1.256	1.256	0	%100
25	M37	X	742	742	0	%100
26	M37	Z	.429	.429	0	%100
27	M38	X	743	743	0	%100
28	M38	Z	.429	.429	0	%100
29	M36A	X	0	0	0	%100
30	M36A	Z	0	0	0	%100
31	M39A	X	-3.357	-3.357	0	%100
32	M39A	Z	1.938	1.938	Ö	%100
33	M40A	X	-3.357	-3.357	Ō	%100 %100
34	M40A	Z	1.938	1.938	0	%100 %100
35	M48A	X	943	943	0	%100 %100
36	M48A	Z	.544	.544	0	%100 %100
37	M49A	X	-1.062	-1.062	0	%100 %100
38	M49A	Z	.613	.613	0	
39	M50	X	483	-,483		%100 %100
40	M50	Z	.279	.279	0	%100
41	M51A	X	483		0	%100
42	M51A	Ž		483	0	%100
43	M53A		.279	.279	0	%100
44	M53A	Z	-2.97	-2.97	0	%100
45	M54A		1.715	1.715	0	%100
46		X	-2.97	-2.97	0	%100
	M54A	Z	1.715	1.715	0	%100
47 48	OVP2	X	-2.175	-2.175	0	%100
	OVP2	Z	1.256	1.256	0	%100
49	M60A	X	-2.314	-2.314	0	%100
50	M60A	Z	1.336	1.336	0	%100
51	M63A	X	839	839	0	%100
52	M63A	Z	.485	.485	0	%100
53	M64	X	839	839	0	%100
54	M64	Z	.485	.485	0	%100
55	M72	X	236	236	0	%100
56	M72	Z	.136	.136	0	%100
57	M73	X	266	266	0	%100
58	M73	Z	.153	.153	0	%100
59	M74	X	-1.933	-1.933	0	%100
60	M74	Z	1.116	1.116	0	%100
61	M75	X	483	483	0	%100 %100
62	M75	Z	.279	.279	0	%100
63	M77	X	743	743	0	%100
64	M77	Z	.429	.429	0	%100 %100
65	M78	X	743	743	0	%100 %100
66	M78	Ž	.429	.429	0	%100 %100
67	M82	X	-2.705	-2.705	0	%100 %100
68	M82	Z	1.562	1.562	0	
69	MP4C	X	-2.175	-2.175	0	%100
70	MP4C	Z	1.256	1.256		%100
71	MP3C	X	-2.175		0	%100
72	MP3C	Z		-2.175	0	%100
73	MP2C		1.256	1.256	0	%100
74	MP2C MP2C	X	-2.411	-2.411	0	%100
75	MP1C	Z	1.392	1.392	0	%100
		X	-2.175	-2.175	0	%100
76	MP1C	Z	1.256	1.256	0	%100
77	M91	X	676	676	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
78	M91	7	.39	.39	0	%100
	MP4B	X	-2.175	-2.175	0	%100
79	MP4B	Z	1.256	1.256	0	%100
80	MP3B	X	-2.175	-2.175	0	%100
81	1.7.7.	Z	1,256	1.256	0	%100
82	MP3B	X	-2,411	-2.411	0	%100
83	MP2B	7	1.392	1.392	0	%100
84	MP2B	X	-2.175	-2.175	0	%100
85	MP1B	Z	1.256	1.256	0	%100
86	MP1B		-2.005	-2.005	0	%100
87	OVP1	X	1.158	1.158	0	%100
88	OVP1	Z	603	603	0	%100
89	M97	X		.348	Ö	%100
90	M97	Z	.348	-2.411	0	%100
91	M102	X	-2.411	1.392	0	%100
92	M102	Z	1,392	603	0	%100
93	M107	X	603	.348	0	%100
94	M107	Z	.348		0	%100 %100
95	M118	X	-2.495	-2.495	0	%100 %100
96	M118	Z	1.44	1.44	0	%100
97	M119	X	624	624		%100
98	M119	Z	.36	.36	0	%100
99	M120	X	624	624	0	
100	M120	Z	.36	.36	0	%100
101	M121	X	-2.666	-2.666	0	%100 %100
102	M121	Z	1.539	1.539	0	%100
103	M123A	X	-1.136	-1.136	0	%100
104	M123A	Z	.656	.656	0	%100
105	M125	X	-2.666	-2.666	0	%100
106	M125	Z	1.539	1.539	0	%100

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

	Member Label	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
4	M48	X	-3.563	-3.563	0	%100
-		Z	0	0	0	%100
2	M48	X	0	0	0	%100
3	M53	Ž	0	0	0	%100
4	M53		0	0	0	%100
5	M54	X	0	0	0	%100
6	M54	Z		0	0	%100
7	M62	X	0	0	O O	%100
8	M62	Z	0		0	%100
9	M63	X	0	0	0	%100 %100
10	M63	Z	0	0		%100 %100
11	M66	X	-1.674	-1.674	0	
12	M66	Z	0	0	0	%100
13	M67	X	-1.674	-1.674	0	%100
14	M67	Z	0	0	0	%100
15	M200	X	0	0	0	%100
16	M200	7	0	0	0	%100
	MP4A	X	-2.512	-2.512	0	%100
17	MP4A	Z	0	0	0	%100
18		X	-2.512	-2.512	0	%100
19	MP3A	Ž	0	0	0	%100
20	MP3A			-2.784	0	%100
21	MP2A	X	-2.784	0	0	%100
22	MP2A	Z		-2.512	0	%100
23	MP1A	X	-2.512	-2.512	0	%100
24	MP1A	Z	0	U	U	/0100



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

25 M37 Z 26 M37 Z 27 M38 X 28 M38 Z 29 M36A X 30 M36A Z 31 M39A X 32 M39A X 32 M39A X 33 M40A X 34 M40A Z 35 M48A X 36 M48A Z 37 M49A X 38 M49A Z 39 M50 X 40 M50 Z 41 M51A X 42 M51A X 43 M53A X 44 M53A Z 45 M54A X 46 M54A X 47 OVP2 X 48 OVP2 Z 49 M60A	Magnitude[lb/ft	.End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
27 M38 X 28 M38 Z 29 M36A X 30 M36A Z 31 M39A X 32 M39A Z 33 M40A X 34 M40A X 36 M48A X 36 M48A X 37 M49A X 38 M49A Z 39 M50 X 40 M50 Z 41 M51A X 42 M51A X 43 M53A X 44 M53A X 44 M53A X 45 M54A X 46 M54A X 47 OVP2 X 48 OVP2 Z 49 M60A Z 51 M63A X 52 M63A <td>0</td> <td>0</td> <td>0</td> <td>%100</td>	0	0	0	%100
28 M38 Z 29 M36A X 30 M36A Z 31 M39A Z 32 M39A Z 33 M40A X 34 M40A X 35 M48A X 36 M48A Z 37 M49A X 38 M49A X 38 M49A X 39 M50 X 40 M50 Z 41 M51A X 42 M51A X 43 M53A X 44 M53A X 44 M53A X 45 M54A X 46 M54A X 47 OVP2 X 48 OVP2 X 48 OVP2 X 49 M60A X 50 M60A </td <td>0</td> <td>0</td> <td>0</td> <td>%100</td>	0	0	0	%100
29 M36A X 30 M36A Z 31 M39A X 32 M39A Z 33 M40A X 34 M40A Z 35 M48A X 36 M48A Z 37 M49A X 38 M49A Z 39 M50 X 40 M50 Z 41 M51A X 42 M51A X 43 M53A X 44 M53A X 44 M53A X 44 M53A X 44 M53A X 45 M54A X 46 M54A X 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 51 M63A<	0	0	0	%100
30 M36A Z 311 M39A X 32 M39A Z 33 M40A X 34 M40A Z 35 M48A X 36 M48A X 37 M49A X 38 M49A Z 39 M50 X 40 M50 Z 41 M50 X 40 M50 Z 41 M51A X 42 M51A X 43 M53A X 44 M53A X 44 M53A X 45 M54A X 46 M54A X 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 51 M63A X 52 M63A </td <td>0</td> <td>0</td> <td>0</td> <td>%100</td>	0	0	0	%100
31 M39A X 32 M39A Z 33 M40A X 34 M40A Z 35 M48A X 36 M48A Z 37 M49A X 38 M49A Z 39 M50 X 40 M50 Z 41 M51A X 42 M51A X 42 M51A X 43 M53A X 44 M53A X 44 M53A X 45 M54A X 46 M54A X 47 OVP2 X 48 OVP2 X 49 M60A X 50 M60A X 51 M63A X 52 M63A X 53 M64 X 54 M64 <td>891</td> <td>891</td> <td>0</td> <td>%100</td>	891	891	0	%100
32 M39A Z 33 M40A X 34 M40A Z 35 M48A X 36 M48A Z 37 M49A X 38 M49A Z 39 M50 X 40 M50 Z 41 M51A X 42 M51A Z 43 M53A X 44 M53A X 44 M53A X 45 M54A X 46 M54A X 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 51 M63A X 52 M63A X 53 M64 X 54 M64 X 55 M72 X 56 M72	0	0	0	%100
33 M40A X 34 M40A Z 35 M48A X 36 M48A Z 37 M49A X 38 M49A Z 39 M50 X 40 M50 Z 41 M51A X 42 M51A X 43 M53A X 44 M53A Z 45 M54A X 46 M54A X 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 51 M63A X 52 M63A Z 53 M64 X 54 M64 Z 55 M72 X 56 M72 Z 57 M73 X 58 M73	-2.907	-2.907	0	%100
34 M40A Z 35 M48A X 36 M48A Z 37 M49A X 38 M49A Z 39 M50 X 40 M50 Z 41 M51A X 42 M51A Z 43 M53A X 44 M53A Z 45 M54A X 46 M54A X 46 M54A X 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 51 M63A X 52 M63A X 53 M64 X 54 M64 X 55 M72 X 56 M72 X 57 M73 X 58 M74	0	0	0	%100
35 M48A X 36 M48A Z 37 M49A X 38 M49A Z 39 M50 X 40 M50 Z 41 M51A X 42 M51A Z 43 M53A X 44 M53A Z 45 M54A X 46 M54A X 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 51 M63A X 52 M63A X 53 M64 X 54 M64 X 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74	-2.907	-2.907	0	%100
36 M48A Z 37 M49A X 38 M49A Z 39 M50 X 40 M50 Z 41 M51A X 42 M51A Z 43 M53A X 44 M53A Z 45 M54A X 46 M54A X 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 51 M63A X 52 M63A X 53 M64 X 54 M64 X 54 M64 X 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74	0	0	0	%100
37 M49A X 38 M49A Z 39 M50 X 40 M50 Z 41 M51A X 42 M51A Z 43 M53A X 44 M53A Z 45 M54A X 46 M54A Z 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 50 M60A X 51 M63A X 52 M63A X 53 M64 X 54 M64 X 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 X 61 M75	817	817	0	%100
38 M49A Z 39 M50 X 40 M50 Z 41 M51A X 42 M51A Z 43 M53A X 44 M53A Z 45 M54A X 46 M54A X 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A Z 51 M63A X 52 M63A X 53 M64 X 54 M64 X 54 M64 X 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 Z 61 M75 X 62 M75	0	0	0	%100
39 M50 X 40 M50 Z 41 M51A X 42 M51A Z 43 M53A X 44 M53A Z 45 M54A X 46 M54A X 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 50 M60A X 51 M63A X 52 M63A X 53 M64 X 54 M64 X 54 M64 X 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 X 61 M75 X 62 M75	92	92	0	%100
40 M50 Z 41 M51A X 42 M51A Z 43 M53A X 44 M53A Z 45 M54A X 46 M54A X 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 51 M63A X 52 M63A X 53 M64 X 54 M64 X 54 M64 X 54 M64 X 55 M72 X 56 M72 X 57 M73 X 58 M73 X 59 M74 X 60 M74 X 61 M75 X 62 M75 X 63 M77	0	0	0	%100
41 M51A X 42 M51A Z 43 M53A X 44 M53A Z 45 M54A X 46 M54A Z 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 51 M63A X 52 M63A X 53 M64 X 54 M64 X 54 M64 X 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 X 61 M75 X 62 M75 X 63 M77 X 64 M77 Z 65 M78	0	0	0	%100
42 M51A Z 43 M53A X 44 M53A Z 45 M54A X 46 M54A Z 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 50 M60A X 51 M63A X 52 M63A X 53 M64 X 54 M64 X 54 M64 X 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 X 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78	0	0	ő	%100
43 M53A X 44 M53A Z 45 M54A X 46 M54A Z 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 51 M63A X 52 M63A X 53 M64 X 54 M64 X 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 X 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 <	-1.674	-1.674	0	%100
44 M53A Z 45 M54A X 46 M54A Z 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 51 M63A X 52 M63A X 53 M64 X 54 M64 X 55 M72 X 56 M72 X 57 M73 X 58 M73 X 59 M74 X 60 M74 X 61 M75 X 62 M75 X 63 M77 X 64 M77 Z 65 M78 X 66 M78 X 67 M82 X 68 M82 X 69 MP4C <	0	0	Ö	%100
45 M54A X 46 M54A Z 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A X 51 M63A X 52 M63A X 53 M64 X 54 M64 X 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 X 61 M75 X 62 M75 X 63 M77 X 64 M77 X 65 M78 X 66 M78 X 67 M82 X 68 M82 X 69 MP4C X 70 MP4C <	-2.572	-2.572	Ŏ	%100
46 M54A Z 47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A Z 51 M63A X 52 M63A Z 53 M64 X 54 M64 Z 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 X 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C X 72 MP3C <	0	0	0	%100
47 OVP2 X 48 OVP2 Z 49 M60A X 50 M60A Z 51 M63A X 52 M63A Z 53 M64 X 54 M64 Z 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 X 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 X 67 M82 X 68 M82 X 69 MP4C X 70 MP4C X 72 MP3C X 73 MP2C <	-2.572	-2.572	Ö	%100 %100
48 OVP2 Z 49 M60A X 50 M60A Z 51 M63A X 52 M63A Z 53 M64 X 54 M64 Z 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 X 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 X 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C X 72 MP3C X 73 MP2C X 74 MP2C <	0	0	Ö	%100 %100
48 OVP2 Z 49 M60A X 50 M60A Z 51 M63A X 52 M63A Z 53 M64 X 54 M64 Z 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 X 61 M75 X 62 M75 X 63 M77 X 64 M77 Z 65 M78 X 66 M78 X 67 M82 X 68 M82 X 69 MP4C X 70 MP4C X 72 MP3C X 73 MP2C X 74 MP2C <	-2.512	-2.512	0	%100
49 M60A X 50 M60A Z 51 M63A X 52 M63A Z 53 M64 X 54 M64 Z 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 X 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 X 67 M82 X 68 M82 X 69 MP4C X 70 MP4C X 71 MP3C X 74 MP2C X 74 MP2C X 75 MP1C <	0	0	Ö	%100 %100
50 M60A Z 51 M63A X 52 M63A Z 53 M64 X 54 M64 Z 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 Z 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 X 67 M82 X 68 M82 X 69 MP4C X 70 MP4C X 71 MP3C X 73 MP2C X 74 MP2C X 75 MP1C X 76 MP1C <	891	891	Ö	%100
51 M63A X 52 M63A Z 53 M64 X 54 M64 Z 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 Z 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 X 67 M82 X 68 M82 X 69 MP4C X 70 MP4C X 72 MP3C X 73 MP2C X 74 MP2C X 75 MP1C X 76 MP1C X 76 MP1C <	0	0	Ö	%100 %100
52 M63A Z 53 M64 X 54 M64 Z 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 Z 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 X 67 M82 X 68 M82 X 69 MP4C X 70 MP4C X 71 MP3C X 72 MP3C X 74 MP2C X 75 MP1C X 76 MP1C X 76 MP1C X 78 M91 <t< td=""><td>-2.907</td><td>-2.907</td><td>0</td><td>%100 %100</td></t<>	-2.907	-2.907	0	%100 %100
53 M64 X 54 M64 Z 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 Z 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 X 69 MP4C X 70 MP4C X 71 MP3C X 72 MP3C X 73 MP2C X 74 MP2C X 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 <td< td=""><td>0</td><td>0</td><td>Ö</td><td>%100 %100</td></td<>	0	0	Ö	%100 %100
54 M64 Z 55 M72 X 56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 Z 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C X 71 MP3C X 72 MP3C X 73 MP2C X 74 MP2C X 75 MP1C X 76 MP1C X 76 MP1C X 78 M91 X	-2.907	-2.907	0	%100 %100
56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 Z 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C X 71 MP3C X 72 MP3C X 73 MP2C X 74 MP2C X 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	0	0	0	%100 %100
56 M72 Z 57 M73 X 58 M73 Z 59 M74 X 60 M74 Z 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C X 71 MP3C X 72 MP3C X 73 MP2C X 74 MP2C X 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	817	817	0	%100 %100
57 M73 X 58 M73 Z 59 M74 X 60 M74 Z 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C X 71 MP3C X 72 MP3C X 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	0	0	0	%100 %100
58 M73 Z 59 M74 X 60 M74 Z 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C X 71 MP3C X 72 MP3C X 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	92	92	0	%100 %100
59 M74 X 60 M74 Z 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C Z 71 MP3C X 72 MP3C X 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	0	0	Ö	%100 %100
60 M74 Z 61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C Z 71 MP3C X 72 MP3C Z 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	-1.674	-1.674	0	%100 %100
61 M75 X 62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C Z 71 MP3C X 72 MP3C Z 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	0	0	o l	%100 %100
62 M75 Z 63 M77 X 64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C Z 71 MP3C X 72 MP3C Z 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	0	Ö	0	%100 %100
63 M77 X 64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C Z 71 MP3C X 72 MP3C Z 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	Ö	o l	0	%100 %100
64 M77 Z 65 M78 X 66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C Z 71 MP3C X 72 MP3C Z 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	-2.572	-2.572	0	%100 %100
65 M78 X 66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C Z 71 MP3C X 72 MP3C Z 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C X 77 M91 X 78 M91 Z	0	0	Ö	%100 %100
66 M78 Z 67 M82 X 68 M82 Z 69 MP4C X 70 MP4C Z 71 MP3C X 72 MP3C Z 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	-2.572	-2.572	0	%100 %100
67 M82 X 68 M82 Z 69 MP4C X 70 MP4C Z 71 MP3C X 72 MP3C Z 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	0	0	0	%100 %100
68 M82 Z 69 MP4C X 70 MP4C Z 71 MP3C X 72 MP3C Z 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	-2.343	-2.343	0	%100 %100
69 MP4C X 70 MP4C Z 71 MP3C X 72 MP3C Z 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	0	0	0	%100 %100
70 MP4C Z 71 MP3C X 72 MP3C Z 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	-2.512	-2.512	0	%100 %100
71 MP3C X 72 MP3C Z 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	0	0	0	%100 %100
72 MP3C Z 73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	-2.512	-2.512	0	%100 %100
73 MP2C X 74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	0	-2.512	0	%100 %100
74 MP2C Z 75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	-2.784	-2.784	0	%100 %100
75 MP1C X 76 MP1C Z 77 M91 X 78 M91 Z	0	-2.764	0	
76 MP1C Z 77 M91 X 78 M91 Z	-2.512	-2.512	0	%100 %100
77 M91 X 78 M91 Z	0	-2.512		%100
78 M91 Z	-2.343	-2.343	0	%100
	0	-2.343	0	%100
/9	-2.512	-2.512	0	%100
80 MP4B Z	0		0	%100
81 MP3B X	-2.512	-2.512	0	%100 %100



