Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street Hartford, CT 06103-3597 Main (860) 275-8200 Fax (860) 275-8299 kbaldwin@rc.com Direct (860) 275-8345

Also admitted in Massachusetts and New York

August 11, 2023

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

Re:

Notice of Exempt Modification – Facility Modification 310 Watertown Road (a/k/a 2579 Litchfield Road, Watertown), Bethlehem, 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. Cellco's facility was approved by the Siting Council ("Council") in March of 2006 (EM-VER-123-007-010-009-060308). A copy of the Council's approval is included in Attachment 1.

Cellco's proposed modification involves the installation of two (2) interference mitigation filters ("Filters") on Cellco's existing antenna platform and mounting assembly. The Filter specification sheet is included in <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 Bethlehem's Chief Elected Official and Land Use Officer.

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

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

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Melanie A. Bachman, Esq. August 11, 2023 Page 2

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

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures Copy to:

Stephen F. Sordi, First Selectman Jared McCool, Land Use Coordinator Gary and Amy Swingle, Property Owners Kamoya Bautista De Leon, Verizon Wireless

ATTACHMENT 1

The state of the s

March 24, 2006

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@po.state.ct.us www.ct.gov/csc

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

RE: EM-VER-123-007-010-099-060308 - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify existing telecommunications facilities located at 165 Huntington Road, Scotland; 1657 Wilbur Cross Parkway, Berlin; 310 Watertown Road, Bethlehem; and 88 Parsonage Hill Road, Northford (North Branford), Connecticut.

Dear Attorney Baldwin:

At a public meeting held on March 22, 2006, the Connecticut Siting Council (Council) acknowledged your notice to modify these existing telecommunications facilities, 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 8, 2006, including the placement of all necessary equipment and shelters within the tower compounds. 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 existing facility sites that would not increase tower heights, extend the boundaries of the tower sites, increase noise levels at the tower site boundaries by six decibels, and increase the total radio frequencies electromagnetic radiation power densities measured at the tower site boundaries to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. These facilities have also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on these towers.

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

Thank you for your attention and cooperation.

Pamela B. Katz, P.E.

Chairman

PBK/laf

See Attached List.



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



BAND-WAME	700 PATH / 850 OPLINK PATH	BED DOWNSHIK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1,45dB maximum
Return loss		I. 18dB minimum
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection		894.1 - 896.5MHz
ELECTRICAL		
Impedance	50C	Dhms
Intermodulation products	-160dBc maximum in UL Band (assuming -153dBc maximum	$_3$ 20MHz Signal), with 2 \times 43dBm carriers m with 2 \times 43dBm
DC / AISG		
Passband	0 - 13	3MHz
Insertion loss	0.3dB m	numixac
Return loss	15dB n	raumiaia
Input voltage range	± 3	3V
DC current rating	2A continue	us, 4A peak
Compliance	3GPP TS	S 25,461
ENVIRONMENTAL		
For further details of environmental co	ompliance, please contact Kaelus.	
Temperature range	-20°C to +60°C	; -