Colliers Engineering & Design

AE Project No. 10207129 5000382428-VZW_MT_LO_H

July 20, 2023 10:29 AM Checked By: DX

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

110111100	Distributou Es	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft.F	Start Location[ft,%]	End Location[ft,%]
00	Member Label	7	O	0	0	%100
82	MP3B	X	-2.784	-2.784	0	%100
83	MP2B	Ž	0	0	0	%100
84	MP2B	X	-2.512	-2.512	0	%100
85	MP1B	7	-2.512	0	0	%100
86	MP1B		-2.315	-2.315	0	%100
87	OVP1	X	0240	0	Ö	%100
88	OVP1	Z	0	0	0	%100
89	M97	X	0	0	0	%100
90	M97	Z	0		0	%100
91	M102	X	-2.088	-2.088	0	%100
92	M102	Z	0		0	%100
93	M107	X	-2.088	-2.088	0	%100
94	M107	Z	0	0	0	%100 %100
95	M118	X	-2.16	-2.16		%100
96	M118	Z	0	0	0	
97	M119	X	-2.16	-2.16	0	%100
98	M119	Z	0	0	0	%100
99	M120	X	0	0	0	%100
100	M120	Z	0	0	0	%100
101	M121	X	-3.668	-3.668	00	%100
102	M121	Z	0	0	0	%100
103	M123A	X	-1.901	-1.901	0	%100
104	M123A	Z	0	0	0	%100
	M125	X	-1.901	-1.901	0	%100
105 106	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	M48	X	-2.314	-2.314	0	%100
-	M48	Z	-1.336	-1.336	0	%100
2		X	839	839	0	%100
3	M53	Z	485	485	0	%100
4	M53	X	839	839	0	%100
5	M54	7	485	485	0	%100
6	M54	X	236	236	0	%100
7	M62	Ž	136	136	0	%100
8	M62		266	266	0	%100
9	M63	X		153	0	%100
10	M63	Z	153	-1.933	0	%100
11	M66	X	-1.933	-1.116	0	%100
12	M66	Z	-1.116		0	%100
13	M67	X	483	483	0	%100
14	M67	Z	279	279	0	%100 %100
15	M200	X	676	676	0	%100
16	M200	Z	39	39		%100 %100
17	MP4A	X	-2.175	-2.175	0	%100 %100
18	MP4A	Z	-1.256	-1.256	0	
19	MP3A	X	-2.175	-2.175	0	%100
20	MP3A	Z	-1.256	-1.256	0	%100
21	MP2A	X	-2.411	-2.411	0	%100
22	MP2A	Z	-1.392	-1.392	0	%100
23	MP1A	X	-2.175	-2.175	0	%100
	MP1A	Ž	-1.256	-1.256	0	%100
24	M37	X	743	743	0	%100
25		7	429	429	0	%100
26	M37	X	743	743	0	%100
27 28	M38 M38	Ž	429	429	0	%100



: Colliers Engineering & Design : AE : Project No. 10207129 : 5000382428-VZW_MT_LO_H

July 20, 2023 10:29 AM Checked By: DX

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

29	Member Label M36A	Direction X	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F.,		End Location[ft,%]
30	M36A	Ž	-2.314	-2.314	0	%100
31	M39A	X	-1.336	-1.336	0	%100
32	M39A	Ż	839	839	0	%100
33	M40A		485	485	0	%100
34	M40A	Z	839	839	0	%100
35	M48A		485	485	0	%100
36	M48A	X	-,236	236	0	%100
37	M49A	Z	136	136	0	%100
38	M49A	X	266	266	0	%100
39		Z	153	153	0	%100
40	M50	X	483	483	0	%100
	M50	Z	279	279	0	%100
41	M51A	X	-1.933	-1.933	0	%100
42	M51A	Z	-1.116	-1.116	0	%100
43	M53A	X	742	742	0	%100
44	M53A	Z	429	429	0	%100
45	M54A	X	743	743	00	%100
46	M54A	Z	429	429	0	%100
47	OVP2	X	-2.175	-2.175	0	%100
48	OVP2	Z	-1.256	-1.256	0	%100
49	M60A	X	0	0	0	%100
50	M60A	Z	0	0	0	%100
51	M63A	X	-3.357	-3.357	0	%100
52	M63A	Z	-1.938	-1.938	0	%100
53	M64	X	-3.357	-3.357	0	%100
54	M64	Z	-1.938	-1.938	0	%100
55	M72	X	943	943	0	%100
56	M72	Z	544	544	0	%100
57	M73	X	-1.062	-1.062	0	%100
58	M73	Z	613	613	0	%100
59	M74	X	483	483	0	%100
60	M74	Z	279	279	0	%100
61	M75	X	483	483	0	%100
62	M75	Z	279	279	0	%100
63	M77	X	-2.97	-2.97	0	%100
64	M77	Z	-1.715	-1.715	0	%100
65	M78	X	-2.97	-2.97	0	%100
66	M78	Z	-1.715	-1.715	0	%100
67	M82	X	676	676	0	%100
68	M82	Z	39	39	0	%100
69	MP4C	X	-2.175	-2.175	0	%100
70	MP4C	Z	-1.256	-1.256	0	%100
71	MP3C	X	-2.175	-2.175	0	%100
72	MP3C	Z	-1.256	-1.256	0	%100
73	MP2C	X	-2.411	-2.411	0	%100
74	MP2C	Z	-1.392	-1.392	0	%100 %100
75	MP1C	X	-2.175	-2.175	0	%100
76	MP1C	Z	-1.256	-1.256	Ö	%100
77	M91	X	-2.705	-2.705	0	%100 %100
78	M91	Z	-1.562	-1.562	0	%100 %100
79	MP4B	X	-2.175	-2.175	0	%100 %100
80	MP4B	Z	-1.256	-1.256	0	%100 %100
81	MP3B	X	-2.175	-2.175	0	%100 %100
82	MP3B	Z	-1.256	-1.256	0	%100 %100
83	MP2B	X	-2.411	-2.411	0	
84	MP2B	Z	-1.392	-1.392	0	%100 %100
	MP1B	X	-2.175	-2.175	U	70 I UU

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: Project No. 10207129 : 5000382428-VZW_MT_LO_H

July 20, 2023 10:29 AM Checked By: DX

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

ii Ciii &		Direction	Start Magnitudellh/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	Member Label	Direction_	-1.256	-1.256	0	%100
86	MP1B	- Z	-2.005	-2.005	0	%100
87	OVP1	X 7		-1.158	0	%100
88	OVP1		-1.158	603	0	%100
89	M97	X	603		0	%100
90	M97	Z	348	348	0	%100
91	M102	X	603	603	0	%100
92	M102	Z	348	348	0	%100
93	M107	X	-2.411	-2.411	0	
94	M107	Z	-1.392	-1.392	0	%100
95	M118	X	624	624	0	%100
	M118	7	36	36	0	%100
96		X	-2.495	-2.495	0	%100
97	M119	Z	-1.44	-1.44	0	%100
98	M119	X	624	624	0	%100
99	M120	7	36	36	0	%100
100	M120		-2.666	-2.666	0	%100
101	M121	X		-1.539	Ŏ	%100
102	M121	Z	-1.539		0	%100
103	M123A	X	-2.666	-2.666	0	%100
104	M123A	Z	-1.539	-1.539	0	%100 %100
105	M125	X	-1.136	-1.136	0	
106	M125	Z	656	656	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,%]
4	M48	X	445	445	0	%100
2	M48	Z	771	771	0	%100
	M53	X	-1.454	-1.454	0	%100
3	M53	Z	-2.518	-2.518	0	%100
4		X	-1.454	-1.454	0	%100
5	M54	Z	-2.518	-2.518	0	%100
6	M54	X	408	408	0	%100
7	M62	Z	707	707	0	%100
8	M62		46	46	0	%100
9	M63	Z	797	797	0	%100
10	M63		837	837	0	%100
11	M66	X	-1.45	-1.45	0	%100
12	M66	Z	-1.45	0	0	%100
13	M67	X	0	0	Ö	%100
14	M67	Z		-1.171	0	%100
15	M200	X	-1.171	-2.029	0	%100
16	M200	Z	-2.029		0	%100
17	MP4A	X	-1.256	-1.256	0	%100
18	MP4A	Z	-2.175	-2.175	0	%100
19	MP3A	X	-1.256	-1.256	0	%100
20	MP3A	Z	-2.175	-2.175		%100
21	MP2A	X	-1.392	-1.392	0	%100
22	MP2A	Z	-2.411	-2.411	0	%100 %100
23	MP1A	X	-1.256	-1.256	0	
24	MP1A	Z	-2.175	-2.175	0	%100
25	M37	X	-1.286	-1.286	0	%100
26	M37	Z	-2.228	-2.228	0	%100
27	M38	X	-1.286	-1.286	0	%100
28	M38	Z	-2.228	-2.228	0	%100
29	M36A	X	-1.781	-1.781	0	%100
30	M36A	Z	-3.086	-3.086	0	%100
	M39A	X	0	0	0	%100
31	M39A	Z	0	0	0	%100



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

20	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
33	M40A	X	0	0	0	%100
34	M40A	Z	0	0	0	%100
35	M48A	X	0	0	0	%100
36	M48A	Z	0	0	0	%100
37	M49A	X	0	0	0	%100
38	M49A	Z	0	0	0	%100
39	M50	X	837	837	0	%100
40	M50	Z	-1.45	-1.45	0	%100
41	M51A	X	837	837	0	%100
42	M51A	Z	-1.45	-1.45	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	0	0	0	%100
45	M54A	X	0	0	0	%100
46	M54A	Z	0	0	0	%100
47	OVP2	X	-1.256	-1.256	0	%100
48	OVP2	Z	-2.175	-2.175	Ö	%100
49	M60A	X	445	445	Ö	%100
50	M60A	Z	771	771	0	%100
51	M63A	X	-1.454	-1.454	Ö	%100
52	M63A	Z	-2.518	-2.518	0	%100
53	M64	X	-1.454	-1.454	Ö	%100
54	M64	Z	-2.518	-2.518	Ŏ	%100
55	M72	X	408	408	Ö	%100
56	M72	Z	707	707	Ŏ	%100
57	M73	X	46	46	Ö	%100
58	M73	Z	797	797	Ö	%100
59	M74	X	0	0	0	%100 %100
60	M74	Z	0	0	Ö	%100
61	M75	X	837	837	0	%100 %100
62	M75	Z	-1.45	-1.45	Ö	%100 %100
63	M77	X	-1.286	-1.286	0	%100 %100
64	M77	Z	-2.227	-2.227	0	%100 %100
65	M78	X	-1.286	-1.286	0	%100 %100
66	M78	Z	-2.228	-2.228	0	%100 %100
67	M82	X	0	0	0	%100 %100
68	M82	Z	0	Ö	0	%100 %100
69	MP4C	X	-1.256	-1.256	0	%100 %100
70	MP4C	Z	-2.175	-2.175	0	%100 %100
71	MP3C	X	-1.256	-1.256	0	%100 %100
72	MP3C	Z	-2.175	-2.175	0	%100 %100
73	MP2C	X	-1.392	-1.392	0	%100 %100
74	MP2C	Z	-2.411	-2.411	0	%100 %100
75	MP1C	X	-1.256	-1.256	0	%100 %100
76	MP1C	Z	-2.175	-2.175	0	%100 %100
77	M91	X	-1.171	-1.171	0	
78	M91	Z	-2.029	-2.029	0	%100 %100
79	MP4B	X	-1.256	-1.256	0	%100 %100
80	MP4B	Ž	-2.175	-2.175	0	%100
81	MP3B	X	-1.256	-1.256	0	%100 %100
82	MP3B	Z	-2.175	-2.175	0	%100
83	MP2B	X	-1.392	-1.392	0	%100 %100
84	MP2B	Ž	-2.411	-2.411		%100
85	MP1B	X	-1.256	-2.411	0	%100
86	MP1B	Z	-2.175	-2.175	0	%100
87	OVP1	X	-1.158		0	%100
	OVP1	Z	-2.005	-1.158 -2.005	0	%100 %100
88	UVE					



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

	Member Label	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%]
00	M97	7	-1.808	-1.808	0	%100
90		X	1 0	0	0	%100
91	M102	7		0	0	%100
92	M102		-1.044	-1.044	0	%100
93	M107	<u> </u>		-1.808	0	%100
94	M107	7	-1.808	-1.000	0	%100
95	M118	X	00	<u> </u>		%100 %100
96	M118	Z	0	0	0	
97	M119	X	-1.08	-1.08	0	%100
98	M119	Z	-1.871	-1.871	0	%100
99	M120	X	-1.08	-1.08	0	%100
	M120	7	-1.871	-1.871	0	%100
100	M121	X	95	95	0	%100
101		7	-1.646	-1.646	0	%100
102	M121	X	-1.834	-1.834	0	%100
103	M123A			-3.176	0	%100
104	M123A	 	-3.176	95	0	%100
105	M125	X	95		0	%100
106	M125	Z	-1.646	-1.646	U	/0100

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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft.F.	Start Location[ft,%]	End Location[ft,%]
1	M48	X	0	0	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	-1.069	-1.069	0	%100
5	M54 ·	X	0	0	0	%100
6	M54	Z	-1.069	-1.069	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	065	065	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	072	072	0	%100
11	M66	X	0	0	0	%100
	M66	Z	105	105	0	%100
12	M67	X	0	0	0	%100
13	M67	Z	105	105	0	%100
14	M200	X	0	0	0	%100
15		Z	685	685	0	%100
16	M200 MP4A	X	0	0	0	%100
17		Z	465	465	0	%100
18	MP4A	X	0	0	0	%100
19	MP3A	Ž	465	465	0	%100
20	MP3A	X	0	0	0	%100
21	MP2A	Z	562	562	0	%100
22	MP2A	X	502	0	0	%100
23	MP1A	Z	465	465	0	%100
24	MP1A		465	405	Ö	%100
25	M37	Z	978	978	0	%100
26	M37		976	570	0	%100
27	M38	X	978	978	Ŏ	%100
28	M38	Z	976	976	0	%100
29	M36A	X		632	0	%100
30	M36A	Z	632	032	0	%100
31	M39A	X	0	267	0	%100
32	M39A	Z	267	267	0	%100 %100
33	M40A	X	0		0	%100
34	M40A	Z	267	267	0	%100 %100
35	M48A	X	0	0	0	%100
36	M48A	Z	016	016	U	76100

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

27	Member Label	Direction		.End Magnitude[lb/ft.F	Start Location[ft,%]	End Location[ft,%]
37	M49A	X	0	0	0	%100
38	M49A	Z	018	018	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	419	419	0	%100
41	M51A	X	0	0	0	%100
42	M51A	Z	105	105	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	245	245	0	%100
45	M54A	X	0	0	0	%100
46	M54A	Z	245	245	0	%100
47	OVP2	X	0	0	0	%100
48	OVP2	Z	465	465	0	%100
49	M60A	X	0	0	0	%100
50	M60A	Z	632	632	0	%100
51	M63A	X	0	0	0	%100
52	M63A	Z	267	267	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	267	-:267	0	%100
55	M72	X	0	0	0	%100
56	M72	Z	016	016	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	018	018	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	105	105	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	419	419	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	245	245	0	%100
65	M78	X	0	0	0	%100
66	M78	Z	245	245	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	171	171	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	465	465	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	465	465	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	562	562	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	465	465	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	171	171	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	465	465	0	%100
81	MP3B	X	0	0	Ō	%100
82	MP3B	Z	465	465	Ö	%100 %100
83	MP2B	X	0	0	0	%100 %100
84	MP2B	Z	562	562	0	%100 %100
85	MP1B	X	0	0	0	%100 %100
86	MP1B	Z	465	465	Ö	%100 %100
87	OVP1	X	0	0	0	%100 %100
88	OVP1	Z	423	423	0	%100
89	M97	X	0	423	0	%100 %100
90	M97	Z	562	562	0	%100 %100
91	M102	X	0	362	0	%100 %100
92	M102	Z	141	141	0	%100 %100
93	M107	X	0	0	0	%100 %100



Model Name

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

	process and about	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
	Member Label	Direction	141	141	0	%100
94	M107		141	1 1 1 1	Ö	%100
95	M118	X	0	<u> </u>	0	
96	M118	Z	177	177	0	%100
97	M119	X	0	0		%100
98	M119	7	177	177	0	%100
	M120	X	0	0	0	%100
99	M120	7	709	709	0	%100
100		V	0	0	0	%100
101	M121		37	37	0	%100
102	M121		37	57	0	%100
103	M123A	X	0	750	0	%100
104	M123A	Z	753	753	0	
105	M125	X	0	0	0	%100
106	M125	7	753	753	0	%100

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

	er Distributed Lo Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft.%
1	M48	X	.105	.105	0	%100
	M48	Z	183	183	0	%100
2		X	.401	.401	0	%100
3	M53	Ž	694	694	0	%100
4	M53	X	.401	.401	0	%100
5	M54	Z	694	694	0	%100
6	M54	X	.024	.024	0	%100
7	M62	Z	042	042	0	%100
8	M62	X	.027	.027	0	%100
9	M63		047	047	0	%100
10	M63	Z	0	0	0	%100
11	M66	X	0	0	Ö	%100
12	M66	Z	.157	.157	0	%100
13	M67	X	272	272	0	%100
14	M67	Z	.257	.257	0	%100
15	M200	X		445	Ŏ	%100
16	M200	Z	445	.232	0	%100
17	MP4A	X	.232	402	0	%100
18	MP4A	Z	402	.232	0	%100 %100
19	MP3A	X	.232		0	%100
20	MP3A	Z	402	402	0	%100
21	MP2A	X	.281	.281	0	%100
22	MP2A	Z	487	487	0	%100 %100
23	MP1A	X	.232	.232	0	%100 %100
24	MP1A	Z	402	402	0	%100 %100
25	M37	X	.367	.367		%100 %100
26	M37	Z	635	635	0	%100 %100
27	M38	X	.367	.367	0	%100 %100
28	M38	Z	635	635	0	
29	M36A	X	.105	.105	0	%100
30	M36A	Z	183	183	0	%100
31	M39A	X	.401	.401	0	%100
32	M39A	Z	694	694	0	%100
33	M40A	X	.401	.401	0	%100
34	M40A	Z	694	694	0	%100
35	M48A	X	.024	.024	0	%100
36	M48A	Z	042	042	0	%100
37	M49A	X	.027	.027	0	%100
38	M49A	Ž	047	047	0	%100
	M50	X	.157	.157	0	%100
39 40	M50	Z	272	272	0	%100



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

41	Member Label	Direction		.End Magnitude[lb/ft,F		End Location[ft,%]
42	M51A	X	0	0	0	%100
43	M51A	Z	0	0	0	%100
44	M53A	X	.367	.367	0	%100
45	M53A	Z	635	635	0	%100
46	M54A	X	.367	.367	0	%100
	M54A	Z	635	635	0	%100
47	OVP2	X	.232	.232	0	%100
48	OVP2	Z	402	402	0	%100
49	M60A	X	.421	.421	0	%100
50	M60A	Z	73	73	0	%100
51	M63A	X	0	0	0	%100
52	M63A	Z	0	0	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	0	0	0	%100
55	M72	X	0	0	0	%100
56	M72	Z	0	0	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	0	0	0	%100
59	M74	X	.157	.157	0	%100
60	M74	Z	272	272	0	%100
61	M75	X	.157	.157	0	%100
62	M75	Z	272	272	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	0	0	0	%100
65	M78	X	0	0	0	%100
66	M78	Z	0	0	0	%100
67	M82	X	.257	.257	0	%100
68	M82	Z	445	445	Ö	%100 %100
69	MP4C	X	.232	.232	0	%100
70	MP4C	Z	402	402	Ö	%100 %100
71	MP3C	X	.232	.232	Ö	%100 %100
72	MP3C	Z	402	402	- 0	%100
73	MP2C	X	.281	.281	0	%100 %100
74	MP2C	Z	487	487	Ö	%100 %100
75	MP1C	X	.232	.232	0	%100
76	MP1C	Z	402	402	0	%100 %100
77	M91	X	0	0	0	%100 %100
78	M91	Z	0	0	0	%100 %100
79	MP4B	X	.232	.232	0	%100 %100
80	MP4B	Z	402	402	0	%100 %100
81	MP3B	X	.232	.232	0	%100 %100
82	MP3B	Z	402	402	0	%100 %100
83	MP2B	X	.281	.281	_	
84	MP2B	Ž	487	487	0	%100 %100
85	MP1B	X	.232	.232	0	%100 %100
86	MP1B	Z	402	402	0	
87	OVP1	X	.212	.212	0	%100 %100
88	OVP1	Z	367	367	0	%100 %100
89	M97	X	.211	.211	0	%100 %100
90	M97	Z	365	365	0	%100 %100
91	M102	X	.211	.211		%100
92	M102	Z	365		0	%100
93	M107	X	365	365	0	%100
94	M107	Z	0	0	0	%100
95	M118	X		0	0	%100
96	M118	Z	.266	.266	0	%100
97	M119	X	46	46	0	%100
J.	IVITIO		0	0	0	%100



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

	1970 N	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
-00	Member Label	7	Otari Magninese	0	0	%100
98	M119	- Z	.266	.266	0	%100
99	M120			46	Ô	%100
100	M120		46		0	%100
101	M121	X	.249	.249	0	%100 %100
102	M121	Z	431	431	0	
103	M123A	X	.249	.249	0	%100
104	M123A	Z	431	431	0	%100
105	M125	X	.44	.44	0	%100
106	M125	Z	763	763	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	M48	X	.548	.548	0	%100
2	M48	Z	316	316	0	%100
3	M53	X	.231	.231	0	%100
4	M53	Z	134	134	0	%100
5	M54	X	.231	.231	0	%100
6	M54	Z	134	134	0	%100
7	M62	X	.014	.014	0	%100
8	M62	Z	008	008	0	%100
9	M63	X	.016	.016	00	%100
10	M63	Z	009	009	0	%100
11	M66	X	.091	.091	0	%100
12	M66	Z	052	052	0	%100
13	M67	X	.363	.363	0	%100
14	M67	Z	209	209	0	%100
15	M200	X	.148	.148	00	%100
16	M200	Z	086	086	0	%100
17	MP4A	X	.402	.402	0	%100
18	MP4A	Z	-,232	232	0	%100
19	MP3A	X	.402	.402	0	%100
20	MP3A	Z	232	232	0	%100
21	MP2A	X	.487	.487	0	%100
22	MP2A	Z	281	281	0	%100
	MP1A	X	.402	.402	0	%100
23	MP1A	Z	-,232	232	0	%100
24	M37	X	.212	.212	0	%100
25		Z	122	122	0	%100
26	M37 M38	X	.212	.212	0	%100
27		Z	122	122	0	%100
28	M38	X	0	0	0	%100
29	M36A	Z	0	0	0	%100
30	M36A	X	.926	.926	0	%100
31	M39A	Z	534	534	0	%100
32	M39A	X	.926	.926	0	%100
33	M40A	Ž	534	534	0	%100
34	M40A	X	.056	.056	0	%100
35	M48A	Z	032	032	0	%100
36	M48A		.063	.063	0	%100
37	M49A	X	036	036	0	%100
38	M49A	Z	.091	.091	Ö	%100
39	M50	X	052	052	Ö	%100
40	M50	Z		.091	0	%100
41	M51A	X	.091	052	0	%100
42	M51A	Z	052	.847	0	%100
43	M53A	X	.847	489	0	%100
44	M53A	Z	489	409	U	/0100



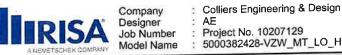
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Member Distributed Loads (BLC 67 : Structure Wm (60 Deg)) (Continued)

45	Member Label M54A	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F		End Location[ft,%]
46	M54A	Z	.847	.847	0	%100
47	OVP2		489	489	0	%100
48	OVP2	Z	.402	.402	0	%100
49	M60A	X	232	232	0	%100
50	M60A		.548	.548	0	%100
51	M63A	Z	316	316	0	%100
52	M63A	X	.231	.231	0	%100
53		Z	134	134	0	%100
54	M64 M64	X	.231	.231	0	%100
55	M72	Z	134	134	0	%100
56		X	.014	.014	0	%100
57	M72	Z	008	008	0	%100
58	M73	X	.016	.016	0	%100
	M73	Z	009	009	0	%100
59	M74	X	.363	.363	0	%100
60	M74	Z	209	209	0	%100
61	M75	X	.091	.091	0	%100
62	M75	Z	052	052	0	%100
63	M77	X	.212	.212	0	%100
64	M77	Z	122	122	0	%100
65	M78	X	.212	.212	0	%100
66	M78	Z	122	122	0	%100
67	M82	X	.593	.593	0	%100
68	M82	Z	342	342	0	%100
69	MP4C	X	.402	.402	0	%100
70	MP4C	Z	232	232	0	%100
71	MP3C	X	.402	.402	0	%100
72	MP3C	Z	232	232	0	%100
73	MP2C	X	.487	.487	0	%100
74	MP2C	Z	281	281	0	%100
75	MP1C	X	.402	.402	0	%100
76	MP1C	Z	232	232	0	%100
77	M91	X	.148	.148	Ö	%100
78	M91	Z	086	086	0	%100
79	MP4B	X	.402	.402	0	%100
80	MP4B	Z	232	232	0	%100
81	MP3B	X	.402	.402	Ö	%100
82	MP3B	Z	232	232	0	%100
83	MP2B	X	.487	.487	0	%100
84	MP2B	Z	281	281	0	%100
85	MP1B	X	.402	.402	0	%100
86	MP1B	Z	232	232	Ö	%100
87	OVP1	X	.367	.367	0	%100 %100
88	OVP1	Z	212	212	0	%100 %100
89	M97	X	.122	.122	0	%100 %100
90	M97	Z	07	07	0	%100 %100
91	M102	X	.487	.487	0	%100 %100
92	M102	Ž	281	281	0	%100 %100
93	M107	X	.122	.122	0	%100 %100
94	M107	Z	07	07	0	%100 %100
95	M118	X	.614	.614	0	%100 %100
96	M118	Z	354	354	0	
97	M119	X	.153	.153		%100
98	M119	Z	089	089	0	%100 %100
99	M120		.153	.153	0	%100
100	M120	Z	089	089		%100
101	M121	X	.652	.652	0	%100
	11114-1		.002	.002	0	%100



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

Member Lobol	Direction	Start Magnitudeflb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
	7			0	%100
				0	%100
M123A	X			0	%100
M123A	Z			0	
	X	.652	.652	0	%100
	Z	-,377	377	0	%100
	Member Label M121 M123A M123A M125 M125	M121 Z M123A X M123A Z M125 X	M121 Z 377 M123A X .321 M123A Z 185 M125 X .652	M121 Z 377 377 M123A X .321 .321 M123A Z 185 185 M125 X .652 .652 M125 X .652 .652	M121 Z 377 377 0 M123A X .321 .321 0 M123A Z 185 185 0 M125 X .652 .652 0

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude(lb/ft.F	Start Location[ft,%]	End Location[ft,%] %100
1	M48	X	.843	.843	0	%100
2	M48	Z	0	0	0	%100 %100
3	M53	X	0	0	0	%100
4	M53	Z	0	0	0	%100 %100
5	M54	X	0	0	0	%100 %100
6	M54	Z	0	0	0	%100 %100
7	M62	X	0	0	0	%100 %100
8	M62	Z	0	0	0	%100 %100
9	M63	X	0	0	0	%100 %100
10	M63	Z	0	0	0	%100 %100
11	M66	X	.314	.314	0	%100 %100
12	M66	Z	0	0	0	%100 %100
13	M67	X	.314	.314	0	%100 %100
14	M67	Z	0	0	0	
15	M200	X	0	0	0	%100 %100
16	M200	Z	0	0	0	
17	MP4A	X	.465	.465	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	.465	.465	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	.562	.562	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	.465	.465	0	%100
24	MP1A	Z	0	0	0	%100
25	M37	X	0	0	0	%100 %100
26	M37	Z	0	0	0	
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M36A	X	.211	.211	0	%100
30	M36A	Z	0	0	0	%100
31	M39A	X	.802	.802	0	%100
32	M39A	Z	0	0	0	%100
33	M40A	X	.802	.802	0	%100
34	M40A	Z	0	0	0	%100
35	M48A	X	.048	.048	0	%100
36	M48A	Z	0	0	0	%100
37	M49A	X	.054	.054	0	%100
38	M49A	Z	0	0	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	0	0	0	%100
41	M51A	X	.314	.314	0	%100
42	M51A	Z	0	0	0	%100
43	M53A	X	.734	.734	0	%100
	M53A	Z	0	0	0	%100
44	M54A	X	.734	.734	0	%100
45	M54A	Z	0	0	0	%100
46	OVP2	X	.465	.465	0	%100
47	OVP2	7	0	0	0	%100



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

49	Member Label M60A	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
50	M60A	X	.211	.211	0	%100
51	M63A	Z	0	0	0	%100
52	M63A	X	.802	.802	0	%100
53	M64	Z	0	0	0	%100
54		X	.802	.802	0	%100
55	M64	Z	0	0	0	%100
	M72	X	.048	.048	0	%100
56	M72	Z	0	0	0	%100
57	M73	X	.054	.054	Q	%100
58	M73	Z	0	0	0	%100
59	M74	X	.314	.314	0	%100
60	M74	Z	0	0	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	0	0	0	%100
63	M77	X	.734	.734	0	%100
64	M77	Z	0	0	Ō	%100
65	M78	X	.734	.734	Ö	%100 %100
66	M78	Z	0	0	Ö	%100 %100
67	M82	X	.514	.514	0	%100 %100
68	M82	Z	0	0	0	%100 %100
69	MP4C	X	.465	.465	0	%100 %100
70	MP4C	Z	0	0	0	
71	MP3C	X	.465	.465		%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	.562		0	%100
74	MP2C	Z	.302	.562	0	%100
75	MP1C	X	.465	0	0	%100
76	MP1C			.465	0	%100
77	M91	Z	0	0	0	%100
78	M91	X	.514	.514	0	%100
79	MP4B	Z	0	0	0	%100
80		X	.465	.465	0	%100
81	MP4B	Z	0	0	0	%100
	MP3B	X	.465	.465	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	.562	.562	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	.465	.465	0	%100
86	MP1B	Z	0	0	0	%100
87	OVP1	X	.423	.423	0	%100
88	OVP1	Z	0	0	0	%100
89	M97	X	0	0	0	%100
90	M97	Z	0	0	0	%100
91	M102	X	.422	.422	0	%100 %100
92	M102	Z	0	0	Ö	%100
93	M107	X	.422	.422	Ö	%100 %100
94	M107	Z	0	0	Ö	%100 %100
95	M118	X	.532	.532	0	%100 %100
96	M118	Z	0	0	0	%100
97	M119	X	.532	.532	0	%100 %100
98	M119	Z	0	0	0	%100 %100
99	M120	X	0	0	0	70 IUU 0/ 100
100	M120	Z	0	0		%100
101	M121	X	.881	.881	0	%100
102	M121	Z	0		0	%100
103	M123A	X	.498	0	0	%100
104	M123A	Ž		.498	0	%100
105	M125	X	.498	0	0	%100
.00	141.120	_ ^	.498	.498	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location(ft.%)
		Direction	Otari Magnitadone	0	0	%100
106	M125		U			

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

N/	lember Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%
1 1	M48	X	.548	.548	0	%100
2	M48	Z	.316	.316	0	%100
	M53	X	.231	.231	0	%100
3	M53	Z	.134	.134	0	%100
4	M54	X	.231	.231	0	%100
5		Z	.134	.134	0	%100
6	M54	X	.014	.014	0	%100
7	M62	Z	.008	.008	0	%100
8	M62	X	.016	.016	0	%100
9	M63	Ž	.009	.009	0	%100
10	M63	X	.363	.363	0	%100
11	M66	Ž	.209	.209	0	%100
12	M66		.091	.091	0	%100
13	M67	X	.052	.052	0	%100
14	M67	Z	.148	.148	0	%100
15	M200	X		.086	Ö	%100
16	M200	Z	.086	.402	Ö	%100
7	MP4A	X		.232	Ö	%100
8	MP4A	Z	.232	.402	0	%100
19	MP3A	X	.402	.232	0	%100
20	MP3A	Z	.232		0	%100
21	MP2A	X	.487	.487	0	%100
22	MP2A	Z	.281	.281	0	%100 %100
23	MP1A	X	.402	.402		%100 %100
24	MP1A	Z	.232	.232	0	%100 %100
25	M37	X	.212	.212	0	%100
26	M37	Z	.122	.122	0	%100 %100
27	M38	X	.212	.212	0	%100 %100
28	M38	Z	.122	.122	0	
29	M36A	X	.548	.548	0	%100
30	M36A	Z	.316	.316	0	%100
31	M39A	X	.231	.231	0	%100
32	M39A	Z	.134	.134	0	%100
33	M40A	X	.231	.231	0	%100
34	M40A	Z	.134	.134	0	%100
35	M48A	X	.014	.014	0	%100
36	M48A	Z	.008	.008	0	%100
37	M49A	X	.016	.016	0	%100
38	M49A	Z	.009	.009	0	%100
39	M50	X	.091	.091	0	%100
	M50	Z	.052	.052	0	%100
40		X	.363	.363	0	%100
41	M51A	Z	.209	.209	0	%100
42	M51A	X	.212	.212	0	%100
43	M53A	Ž	.122	.122	0	%100
44	M53A		.212	.212	0	%100
45	M54A	Z	.122	.122	0	%100
46	M54A		.402	.402	0	%100
47	OVP2	X		.232	Ö	%100
48	OVP2	Z	.232	0	0	%100
49	M60A	X	0	0	0	%100
50	M60A	Z	0	.926	0	%100
51	M63A	X	.926	.534	0	%100
52	M63A	Z	.534	.334	U	70100

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

53	Member Label M64	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F		End Location[ft,%]
54	M64	Z	.926	.926	0	%100
55	M72		.534	.534	0	%100
56	M72	X	.056	.056	0	%100
57	M73	Z	.032	.032	0	%100
58		X	.063	.063	0	%100
	M73	Z	.036	.036	0	%100
59 60	M74	X	.091	.091	0	%100
	M74	Z	.052	.052	0	%100
61	M75	X	.091	.091	0	%100
62	M75	Z	.052	.052	0	%100
63	M77	X	.847	.847	0	%100
64	M77	Z	.489	.489	0	%100
65	M78	X	.847	.847	0	%100
66	M78	Z	.489	.489	0	%100
67	M82	X	.148	.148	0	%100
68	M82	Z	.086	.086	0	%100
69	MP4C	X	.402	.402	0	%100
70	MP4C	Z	.232	.232	0	%100
71	MP3C	X	.402	.402	0	%100
72	MP3C	Z	.232	.232	0	%100
73	MP2C	X	.487	.487	0	%100
74	MP2C	Z	.281	.281	Ö	%100
75	MP1C	X	.402	.402	0	%100 %100
76	MP1C	Z	.232	.232	Ö	%100
77	M91	X	.593	.593	0	%100 %100
78	M91	Z	.342	.342	Ö	%100 %100
79	MP4B	X	.402	.402	0	%100 %100
80	MP4B	Z	.232	.232	0	%100 %100
81	MP3B	X	.402	.402	0	%100 %100
82	MP3B	Z	.232	.232	0	%100 %100
83	MP2B	X	.487	.487	0	%100 %100
84	MP2B	Z	.281	.281	0	%100 %100
85	MP1B	X	.402	.402	0	%100 %100
86	MP1B	Z	.232	.232	0	
87	OVP1	X	.367	.367	0	%100 %100
88	OVP1	Z	.212	.212	0	
89	M97	X	.122	.122	0	%100 %400
90	M97	Ž	.07	.07	0	%100
91	M102	X	.122	.122		%100
92	M102	Z	.07	.07	0	<u>%100</u>
93	M107	X	.487	.487	0	%100
94	M107	Z	.281		0	%100
95	M118	X	.153	.281	0	%100
96	M118	Z	.089		0	%100
97	M119	X	.614	.089	0	%100
98	M119			.614	0	%100
99	M120	Z	.354	.354	0	%100
100	M120	X Z	.153	.153	0	%100
101	M121		.089	.089	0	%100
102	M121	X	.652	.652	0	%100
103		Z	.377	.377	0	%100
103	M123A	X	.652	.652	0	%100
105	M123A	Z	.377	.377	0	%100
	M125	X	.321	.321	0	%100
106	M125	Z	.185	.185	0	%100

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



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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,%]
1	M48	X	.105	.105	0	%100
2	M48	Z	.183	.183	0	%100
3	M53	X	.401	.401	0	%100
4	M53	Z	.694	.694	0	%100
5	M54	X	.401	.401	0	%100
6	M54	Z	.694	.694	0	%100
7	M62	X	.024	.024	0	%100
8	M62	Z	.042	.042	0	%100
9	M63	X	.027	.027	0	%100
10	M63	Z	.047	.047	0	%100
11	M66	X	.157	.157	0	%100
12	M66	Z	.272	.272	0	%100
13	M67	X	0	0	0	%100
14	M67	Z	0	0	0	%100
15	M200	X	.257	.257	0	%100
16	M200	Z	.445	.445	0	%100
17	MP4A	X	.232	.232	0	%100
18	MP4A	Z	.402	.402	0	%100
19	MP3A	X	.232	.232	0	%100
20	MP3A	Z	.402	.402	0	%100
21	MP2A	X	.281	.281	0	%100
22	MP2A	Z	.487	.487	0	%100
23	MP1A	X	.232	.232	0	%100
	MP1A	Z	.402	.402	0	%100
24	M37	X	.367	.367	0	%100
25	M37	Z	.635	.635	0	%100
26	M38	X	.367	.367	0	%100
27	M38	Z	.635	.635	0	%100
28		X	.421	.421	0	%100
29	M36A	Z	.73	.73	0	%100
30	M36A	X	0	0	0	%100
31	M39A	Z	Ö	0	0	%100
32	M39A	X	0	0	0	%100
33	M40A	Z	0	0	0	%100
34	M40A	X	0	0	0	%100
35	M48A	Z	0	0	0	%100
36	M48A		0	Ö	0	%100
37	M49A	Z	0	0	0	%100
38	M49A	X	.157	.157	0	%100
39	M50		.272	.272	0	%100
40	M50	Z	.157	.157	0	%100
41	M51A	X	.272	.272	0	%100
42	M51A	Z			0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	0	0	0	%100
45	M54A	X	0	0	0	%100
46	M54A	Z		.232	0	%100
47	OVP2	X	.232	.402	0	%100
48	OVP2	Z	.402	.105	0	%100
49	M60A	X	.105	.183	0	%100 %100
50	M60A	Z	.183	.401	0	%100
51	M63A	X	.401		0	%100
52	M63A	Z	.694	.694	0	%100 %100
53	M64	X	.401	.401	0	%100
54	M64	Z	.694	.694		%100 %100
55	M72	X	.024	.024	0	%100
56	M72	Z	.042	.042	0	%100 %100
57	M73	X	.027	.027	U	/0100

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

Eo I	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
58	M73	Z	.047	.047	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	0	0	0	%100
61	M75	X	.157	.157	0	%100
62	M75	Z	.272	.272	0	%100
63	M77	X	.367	.367	0	%100
64	M77	Z	.635	.635	0	%100
65	M78	X	.367	.367	0	%100
66	M78	Z	.635	.635	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	MP4C	X	.232	.232	0	%100
70	MP4C	Z	.402	.402	0	%100
71	MP3C	X	.232	.232	0	%100
72	MP3C	Z	.402	.402	0	%100
73	MP2C	X	.281	.281	0	%100
74	MP2C	Z	.487	.487	0	%100
75	MP1C	X	.232	.232	Ö	%100 %100
76	MP1C	Z	.402	.402	0	%100
77	M91	X	.257	.257	0	%100
78	M91	Z	.445	.445	0	%100
79	MP4B	X	.232	.232	Ö	%100
80	MP4B	Z	.402	.402	Ö	%100 %100
81	MP3B	X	.232	.232	0	%100 %100
82	MP3B	Z	.402	.402	Ö	%100
83	MP2B	X	.281	.281	Ö	%100 %100
84	MP2B	Z	.487	.487	0	%100 %100
85	MP1B	X	.232	.232	0	%100 %100
86	MP1B	Z	.402	.402	Ö	%100 %100
87	OVP1	X	.212	.212	Ö	%100 %100
88	OVP1	Z	.367	.367	Ö	%100 %100
89	M97	X	.211	.211	0	%100 %100
90	M97	Z	.365	.365	0	%100 %100
91	M102	X	0	0	0	%100 %100
92	M102	Z	0	Ö	Ö	%100 %100
93	M107	Х	.211	.211	0	%100 %100
94	M107	Z	.365	.365	0	%100 %100
95	M118	X	0	0	0	%100 %100
96	M118	Z	0	Ö	Ö	%100
97	M119	X	.266	.266	0	%100 %100
98	M119	Z	.46	.46	0	%100 %100
99	M120	X	.266	.266	0	%100 %100
100	M120	Z	.46	.46	0	%100 %100
101	M121	X	.249	.249	0	%100 %100
102	M121	Z	.431	.431	0	%100 %100
103	M123A	X	.44	.44	0	%100 %100
104	M123A	Z	.763	.763	0	%100 %100
105	M125	X	.249	.249	0	%100 %100
106	M125	Ž	.431	.431	0	%100 %100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft.F	Start Location[ft.%]	End Location[ft,%]
1	M48	X	0	0	0	%100
2	M48	Z	0	O O	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	1.069	1.069	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft		Start Location[ft,%]	End Location[ft,%]
5	M54	X	0	0	0	%100 %100
6	M54	Z	1.069	1.069	0	
7	M62	X	0	0	0	%100 %100
8	M62	Z	.065	.065	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	.072	.072	0	%100
11	M66	X	0	0	0	%100
12	M66	Z	.105	.105	0	%100
13	M67	X	0	0	0	%100
14	M67	Z	.105	.105	0	%100
15	M200	X	0	0	0	%100
16	M200	Z	.685	.685	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	.465	.465	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	.465	.465	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	.562	.562	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	.465	.465	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	.978	.978	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	.978	.978	0	%100
29	M36A	X	0	0	0	%100
30	M36A	Z	.632	.632	0	%100
31	M39A	X	0	0	0	%100
32	M39A	Z	.267	.267	0	%100
33	M40A	X	0	0	0	%100
34	M40A	Z	.267	.267	0	%100
	M48A	X	0	0	0	%100
35		Z	.016	.016	0	%100
36	M48A M49A	X	0	0	0	%100
37	M49A	Ž	.018	.018	0	%100
38	M50	X	0	0	0	%100
39	M50	Z	.419	.419	0	%100
40		X	0	0	0	%100
41	M51A	Z	.105	.105	0	%100
42	M51A	X	0	0	0	%100
43	M53A	Z	.245	.245	0	%100
44	M53A	X	0	0	0 *	%100
45	M54A	Ž	.245	.245	0	%100
46	M54A	X	0	0	0	%100
47	OVP2	Ž	.465	.465	0	%100
48	OVP2	X	.403	0	0	%100
49	M60A	Ž	.632	.632	0	%100
50	M60A	X	0	0	0	%100
51	M63A		.267	.267	0	%100
52	M63A	Z	0	0	0	%100
53	M64	X	.267	.267	Ö	%100
54	M64	Z	0	0	0	%100
55	M72	X		.016	0	%100
56	M72	Z	.016	0	0	%100
57	M73	X	0	.018	0	%100
58	M73	Z	.018	0	0	%100
59	M74	X	0	.105	0	%100
60	M74	Z	.105		0	%100
61	M75	X	0	0	U	70100

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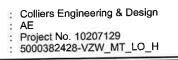
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Member Distributed Loads (BLC 71 : Structure Wm (180 Deg)) (Continued)

60	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
62	M75		.419	.419	Q	%100
63	M77	X	0	0	0	%100
64	M77	Z	.245	.245	0	%100
65	M78	X	0	0	0	%100
66	M78	Z	.245	.245	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	.171	.171	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	.465	.465	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	.465	.465	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	.562	.562	0	%100
75	MP1C	X	0	0.	0	%100
76	MP1C	Z	.465	.465	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	.171	.171	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	.465	.465	Ö	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	.465	.465	Ö	%100
83	MP2B	X	0	0	0	%100
84	MP2B	Z	.562	.562	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	.465	.465	0	%100
87	OVP1	X	0	0	0	%100
88	OVP1	Z	.423	.423	0	%100
89	M97	X	0	0	0	%100 %100
90	M97	Z	.562	.562	0	%100 %100
91	M102	X	0	0	0	%100 %100
92	M102	Z	.141	.141	Ö	%100 %100
93	M107	X	0	0	0	%100 %100
94	M107	Z	.141	.141	0	%100 %100
95	M118	X	0	0	0	%100 %100
96	M118	Z	.177	.177	0	%100 %100
97	M119	X	0	0	0	%100 %100
98	M119	Z	.177	.177	0	%100
99	M120	X	0	0	0	%100 %100
100	M120	Z	.709	.709	0	%100 %100
101	M121	X	0	0	0	%100 %100
102	M121	Z	.37	.37	0	%100 %100
103	M123A	X	0	0	0	%100 %100
104	M123A	Z	.753	.753	0	%100 %100
105	M125	X	0	0	0	%100 %100
106	M125	7	.753	.753	0	%100 %100

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

	Member Label	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft.F	Start Location[ft %]	End Location[ft,%]
1	M48	X	105	105	O CONTRACTOR OF THE CONTRACTOR	%100
2	M48	Z	.183	.183	0	%100 %100
3	M53	X	401	401	0	%100 %100
4	M53	Z	.694	.694	Ō	%100
5	M54	X	401	401	0	%100 %100
6	M54	Z	.694	.694	Ö	%100 %100
7	M62	X	024	024	n	%100 %100
8	M62	Z	.042	.042	0	%100 %100



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	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,9
9	M63	X	027	027	0	%100
10	M63	Z	.047	.047	0	%100
11	M66	X	0	0	0	%100
12	M66	Z	0	0	0	%100
13	M67	X	157	157	0	%100
	M67	Z	.272	.272	0	%100
14 15	M200	X	257	257	0	%100
	M200	Ž	.445	.445	0	%100
16		X	232	232	0	%100
17	MP4A	Ž	.402	.402	0	%100
18	MP4A	X	232	232	0	%100
19	MP3A		.402	.402	0	%100
20	MP3A	Z	281	281	0	%100
21	MP2A	X		.487	0	%100
22	MP2A	Z	.487	232	0	%100
23	MP1A	X	232		0	%100
24	MP1A	Z	.402	.402		%100
25	M37	X	367	367	0	%100 %100
26	M37	Z	.635	.635	0	
27	M38	X	367	367	0	%100 %400
28	M38	Z	.635	.635	0	%100
29	M36A	X	105	105	0	%100
30	M36A	Z	.183	.183	0	%100
31	M39A	X	401	401	0	%100
32	M39A	Z	.694	.694	0	%100
		X	401	401	0	%100
33	M40A	Z	.694	.694	0	%100
34	M40A	X	024	024	0	%100
35	M48A		.042	.042	0	%100
36	M48A	Z	027	027	0	%100
37	M49A	X		.047	0	%100
38	M49A	Z	.047	157	0	%100
39	M50	X	157		0	%100
40	M50	Z	.272	.272	0	%100 %100
41	M51A	X	0	0		%100 %100
42	M51A	Z	0	0	0	
43	M53A	X	367	367	0	%100
44	M53A	Z	.635	.635	0	%100
45	M54A	X	367	367	0	%100
46	M54A	Z	.635	.635	0	%100
47	OVP2	X	232	232	0	%100
	OVP2	Z	.402	.402	0	%100
48		X	421	421	0	%100
49	M60A		.73	.73	0	%100
50	M60A	X	0	0	0	%100
51	M63A		0	Ö	Ů Ů	%100
52	M63A	Z		0	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	0		0	%100 %100
55	M72	X	0	0	0	%100 %100
56	M72	Z	0	0		
57	M73	X	0	0	0	%100 %100
58	M73	Z	0	0	0	%100
59	M74	X	157	157	0	%100
60	M74	Z	.272	.272	0	%100
	M75	X	157	157	0	%100
61	M75	Z	.272	.272	0	%100
62	M77	X	0	0	0	%100
63		Z	0	0	0	%100
64 65	M77 M78	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
66	M78	Z	0	0	0	%100
67	M82	X	257	257	0	%100
68	M82	Z	.445	.445	0	%100
69	MP4C	X	232	232	0	%100
70	MP4C	Z	.402	.402	0	%100
71	MP3C	X	232	232	0	%100
72	MP3C	Z	.402	.402	0	%100
73	MP2C	X	281	281	0	%100
74	MP2C	Z	.487	.487	Ö	%100
75	MP1C	X	232	232	0	%100
76	MP1C	Z	.402	.402	0	%100
77	M91	X	0	0	Ö	%100 %100
78	M91	Z	0	Ŏ	0	%100 %100
79	MP4B	X	232	232	0	%100 %100
80	MP4B	Z	.402	.402	ő	%100 %100
81	MP3B	X	232	232	Ö	%100 %100
82	MP3B	Z	.402	.402	Ö	%100 %100
83	MP2B	X	281	281	Ö	%100 %100
84	MP2B	7	.487	.487	ő	%100 %100
85	MP1B	X	232	232	0	%100 %100
86	MP1B	Z	.402	.402	0	%100 %100
87	OVP1	X	212	212	0	%100 %100
88	OVP1	7	.367	.367	0	%100 %100
89	M97	X	211	211	0	%100 %100
90	M97	Z	.365	.365	0	%100 %100
91	M102	X	211	211	0	%100 %100
92	M102	Z	.365	.365	0	%100 %100
93	M107	X	0	0	0	%100 %100
94	M107	Z	0	0	0	%100
95	M118	X	266	266	0	%100 %100
96	M118	Z	.46	.46	0	%100 %100
97	M119	X	0	0	0	%100 %100
98	M119	Z	0	0	0	%100 %100
99	M120	X	266	266	0	%100 %100
100	M120	Z	.46	.46	0	%100 %100
101	M121	X	249	249	0	%100 %100
102	M121	Z	.431	.431	0	%100 %100
103	M123A	X	249	249	0	%100 %100
104	M123A	Ž	.431	.431	0	%100 %100
105	M125	X	44	44	0	
106	M125	Z	.763	.763	0	%100 %100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
1	M48	X	548	548	0	%100
2	M48	Z	.316	.316	0	%100
3	M53	X	231	231	0	%100 %100
4	M53	Z	.134	.134	0	%100 %100
5	M54	X	231	231	0	%100
6	M54	Z	.134	.134	0	%100
7	M62	X	014	014	0	%100 %100
8	M62	Z	.008	.008	Ü	%100
9	M63	X	016	016	0	%100 %100
10	M63	Z	.009	.009	0	%100
11	M66	X	091	091	n	%100 %100
12	M66	Z	.052	.052	0	%100 %100



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

13	M67 M67 M200 M200 MP4A MP4A MP3A MP3A MP2A MP2A MP1A MP1A MP1A	X Z X Z X Z X Z X	363 .209 148 .086 402 .232 402	363 .209 148 .086 402 .232 402	0 0 0 0 0	%100 %100 %100 %100 %100
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	M200 M200 MP4A MP4A MP3A MP3A MP2A MP2A MP1A	X Z X Z X Z	148 .086 402 .232 402 .232	148 .086 402 .232 402	0 0 0	%100 %100
16	M200 MP4A MP4A MP3A MP3A MP2A MP2A MP1A	Z X Z X Z X X X X X	.086 402 .232 402 .232	.086 402 .232 402	0	%100
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	MP4A MP4A MP3A MP3A MP2A MP2A MP1A MP1A	X Z X Z	402 .232 402 .232	402 .232 402	0	
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	MP4A MP3A MP3A MP2A MP2A MP1A MP1A	Z X Z X	.232 402 .232	.232 402		70 100
18	MP3A MP3A MP2A MP2A MP1A MP1A	Z X	402 .232	402		%100
19	MP3A MP2A MP2A MP1A MP1A	Z X	.232			%100 %100
20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	MP3A MP2A MP2A MP1A MP1A	X			0	
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	MP2A MP2A MP1A MP1A			.232	0	%100
22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	MP2A MP1A MP1A	Z	487	487	0	%100 %100
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	MP1A MP1A		.281	.281	0	
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43		X	402	402	0	%100 %100
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	M27	Z	.232	.232	0	%100 %100
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	IVI-0/	X	212	212	0	
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	M37	Z	.122	.122	0	%100
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	M38	X	212	212	0	%100
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	M38	Z	.122	.122	0	%100
30 31 32 33 34 35 36 37 38 39 40 41 42 43	M36A	X	0	0	0	%100 %100
31 32 33 34 35 36 37 38 39 40 41 42 43	M36A	Z	0	0	0	%100 %100
32 33 34 35 36 37 38 39 40 41 42 43	M39A	X	926	926	0	
33 34 35 36 37 38 39 40 41 42 43	M39A	Z	.534	.534	0	%100 %100
34 35 36 37 38 39 40 41 42 43	M40A	X	926	926	0	%100
35 36 37 38 39 40 41 42 43	M40A	Z	.534	.534	0	%100
36 37 38 39 40 41 42 43	M48A	X	056	056	0	%100
37 38 39 40 41 42 43	M48A	Z	.032	.032	0	%100
38 39 40 41 42 43	M49A	X	063	063	0	%100
39 40 41 42 43	M49A	Z	.036	.036	0	%100
40 41 42 43	M50	X	091	091	0	%100
41 42 43	M50	Z	.052	.052	0	%100
42 43	M51A	X	091	091	0	%100
43	M51A	Z	.052	.052	0	%100
	M53A	X	847	847	0	%100
44	M53A	Z	.489	.489	0	%100
45	M54A	X	847	847	00	%100
46	M54A	Z	.489	.489	0	%100
47	OVP2	X	402	402	0	%100
48	OVP2	Z	.232	.232	0	%100
49	M60A	X	548	548	00	%100
50	M60A	Z	.316	.316	0	%100
51	M63A	X	231	231	00	%100
52	M63A	Z	.134	.134	0	%100
53	M64	X	231	231	00	%100
54	M64	Z	.134	.134	0	%100
55	M72	X	014	014	00	%100
56	M72	Z	.008	.008	0	%100
57	M73	X	016	016	0	%100
58	M73	Z	.009	.009	0	%100
59	M74	X	363	363	0	%100
60	M74	Ž	.209	.209	0	%100
61	M75	X	091	091	0	%100
62	M75	Z	.052	.052	0	%100
	M77	X	212	212	0	%100
63		Z	.122	.122	0	%100
64	M77 M78	X	212	212	0	%100
65		Z	.122	.122	0	%100
66	M78 M82	X	593	593	0	%100
67	MRZ	Z	.342		0	%100
68 69	M82	,	347	.342	U	

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
70	MP4C	Z	.232	.232	0	%100
71	MP3C	X	402	402	0	%100
72	MP3C	Z	.232	.232	0	%100
73	MP2C	X	487	487	0	%100
74	MP2C	Z	.281	.281	0	%100
75	MP1C	X	402	402	0	%100
76	MP1C	Z	.232	.232	0	%100
77	M91	X	148	148	0	%100
78	M91	Z	.086	.086	0	%100
79	MP4B	X	402	402	0	%100
80	MP4B	Z	.232	.232	0	%100
81	MP3B	X	402	402	0	%100
82	MP3B	Z	.232	.232	0	%100
83	MP2B	X	487	487	0	%100
84	MP2B	Z	.281	.281	0	%100
85	MP1B	X	402	402	0	%100
86	MP1B	Z	.232	.232	Ö	%100
87	OVP1	X	367	367	0	%100
88	OVP1	Z	.212	.212	0	%100
89	M97	X	122	122	Ö	%100
90	M97	Z	.07	.07	Ö	%100
91	M102	X	487	487	Ö	%100 %100
92	M102	Z	.281	.281	ő	%100
93	M107	X	122	122	Ö	%100 %100
94	M107	Z	.07	.07	0	%100
95	M118	X	614	614	0	%100
96	M118	Z	.354	.354	0	%100
97	M119	X	153	153	Ö	%100 %100
98	M119	Z	.089	.089	Ö	%100
99	M120	X	153	153	0	%100
100	M120	Z	.089	.089	0	%100
101	M121	X	652	652	0	%100 %100
102	M121	Z	.377	.377	0	%100
103	M123A	X	321	321	0	%100
104	M123A	Z	.185	.185	0	%100 %100
105	M125	X	652	652	0	%100 %100
106	M125	Z	.377	.377	Ö	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
1	M48	X	- 843	843	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	0	0	Ö	%100
5	M54	X	0	0	0	%100
6	M54	Z	0	0	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	0	0	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	0	0	0	%100
11	M66	X	314	314	0	%100
12	M66	Z	0	0	0	%100
13	M67	X	314	314	0	%100
14	M67	Z	0	0	0	%100 %100
15	M200	X	0	0	0	%100 %100
16	M200	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,% %100
17	MP4A	X	465	465	0	%100 %100
18	MP4A	Z	0	0	0	%100 %100
19	MP3A	X	465	465	0	%100 %100
20	MP3A	Z	0	0	0	
21	MP2A	X	562	562	0	%100 %100
22	MP2A	Z	0	0	0	%100 %100
23	MP1A	X	465	465	0	%100 %100
24	MP1A	Z	0	0	0	
25	M37	X	0	0	0	%100 %100
26	M37	Z	0	0	0	%100
27	M38	X	0	0	0	%100 %100
28	M38	Z	0	0	0	
29	M36A	X	211	211	0	%100
30	M36A	Z	0	0	0	%100
31	M39A	X	802	802	0	%100
32	M39A	Z	0	0	0	%100
33	M40A	X	802	802	0	%100
34	M40A	Z	0	0	0	%100
35	M48A	X	048	048	0	%100
36	M48A	Z	0	0	0	%100
37	M49A	X	054	054	0	%100
38	M49A	Z	0	0	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	0	0	0	%100
41	M51A	X	314	314	0	%100
42	M51A	Z	0	0	0	%100
43	M53A	X	734	734	.0	%100
44	M53A	Z	0	0	0	%100
45	M54A	X	734	734	0	%100
46	M54A	Z	0	0	0	%100
47	OVP2	X	465	465	0	%100
48	OVP2	Z	0	0	0	%100
49	M60A	X	211	211	0	%100
50	M60A	Z	0	0	0	%100
51	M63A	X	802	802	0	%100
52	M63A	Z	0	0	0	%100
53	M64	X	802	802	0	%100
54	M64	Z	0	0	0	%100
55	M72	X	048	048	0	%100
56	M72	Z	0	0	0	%100
57	M73	X	054	054	0	%100
58	M73	Z	0	0	0	%100
59	M74	X	314	314	0	%100
60	M74	Z	0	0	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	0	0	0	%100
63	M77	X	734	734	0	%100
64	M77	Z	0	0	0	%100
65	M78	X	734	734	0	%100
	M78	Z	0	0	0	%100
66	M82	X	514	514	0	%100
67		Z	0	0	0	%100
68	M82	X	465	465	0	%100
69	MP4C	Z	0	0	0	%100
70	MP4C	X	465	465	0	%100
71	MP3C	Z	0	0	0	%100
72	MP3C	X	562	562	0	%100
73	MP2C		.002			

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
74	MP2C	Z	0	0	0	%100
75	MP1C	X	465	465	0	%100
76	MP1C	Z	0	0	0	%100
77	M91	X	514	514	0	%100
78	M91	Z	0	0	0	%100
79	MP4B	X	465	465	0	%100
80	MP4B	Z	0	0	0	%100
81	MP3B	X	465	465	0	%100 %100
82	MP3B	Z	0.	0	0	%100 %100
83	MP2B	X	562	562	Ō	%100 %100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	465	465	0	%100 %100
86	MP1B	Z	0	0	0	%100 %100
87	OVP1	X	423	423	0	%100 %100
88	OVP1	Z	0	0	0	%100 %100
89	M97	X	0	0	0	%100 %100
90	M97	Z	0	0	0	%100
91	M102	X	422	422	0	%100 %100
92	M102	Z	0	0	0	%100 %100
93	M107	X	422	422	0	%100 %100
94	M107	Z	0	0	Ö	%100 %100
95	M118	X	532	532	0	%100 %100
96	M118	Z	0	552	0	%100 %100
97	M119	X	532	532	0	%100 %100
98	M119	Z	332	552	0	
99	M120	X	0	0	0	%100 %400
100	M120	Z	0	0	0	%100
101	M121	X	881	881		<u>%100</u>
102	M121	Z	001	001	0	%100
103	M123A	X	498		0	%100
104	M123A	Z	490	498	0	%100
105	M125	X			0	%100
106	M125	Ž	498	498	0	%100
1001	WITZJ		0	0	0	%100

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

	Member Label	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
1	M48	X	548	548	0	%100
2	M48	Z	316	316	0	%100
3	M53	X	231	231	0	%100
4	M53	Z	134	134	0	%100
5	M54	X	231	231	0	%100
6	M54	Z	134	134	0	%100
7	M62	X	014	014	0	%100
8	M62	Z	008	008	0	%100
9	M63	X	016	016	Ö	%100 %100
10	M63	Z	009	009	0	%100
11	M66	X	363	363	0	%100
12	M66	Z	209	209	0	%100
13	M67	X	091	091	0	%100
14	M67	Z	052	052	0	%100
15	M200	X	148	148	0	%100
16	M200	Z	086	086	0	%100
17	MP4A	X	402	402	0	%100
18	MP4A	Z	232	232	Ō	%100
19	MP3A	X	402	402	0	%100
20	MP3A	Z	232	232	Ö	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%] %100
21	MP2A	X	487	487	0	%100 %100
22	MP2A	Z	281	281	0	%100 %100
23	MP1A	X	402	402	0	%100 %100
24	MP1A	Z	232	232	0	%100 %100
25	M37	X	212	212	0	
26	M37	Z	122	122	0	%100
27	M38	X	212	212	0	%100
28	M38	Z	122	122	0	%100
29	M36A	X	548	548	0	%100
30	M36A	Z	316	316	0	%100
31	M39A	X	231	231	0	%100
32	M39A	Z	134	134	0	%100
33	M40A	X	-,231	231	0	%100
34	M40A	Z	134	134	0	%100
35	M48A	X	014	014	0	%100
36	M48A	Z	008	008	0	%100
37	M49A	X	016	016	0	%100
38	M49A	Z	009	009	0	%100
39	M50	X	091	091	0	%100
40	M50	Z	052	052	0	%100
41	M51A	X	363	363	0	%100
42	M51A	Z	209	209	0	%100
43	M53A	X	212	212	0	%100
44	M53A	Z	122	122	0	%100
45	M54A	X	212	212	0	%100
46	M54A	Z	122	122	0	%100
47	OVP2	X	402	402	0	%100
48	OVP2	Z	232	232	0	%100
49	M60A	X	0	0	0	%100
50	M60A	Z	0	0	0	%100
51	M63A	X	926	926	0	%100
52	M63A	Z	534	534	0	%100
	M64	X	926	926	0	%100
53	M64	Z	534	534	0	%100
54	M72	X	056	056	0	%100
55	M72	Z	032	032	0	%100
56	M73	X	063	063	0	%100
57	M73	Z	036	036	0	%100
58	M74	X	091	091	0	%100
59	M74	Z	052	052	0	%100
60		X	091	091	0	%100
61	M75	Z	052	052	0	%100
62	M75	X	847	847	0	%100
63	M77	Ž	489	489	0	%100
64	M77	X	847	847	0	%100
65	M78	Z	489	489	Ö	%100
66	M78		148	148	Ö	%100
67	M82	X	086	086	Ö	%100
68	M82	Z	402	402	0	%100
69	MP4C	X	402	232	ő	%100
70	MP4C	Z		402	0	%100
71	MP3C	X	402	232	0	%100
72	MP3C	Z	232	487	0	%100
73	MP2C	X	487		0	%100
74	MP2C	Z	281	281	0	%100
75	MP1C	X	402	402		%100
76	MP1C	Z	232	232	0	%100 %100
77	M91	X	593	593	<u> </u>	/0100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
78	M91	Z	342	342	0	%100
79	MP4B	X	402	402	0	%100
80	MP4B	Z	232	232	0	%100
81	MP3B	X	402	402	0	%100
82	MP3B	Z	232	232	0	%100
83	MP2B	X	487	487	0	%100
84	MP2B	Z	281	281	0	%100
85	MP1B	X	402	402	0	%100
86	MP1B	Z	232	232	0	%100
87	OVP1	X	367	367	Ö	%100 %100
88	OVP1	Z	212	212	Ö	%100 %100
89	M97	X	122	122	0	%100
90	M97	Z	07	07	Ö	%100
91	M102	X	122	122	Ö	%100 %100
92	M102	Z	07	07	Ö	%100 %100
93	M107	X	487	487	0	%100 %100
94	M107	Z	281	281	Ö	%100 %100
95	M118	X	153	153	Ö	%100 %100
96	M118	Z	089	089	Ö	%100
97	M119	X	614	614	0	%100 %100
98	M119	Z	354	354	Ö	%100 %100
99	M120	X	153	-,153	Ö	%100
100	M120	Z	089	089	ŏ	%100 %100
101	M121	X	652	652	0	%100 %100
102	M121	Z	377	377	Ö	%100 %100
103	M123A	X	652	652	0	%100
104	M123A	Z	377	377	0	%100 %100
105	M125	X	321	321	0	%100 %100
106	M125	Z	185	185	0	%100 %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	M48	X	105	105	0	%100
2	M48	Z	183	183	0	%100
3	M53	X	401	401	0	%100
4	M53	Z	694	694	- 0	%100
5	M54	X	401	401	0	%100
6	M54	Z	694	694	0	%100
7	M62	X	024	024	0	%100
8	M62	Z	042	042	0	%100
9	M63	X	027	027	0	%100
10	M63	Z	047	047	0	%100
11	M66	X	157	157	0	%100
12	M66	Z	272	272	0	%100
13	M67	X	0	0	0	%100
14	M67	Z	0	Ŏ	0	%100 %100
15	M200	X	257	257	0	%100
16	M200	Z	445	445	0	%100
17	MP4A	Х	232	232	0	%100 %100
18	MP4A	Z	402	402	0	%100
19	MP3A	X	232	232	0	%100
20	MP3A	Z	402	402	0	%100 %100
21	MP2A	X	281	281	0	%100 %100
22	MP2A	Z	487	487	0	%100 %100
23	MP1A	X	232	232	0	%100 %100
24	MP1A	Z	402	402	0	%100 %100



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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
25	M37	X	367	367	0	%100 %100
26	M37	Z	635	635	0	%100 %100
27	M38	X	367	367	0	%100 %100
28	M38	Z	635	635	0	%100 %100
29	M36A	X	421	421	0	%100 %100
30	M36A	Z	73	73	0	%100 %100
31	M39A	X	0	0	0	%100 %100
32	M39A	Z	0	0	0	%100 %100
33	M40A	X	0	0	0	%100
34	M40A	Z	0	0	0	
35	M48A	X	0	0	0	<u>%100</u>
36	M48A	Z	0	0	0	%100
37	M49A	X	0	0	0	%100
38	M49A	Z	0	0	0	%100
39	M50	X	157	157	0	%100
40	M50	Z	272	272	0	%100
41	M51A	X	157	157	0	%100
42	M51A	Z	272	272	0	%100 %400
43	M53A	X	0	0	0	%100
44	M53A	Z	0	0	0	%100
45	M54A	X	0	0	0	%100
46	M54A	Z	0	0	0	%100
47	OVP2	X	232	232	0	%100
48	OVP2	Z	402	402	0	%100
49	M60A	X	105	105	0	%100
50	M60A	Z	183	183	0	%100
51	M63A	X	401	401	0	%100
52	M63A	Z	694	694	0	%100
53	M64	X	401	401	00	%100
54	M64	Z	694	694	0	%100
55	M72	X	024	024	0	%100
56	M72	Z	042	042	0	%100
57	M73	X	027	027	.0	%100
58	M73	Z	047	047	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	0	0	0	%100
	M75	X	157	157	0	%100
61	M75	Z	272	272	0	%100
62	M77	X	367	367	0	%100
63	M77	Z	635	635	0	%100
64	M78	X	367	367	0	%100
65		Z	635	635	0	%100
66	M78	- V	0	0	0	%100
67	M82	Z	0	Ŏ	0	%100
68	M82	X	232	232	0	%100
69	MP4C	Z	402	402	0	%100
70	MP4C	X	232	232	0	%100
71	MP3C	Z	402	402	0	%100
72	MP3C	X	281	281	0	%100
73	MP2C		487	487	0	%100
74	MP2C	Z	232	232	0	%100
75	MP1C	X	402	402	0	%100
76	MP1C	Z	257	257	0	%100
77	M91	X	445	445	0	%100
78	M91	Z	232	232	Ö	%100
79	MP4B	X		402	0	%100
80	MP4B	Z	402 232	232	0	%100
81	MP3B	X	232	-,232		

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft.%]
82	MP3B	Z	402	402	0	%100
83	MP2B	X	281	281	0	%100
84	MP2B	Z	487	487	0	%100
85	MP1B	X	232	232	0	%100
86	MP1B	Z	402	402	0	%100
87	OVP1	X	212	212	0	%100 %100
88	OVP1	Z	367	367	0	%100 %100
89	M97	X	211	211	0	%100 %100
90	M97	Z	365	365	0	%100 %100
91	M102	X	0	0	0	%100 %100
92	M102	Z	0	0	0	%100 %100
93	M107	X	211	211	0	%100 %100
94	M107	Z	365	365	0	%100 %100
95	M118	X	0	0	0	%100 %100
96	M118	Z	0	0	0	%100
97	M119	X	266	266	Ö	%100 %100
98	M119	Z	46	46	0	%100
99	M120	X	266	266	0	%100 %100
100	M120	Z	46	46	Ö	%100 %100
101	M121	X	249	249	0	%100 %100
102	M121	Z	431	431	Ŏ	%100 %100
103	M123A	X	44	44	Ö	%100 %100
104	M123A	Z	763	763	Ö	%100 %100
105	M125	X	249	249	0	%100 %100
106	M125	Z	431	431	Ö	%100 %100

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

	Member Label	Direction	Start MagnitudeIlb/ft.	End Magnitude[lb/ft,F.	Start Location(ft %)	End Location[ft,%]
1	M53	Y	-2.499	-2.499	O Clare Ecocation (11, 76)	1.438
2	M54	Y	-2.496	-2.496	.631	2.083
3	M62	Υ	934	-2.533	0	.419
4	M62	Y	-2.533	-4.746	.419	.839
5	M62	Y	-4.746	-5.585	.839	1.258
6	M62	Y	-5.585	-2.546	1.258	1.678
7	M62	Y	-2.546	08	1.678	2.097
8	M63	Y	-1.123	-2.682	0	.612
9	M63	Y	-2.682	-4.757	.612	1.224
10	M63	Y	-4.757	-5.291	1.224	1.836
11	M63	Y	-5.291	-3.218	1.836	2.447
12	M63	Y	-3.218	592	2.447	3.059
13	M66	Y	-1.92	-1.632	0	.683
14	M66	Y	-1.632	-1.911	.683	1.367
15	M66	Y	-1.911	-1.845	1.367	2.05
16	M66	Y	-1.845	-1.555	2.05	2.733
17	M66	Y	-1.555	-1.951	2.733	3,417
18	M67	Y	-2.172	-1.745	0	.683
19	M67	Y	-1.745	-1.928	.683	1,367
20	M67	Υ	-1.928	-1.91	1.367	2.05
21	M67	Υ	-1.91	-1.659	2.05	2.733
22	M67	Y	-1.659	-1.986	2.733	3.417
23	M37	Y	-1.715	-1.715	0	.345
24	M38	Y	-3.013	-3.013	.169	.375
25	M39A	Y	-2,499	-2.499	.109	1.438
26	M40A	Y	-2.496	-2.496	.631	2.083
27	M48A	Y	501	-3.096	0	.524
28	M48A	Y	-3.096	-5.297	.524	1.049



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	1.049	End Location[ft 1.573
29	M48A	Y	-5.297	-3.926	1.573	2.097
30	M48A	Y	-3.926	-3.219	0	.612
31	M49A	Y	586	-5.294	.612	1.224
32	M49A	Y	-3.219		1.224	1.836
33	M49A	Y	-5.294	-4.754	1.836	2.447
34	M49A	Y	-4.754	-2.681	2.447	3.059
35	M49A	Y	-2.681	-1.129	0	.683
36	M50	Y	-1.92	-1.632	.683	1.367
37	M50	Y	-1.632	-1.909	1.367	2.05
38	M50	Y	-1.909	-1.843		2.733
39	M50	Y	-1.843	-1.555	2.05	3.417
40	M50	Y	-1.555	-1.951	2.733	
11	M51A	Y	-2.172	-1.745	0	.683 1,367
12	M51A	Y	-1.745	-1.931	.683	2.05
43	M51A	Y	-1.931	-1.912	1.367	
44	M51A	Υ	-1.912	-1.659	2.05	2.733
45	M51A	Y	-1.659	-1.986	2.733	3.417
46	M53A	Y	-1.715	-1.715	0	.345
47	M54A	Υ	-3.013	-3.013	.169	.375
48	M63A	Y	-2.499	-2.499	0	1.438
49	M64	Υ	-2.496	-2.496	.631	2.083
50	M72	Υ	501	-3.095	0	.524
51	M72	Υ	-3.095	-5.297	.524	1.049
52	M72	Y	-5.297	-3.926	1.049	1.573
53	M72	Y	-3.926	328	1.573	2.097
54	M73	Y	586	-3.219	0	.612
55	M73	Y	-3.219	-5.294	.612	1.224
56	M73	Y	-5.294	-4.754	1.224	1.836
57	M73	Ý	-4.754	-2.681	1.836	2.447
58	M73	Ý	-2.681	-1.129	2.447	3.059
59	M74	Ý	-1.92	-1.632	0	.683
60	M74	Ý	-1.632	-1.909	.683	1.367
61	M74	Ý	-1.909	-1.843	1.367	2.05
62	M74	Y	-1.843	-1.555	2.05	2.733
	M74	Ý	-1.555	-1.951	2.733	3.417
63	M75	Y	-2.172	-1.745	0	.683
64	M75	Y	-1.745	-1.931	.683	1.367
65		Y	-1.931	-1.912	1.367	2.05
66	M75	Y	-1.912	-1.659	2.05	2.733
67	M75	Y	-1.659	-1.986	2.733	3.417
68	M75	Y	-1.715	-1.715	0	.345
69 70	M77 M78	Y	-3.013	-3.013	.169	.375

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

	Mambarl abol	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%]
4	Member Label	V	-4.763	-4.763	0	1.438
1	M53	V	-4.758	-4.758	.631	2.083
2	M54	Y Y	-1.781	-4.828	0	.419
3	M62	Y	-4.828	-9.045	.419	.839
4	M62	Y	-9.045	-10.645	.839	1.258
5	M62	Y		-4.853	1.258	1.678
6	M62	Y	-10.645		1.678	2.097
7	M62	Y	-4.853	152	1.076	.612
8	M63	Υ	-2.14	-5.113	C40	1.224
9	M63	Y	-5.113	-9.066	.612	
10	M63	Y	-9.066	-10.084	1.224	1.836
11	M63	Υ	-10.084	-6.133	1.836	2.447

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

12	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F		End Location[ft,%]
13	M63	Y	-6.133	-1.128	2.447	3.059
14	M66	Y	-3.659	-3.111	0	.683
15	M66 M66	Y	-3.111	-3.642	.683	1.367
		Y	-3.642	-3.516	1.367	2.05
16 17	M66	Y	-3.516	-2.964	2.05	2.733
	M66	Y	-2.964	-3.719	2.733	3.417
18	M67	Y	-4.139	-3.326	0	.683
19	M67	Y	-3.326	-3.675	.683	1.367
20	M67	Y	-3.675	-3.64	1.367	2.05
21	M67	Y	-3.64	-3.161	2.05	2.733
22	M67	Y	-3.161	-3.786	2.733	3.417
23	M37	Y	-3.268	-3.268	0	.345
24	M38	Y	-5.743	-5.743	.169	.375
25	M39A	Y	-4.763	-4.763	0	1.438
26	M40A	Y	-4.758	-4.758	.631	2.083
27	M48A	Y	955	-5.9	0	.524
28	M48A	Υ	-5.9	-10.096	.524	1.049
29	M48A	Y	-10.096	-7.483	1.049	1.573
30	M48A	Υ	-7.483	624	1.573	2.097
31	M49A	Y	-1.117	-6.136	0	.612
32	M49A	Y	-6.136	-10.09	.612	1.224
33	M49A	Y	-10.09	-9.061	1.224	1.836
34	M49A	Y	-9.061	-5.109	1.836	2.447
35	M49A	Y	-5.109	-2.151	2.447	3.059
36	M50	Y	-3.659	-3.111	0	.683
37	M50	Y	-3.111	-3.638	.683	1.367
38	M50	Y	-3.638	-3.512	1.367	2.05
39	M50	Υ	-3.512	-2.964	2.05	2.733
40	M50	Y	-2.964	-3.719	2.733	3.417
41	M51A	Y	-4.139	-3.326	0	.683
42	M51A	Y	-3.326	-3.679	.683	1.367
43	M51A	Y	-3.679	-3.644	1.367	2.05
44	M51A	Y	-3.644	-3.161	2.05	2.733
45	M51A	Y	-3.161	-3.786	2.733	3.417
46	M53A	Υ	-3.268	-3.268	0	.345
47	M54A	Y	-5.743	-5.743	.169	.375
48	M63A	Υ	-4.763	-4.763	0	1.438
49	M64	Υ	-4.758	-4.758	.631	2.083
50	M72	Y	955	-5.9	0	.524
51	M72	Υ	-5.9	-10.096	.524	1.049
52	M72	Y	-10.096	-7.483	1.049	1.573
53	M72	Υ	-7.483	624	1.573	2.097
54	M73	Υ	-1.117	-6.136	0	.612
55	M73	Υ	-6.136	-10.09	.612	1.224
56	M73	Υ	-10.09	-9.061	1.224	1.836
57	M73	Υ	-9.061	-5.109	1.836	2.447
58	M73	Y	-5.109	-2.151	2.447	3.059
59	M74	Υ	-3.659	-3.111	0	.683
60	M74	Y	-3.111	-3.638	.683	1.367
61	M74	Y	-3.638	-3.512	1.367	2.05
62	M74	Y	-3.512	-2.964	2.05	2.733
63	M74	Y	-2.964	-3.719	2.733	3.417
64	M75	Y	-4.139	-3.326	0	.683
65	M75	Y	-3.326	-3.68	.683	1.367
66	M75	Y	-3.68	-3.644	1.367	2.05
67	M75	Y	-3.644	-3.161	2.05	2.733
UL			-U.U44	-3.101	Z.UD	1 1.5.5



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
69	M77	Y	-3.268	-3.268	0	.345
70	M78	Y	-5.743	-5.743	.169	.375

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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F		End Location[ft,%]
1	M53	Y	108	108	0	1.438
2	M54	Y	108	108	.631	2.083
3	M62	Y	04	11	0	.419
4	M62	Y	11	205	.419	.839
5	M62	Y	205	242	.839	1.258
6	M62	Y	242	11	1.258	1.678
7	M62	Y	11	003	1.678	2.097
8	M63	Y	049	116	0	.612
9	M63	Y	116	206	.612	1.224
10	M63	Y	206	229	1.224	1.836
11	M63	Y	229	139	1.836	2.447
12	M63	Y	139	026	2.447	3.059
13	M66	Y	083	071	0	.683
14	M66	Y	071	083	.683	1.367
15	M66	Y	083	08	1.367	2.05
16	M66	Y	08	067	2.05	2.733
17	M66	Y	067	084	2.733	3.417
18	M67	Y	094	076	0	.683
19	M67	Y	076	083	.683	1.367
20	M67	Υ	083	083	1.367	2.05
21	M67	Y	083	072	2.05	2.733
22	M67	Y	072	086	2.733	3.417
23	M37	Y	074	074	0	.345
24	M38	Y	13	13	.169	.375
25	M39A	Y	108	108	0	1.438
26	M40A	Υ	108	108	.631	2.083
27	M48A	Y	022	134	0	.524
28	M48A	Y	134	229	.524	1.049
29	M48A	Y	229	17	1.049	1.573
30	M48A	Υ	17	014	1.573	2.097
31	M49A	Y	025	139	0	.612
32	M49A	Y	139	229	.612	1.224
33	M49A	Y	229	206	1.224	1.836
34	M49A	Υ	206	116	1.836	2.447
35	M49A	Υ	116	049	2.447	3.059
36	M50	Y	083	071	0	.683
37	M50	Y	071	083	.683	1.367
38	M50	Y	083	08	1.367	2.05
39	M50	Y	08	067	2.05	2.733
40	M50	Υ	067	084	2.733	3.417
41	M51A	Y	094	076	0	.683
42	M51A	Y	076	084	.683	1.367
43	M51A	Y	084	083	1.367	2.05
44	M51A	Y	083	072	2.05	2.733
45	M51A	Y	072	086	2.733	3.417
46	M53A	Y	074	074	0	.345
47	M54A	Y	13	13	.169	.375
48	M63A	Y	108	108	0	1.438
49	M64	Y	108	108	.631	2.083
50	M72	Y	022	134	0	.524
51	M72	Y	134	229	.524	1.049

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
52	M72	Y	229	17	1.049	1.573
53	M72	Υ	-,17	014	1.573	2.097
54	M73	Y	025	139	0	.612
55	M73	Υ	139	229	.612	1.224
56	M73	Y	229	206	1.224	1.836
57	M73	Y	206	116	1.836	2.447
58	M73	Y	116	049	2.447	3.059
59	M74	Y	083	071	0	.683
60	M74	Y	071	083	.683	1.367
61	M74	Y	083	08	1.367	2.05
62	M74	Y	08	067	2.05	2.733
63	M74	Y	067	084	2.733	3.417
64	M75	Y	094	076	0	.683
65	M75	Y	076	084	.683	1.367
66	M75	Y	084	083	1.367	2.05
67	M75	Y	083	072	2.05	2.733
68	M75	Y	072	086	2.733	3.417
69	M77	Y	074	074	0	.345
70	M78	Y	13	13	.169	.375

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	M53	Z	271	271	0	1.438
2	M54	Z	27	27	.631	2.083
3	M62	Z	101	274	0	.419
4	M62	Z	274	514	419	.839
5	M62	Z	514	605	.839	1.258
6	M62	Z	605	276	1.258	1.678
7	M62	Z	276	009	1.678	2.097
8	M63	Z	122	29	0	.612
9	M63	Z	29	515	.612	1.224
10	M63	Z	515	573	1.224	1.836
11	M63	Z	573	348	1.836	2.447
12	M63	Z	348	064	2.447	3.059
13	M66	Z	208	177	0	.683
14	M66	Z	177	207	.683	1.367
15	M66	Z	207	2	1.367	2.05
16	M66	Z	2	168	2.05	2.733
17	M66	Z	168	211	2.733	3.417
18	M67	Z	235	189	0	.683
19	M67	Z	189	209	.683	1.367
20	M67	Z	209	207	1.367	2.05
21	M67	Z	207	18	2.05	2.733
22	M67	Z	18	215	2.733	3.417
23	M37	Z	186	186	0	.345
24	M38	Z	326	326	.169	.375
25	M39A	Z	271	271	0	1.438
26	M40A	Z	27	27	.631	2.083
27	M48A	Z	054	335	0	.524
28	M48A	Z	335	574	.524	1.049
29	M48A	Z	574	425	1.049	1.573
30	M48A	Z	425	035	1.573	2.097
31	M49A	Z	063	349	0	.612
32	M49A	Z	349	573	.612	1.224
33	M49A	Z	573	515	1,224	1.836
34	M49A	7	515	29	1.836	2.447

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

	Member Label	Direction	Start Magnitudeflb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
35	M49A	Z	29	122	2.447	3.059
36	M50	Z	208	177	0	.683
37	M50	Z	177	207	.683	1.367
38	M50	Z	207	2	1.367	2.05
39	M50	Z	2	168	2.05	2.733
40	M50	Z	168	211	2.733	3.417
41	M51A	Z	235	189	0	.683
42	M51A	Z	-,189	209	.683	1.367
	M51A	Z	209	207	1.367	2.05
43	M51A	Z	207	18	2.05	2.733
44		Z	18	215	2.733	3.417
45	M51A M53A	Z	186	186	0	.345
46		Z	326	326	.169	.375
47	M54A	Z	271	271	0	1.438
48	M63A	Z	27	27	.631	2.083
49	M64	Z	054	335	0	.524
50	M72	Z	335	574	.524	1.049
51	M72		574	425	1.049	1.573
52	M72	Z	425	035	1.573	2.097
53	M72	Z Z	425	349	0	.612
54	M73			573	.612	1.224
55	M73	Z	349		1.224	1.836
56	M73	Z	573	515	1.836	2.447
57	M73	Z	515	29	2.447	3.059
58	M73	Z	29	122	0	.683
59	M74	Z	208	177	.683	1.367
60	M74	Z	177	207	1,367	2.05
61	M74	Z	207	2		2.733
62	M74	Z	2	168	2.05	
63	M74	Z	168	211	2.733	3.417
64	M75	Z	235	189	0	.683
65	M75	Z	189	209	.683	1.367
66	M75	Z	209	207	1.367	2.05
67	M75	Z	207	18	2.05	2.733
68	M75	Z	18	215	2.733	3.417
69	M77	Z	186	186	0	.345
70	M78	7	326	326	.169	.375

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	M53	X	.271	.271	0	1.438
2	M54	X	.27	.27	.631	2.083
3	M62	X	.101	.274	0	.419
4	M62	X	.274	.514	.419	.839
5	M62	X	.514	.605	.839	1.258
6	M62	X	.605	.276	1.258	1.678
7	M62	X	.276	.009	1.678	2.097
8	M63	X	.122	.29	0	.612
9	M63	X	.29	.515	.612	1.224
10	M63	X	.515	.573	1.224	1.836
11	M63	X	.573	.348	1.836	2.447
12	M63	X	.348	.064	2.447	3.059
	M66	X	.208	.177	0	.683
13		X	.177	.207	.683	1.367
14	M66 M66	X	.207	2	1.367	2.05
15		X	.2	.168	2.05	2.733
16	M66 M66	X	.168	.211	2.733	3.417

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitudellb/ft.F	. Start Location[ft.%]	End Location[ft.%]
18	M67	X	.235	.189	0	.683
19	M67	X	.189	.209	.683	1.367
20	M67	X	.209	.207	1.367	2.05
21	M67	X	.207	.18	2.05	2.733
22	M67	X	.18	.215	2.733	3,417
23	M37	X	.186	.186	0	.345
24	M38	X	.326	.326	.169	.375
25	M39A	X	.271	.271	0	1.438
26	M40A	X	.27	.27	.631	2.083
27	M48A	X	.054	.335	0	.524
28	M48A	X	.335	.574	.524	1.049
29	M48A	X	.574	.425	1.049	1.573
30	M48A	X	.425	.035	1.573	2.097
31	M49A	X	.063	.349	0	.612
32	M49A	X	.349	.573	.612	1.224
33	M49A	X	.573	.515	1.224	1.836
34	M49A	X	.515	.29	1.836	2.447
35	M49A	X	.29	.122	2.447	3.059
36	M50	X	.208	.177	0	.683
37	M50	X	.177	.207	.683	1.367
38	M50	X	.207	.2	1.367	2.05
39	M50	X	.2	.168	2.05	2.733
40	M50	X	.168	.211	2.733	3.417
41	M51A	X	.235	.189	0	.683
42	M51A	X	.189	.209	.683	1.367
43	M51A	X	.209	.207	1.367	
44	M51A	X	.207	.18	2.05	2.05 2. 7 33
45	M51A	X	.18	.215	2.733	3.417
46	M53A	X	.186	.186	0	
47	M54A	X	.326	.326	.169	.345
48	M63A	X	.271	.271	0	.375
49	M64	X	.27	.27	.631	1.438
50	M72	X	.054	.335	0	2.083 .524
51	M72	X	.335	.574	.524	1.049
52	M72	X	.574	.425	1.049	1.573
53	M72	X	.425	.035	1.573	
54	M73	X	.063	.349	0	2.097 .612
55	M73	X	.349	.573	.612	1.224
56	M73	X	.573	.575	1.224	1.836
57	M73	X	.515	.29	1.836	2.447
58	M73	X	.29	.122	2.447	3.059
59	M74	X	.208	.177		
60	M74	X	.177	.207	.683	.683
61	M74	X	.207	.207		1.367
62	M74	x	.207	.168	1.367 2.05	2.05
63	M74	X	.168	.211	2.733	2.733
64	M75	X	.235	.189		3.417
65	M75	X	.189		0	.683
66	M75	X		.209	.683	1.367
67	M75	X	.209	.207	1.367	2.05
68	M75	X		.18	2.05	2.733
69	M77	X	.18	.215	2.733	3.417
70	M78	X	.186	.186	0	.345
101	IVI / O	Λ	.326	.326	.169	.375



Designer Job Number Model Name : Colliers Engineering & Design

: AE

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Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N76	N77	N80	N79	Y	Two Way	005
2	N86A	N87A	N90	N89	Y	Two Way	005
3	N119	N120	N123	N122	Y	Two Way	005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N76	N77	N80	N79	Y	Two Way	01
2	N86A	N87A	N90	N89	Y	Two Way	01
3	N119	N120	N123	N122	Y	Two Way	01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N76	N77	N80	N79	Υ	Two Way	000225
2	N86A	N87A	N90	N89	Υ	Two Way	000225
3	N119	N120	N123	N122	Y	Two Way	000225

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N76	N77	N80	N79	Z	Two Way	000563
2	N86A	N87A	N90	N89	Z	Two Way	000563
2	NIALO	N120	N123	N122	7	Two Way	000563

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
[1]	N76	N77	N80	N79	X	Two Way	.000563
2	N86A	N87A	N90	N89	X	Two Way	.000563
3	N119	N120	N123	N122	X	Two Way	.000563

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

	Member	Shape	Code Check	L	LC	Shear C.			phi*P.	phi*P	phi*M.	phi*M	Eqn
1	MP1B	PIPE 2.0	.165	4	8	.064	4.3			. 32130			
2	MP1A	PIPE_2.0	.163	4	4	.064	4.3						H1-1b
3	MP1C	PIPE_2.0	.163	4	12	.063	4.3	8	14916	. 32130	1.8/2	1.872	H1-1b
4	M77	L5X2.5X4	.106	0	11	.062							H2-1
5	MP2B	PIPE_2.5	.176	4	8	.061	4.4	_ 1	30038	50/15	3.596	3.596	H1-1b
6	MP2A	PIPE_2.5	.169	4	3	.059	4.4						H1-1b
7	MP2C	PIPE_2.5	.167	4	6	.059	4.4						H1-1b
8	MP4C	PIPE_2.0	.132	4	6	.053	4.3						H1-1b
9	MP4B	PIPE_2.0	.129	4	2	.053	4.3						H1-1b
10	MP4A	PIPE_2.0	.129	4	10	.052	.898	6	14916	. 32130	11.872	1.872	H1-1b
11	M97	PIPE_2.5	.106	7	7	.051	10	6	14558	50/15	3.596	3.596	H1-1b
12	M60A	HSS5X3	.132	0	8	.049							H1-1b
13	M91	PIPE_3.0	.092	7	4	.049	8.7	5	27936	65205	5.749	5.749	H1-1b
14	M82	PIPE_3.0	.086	7	8	.049	8.7						H1-1b
15	MP3A	PIPE_2.0	.197	4	11	.049	2.6						H1-1b
16	M200	PIPE_3.0	.099	7	40	.049	3.8						H1-1b
17	M107	PIPE_2.5	.102	2	8	.048	10	10	114558	50715	3.596	3.596	H1-1b
18	MP3B	PIPE_2.0	.198	4	3	.047	2.5						H1-1b
19	MP3C	PIPE_2.0	.197	4	7	.047	2.5						H1-1b
20	M36A	HSS5X3	.140	0	12	.046	-						H1-1b
21	M102	PIPE_2.5	.110	2	6	.046	10	2	14558	50/15	3.596	3.596	H1-1b
22	M78	L5X2.5X4	.268	.3	36	.040	[.3/5]	Z 12	148491	58725	1.162	15.154	H2-1



Colliers Engineering & Design

AE

Project No. 10207129 5000382428-VZW_MT_LO_H July 20, 2023 10:29 AM Checked By: DX

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

	Member	Shape	Code Check	L	LC	Shear CLoc phi*P phi*P phi*M phi*M Eqn
23	M54A	L5X2.5X4	.153	.3	16	.040 .21 z 50 48491 58725 1.162 5.154 H2-
24	M37	L5X2.5X4	.110	0	7	.039 0 z 194849158725 1.432 6.347 H2-
25	M53A	L5X2.5X4	.144	0	50	.039 0 z 154849158725 1.162 5.154 H2-
26	M38	L5X2.5X4	.154	.3	20	.038 .375 z 8 48491. 58725 1.162 5.154 H2-
27	M48	HSS5X3	.131	0	4	.035 0 z 1013302 169740 15.456 22.149 H1-1
28	M64	L5X4.75	.040	2	17	.033 2.0 y 3973926745200 51.498 58.353 H2-
29	M63A	L5X4.75	.045	0	12	.032 0 y 2673926745200 51.498 58.353 H2-
30	M40A	L5X4.75	.041	2	21	.025 2.0 y 4373926745200 51.498 58.353 H2-
31	M54	L5X4.75	.041	2	13	.025 2.0 v 2373926745200 51.498 58.353 H2-
32	M120	L3X3X4	.178	0	9	.018 0 z 9 42240 46656 1.688 3.756 H2-1
33	M119	L3X3X4	.192	0	7	.017 0 z 7 4224046656 1.688 3.756 H2-1
34	M118	L3X3X4	.177	0	11	.017 0 z 5 4224046656 1.688 3.756 H2-1
35	M39A	L5X4.75	.047	0	4	.013 0 y 4873926745200 51.498 58.353 H2-
36	M72	PL1/4x2	.102	1	24	.013 1.0 y 36928.9 16200 .084 .675 H1-1
37	M74	L2.5x1.5	.066	3	35	.012 0 z 1512998. 30682461 1.597 H2-1
38	M50	L2.5x1.5	.063	0	21	.012 0 z 1912998 30682461 1.597 H2-1
39	M53	L5X4.75	.046	0	8	.012 0 y 1073926745200 51.498 58.353 H2-1
40	M66	L2.5x1.5	.062	0	13	.012 0 z 2312998 30682461 1.597 H2-1
41	M75	L2.5x1.5	.090	0	36	.011 1.3 y 3612998 30682461 1.597 H2-1
42	M67	L2.5x1.5	.061	0	8	.011 3.4z 161299830682461 1.597 H2-1
43	M62	PL1/4x2	.097	1	20	.011 1.0 y 20 928.97 16200 .084 .675 H1-11
44	OVP1	PIPE_2.0	.155	4	7	.011 4 7 2652132130 1.872 1.872 1 H1-1
45		L2.5x1.5	.061	0	4	.011 3.4 z 2312998 30682461 1.597 H2-1
46	OVP2	PIPE_2.0	.100	2	7	.010 2.9 7 2380832130 1.872 1.872 H1-11
47	M48A	PL1/4x2	.095	1	16	.010 1.0 y 15 928.99 16200 .084 .675 H1-11
48		PL1/4x2	.136	1	1	.005 1.53 y 8 436.5 16200 .084 .675 H1-1.
49	M49A	PL1/4x2	.137	3	9	.005 1.4 y 3 436.5 16200 .084 .675 H1-1.
50	M73	PL1/4x2	.135	3	- 5	.005 1.4 v 11436.4 16200 .084 .675 H1-1.
51	M125	LL3x3x3	.081	4	29	.003 4.7 y 424644470632 6.362 3.751 1 H1-1.
52	M123A	LL3x3x3	.078	4	21	.003 4.7 y 224644470632 6.362 3.751 1 H1-1.
53	M121	LL3x3x3	.076	4	13	.003 4.7. y 2246444. 70632 6.362 3.751 1 H1-1.

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N67	max	914.965	10	933.235	19	3776.303	1	1.171	7	1.432	4	.278	10
2		min	-924.572	4	350.454	37	-1591.947	7	119	1	-1.404	10	185	4
3	N77A	max	3476.606	9	1049.636	15	736.413	3	.078	9	1.543	12	.032	9
4		min	-1514.176	3	393.286	9	-1877.078	9	528	39	-1.539	6	-1.092	3
5	N110	max	1432.827	11	1008.172	23	1073.345	12	.012	5	1.442	8	.911	11
6		min	-3330.884	5	336.032	5	-2147.435	6	923	47	-1.451	2	08	5
7	N228A	max	32.242	10	1744.707	13	-572.222	7	0	75	0	4	0	10
8		min	-32.227	4	328.101	7	-3085.569	13	0	1	0	10	0	4
9	N229A	max	-488.734	3	1772.579	21	1568.138	21	0	6	0	48	0	48
10		min	-2716.123	21	323.751	3	282.108	3	0	48	0	6	0	6
11	N230	max	2840.366	29	1824.447	29	1639.744	29	0	8	0	8	0	8
12		min	442.366	11	294.341	11	255.452	11	0	38	0	38	0	38
13	Totals:	max	3822.726	10	7712.614	18	3867.361	1						
14		min	-3822.726	4	3158.422	75	-3867.361	7						

VzW SMART Tool[©] Vendor

Client:	Verizon Wireless	Date: 7/20/2023
Site Name:	MERIDEN SE CT	
MDG #:	5000382428	
Fuze ID #:	17123794	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_x (in) (Delta X of typ. bolt config. sketch): d_y (in) (Delta Y of typ. bolt config. sketch):

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength / bolt (kips):

Required Shear Strength / bolt (kips):

Tensile Capacity / bolt (kips):

Shear Capacity / bolt (kips):

Bolt Overall Utilization:

Tower Connection Baseplate Checks

Connecting Standoff Member Shape:

Weld Stiffener Configuration:

Plate Width, D_x (in):

Plate Height, D_y (in):

W1(in):

W2 (in):

Member Thickness (in):

Stiffener location a_1 (in):

Stiffener location b₁ (in):

Stiffener location a_2 (in):

Stiffener location b₂ (in):

F_v (ksi, plate):

Plate Thickness (in):

Length of Yield Line, L, (in):

Bolt Eccentricity, e (in):

M_u (kip-in):

Phi*M_n (kip-in):

Plate Bending Utilization:

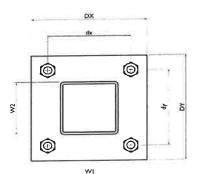
	No		H	

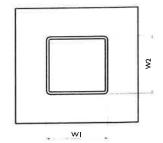
Yes

Parallel	
4	
7	
7	
A325N	
0.75	
2.1	
0.4	
29.8	
17.9	
7.1%	

Voc	
163	

Rect Tube
No Stiffeners
10
10
8.5
1.5
0.3125
36
0.75
7.21
1.71
3.60
32.86
10.9%





VzW SMART Tool[©] Vendor

Client:	Verizon Wireless	Date: 7/20/2023
Site Name:	MERIDEN SE CT	
PSLC #:	5000382428	
Fuze ID #:	17123794	Page: 2

Version 1.01

Tower Connection Weld Checks

Weld Shape:

Weld Stiffener Configuration: Stiffener Notch Length, n (in):

Weld Size (1/16 in):

W1 (in):

W2 (in):

Weld Total Length (in):

Z_x (in³/in):

 Z_y (in³/in):

J_p (in⁴/in):

c_x (in)

c_y (in)

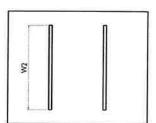
Required combined strength (kip/in):

Weld Capacity (kip/in):

Weld Utilization:

Tw	o Vertical Fillet We	lds
	None	
		I
	3	
T	0.75	
	10	
	20.00	
	33.33	
	7.50	
	169.48	
	0.375	
	5	
	1.82	
	4.18	
	43.6%	

Yes

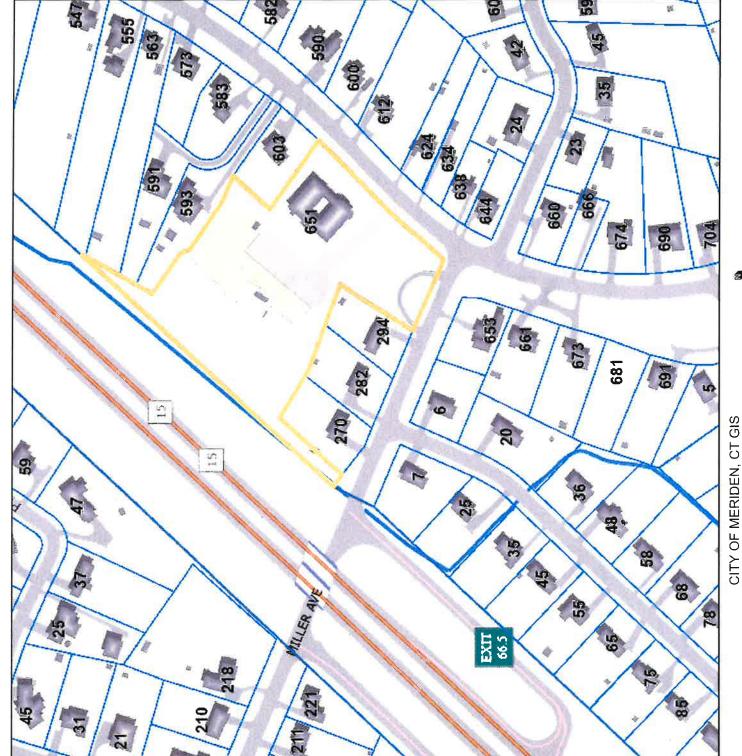


ATTACHMENT 4

29







PICE RO





CITY OF MERIDEN

GIS Services

<u>DISCLAIMER:</u> The City of Meriden maintains this website to enhance public access to the City's tax assessment information. However, this information is continually being developed and is subject to change. The data presented here is not legally binding on the City of Meriden or any of its departments. This website reflects the best information available to the City Assessor and it should not be construed as confirming or denying existence of any permits, licenses, or other such rights. The City of Meriden shall not be liable for any loss, damages, or claims that arise out of the user's access to, and use of, this information.

THE USER IS RESPONSIBLE FOR CHECKING THE ACCURACY OF ALL INFORMATION OBTAINED WITH THE APPROPRIATE CITY DEPARTMENT AND TO COMPLY WITH ALL CURRENT LAWS, RULES, REGULATIONS, ORDINANCES, PROCEDURES, AND GUIDELINES.

PROPERTY INFORMATION

Location: 651 PADDOCK AVE

Map/Lot: 0906-098D-0020-0005

OWNER INFORMATION

Owner(s):

FIRST ASSEMBLY OF GOD CHURCH

OF MERIDEN INC

Owner Address:

PO BOX 2777

MERIDEN, CT 06450

BUILDING INFORMATION

Card Number: 1

OVERVIEW					
Building ID	14581				
Finished Area	14,480				
Comm/Rental Units	1				
Living Units	0				
Building Type	Church				
Year Built	1968				
Effective Yr Built					
Building Number	1				

INTERIOR DETAILS				
Rooms				
BedRooms				
Full Bath	0			
Full Bath Rating				
Half Bath	0			
Half Bath Rating				
Kitchens	0			
Kitchen Rating				
Fireplaces	0			

CONSTRUCTION DETAILS Brick Exterior **Roof Structure** Gable Asphalt **Roof Cover** С Quality Heat Fuel Oil Forced Air **Heat Type** Prcnt. Heated 100.00 0.00 Pront. AC Stories 1 story Concrete Foundation

ATTACHMENT 5



Certificate of Mailing — Firm

Name and Address of Sender Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	TOTAL NO. of Pieces Listed by Sender TOTAL NO. of Pieces Received at Post Office™ Postmaster, per (name of receiving employee) Address	Affix Stamp Here Postmark with Date of Receipt. Neopost 08/17/21/23 US POSTAGE \$003.19 ZIP 06103 041L12203937				
Firm-specific Identifier	(Name, Street, City, State, and ZIP Code™) Kevin Scarpati, Mayor	Postage	Fee	Special Handling	Parcel Airlift	
1. 2. 3. 4.	City of Meriden 142 East Main Street Meriden, CT 06450 Monica Sims, Director of Planning and Enforce City of Meriden 142 East Main Street Meriden, CT 06450 First Assembly Church of Meriden, Inc. PO Box 2777 Meriden, CT 06450	ement				
5.					i i	
6.						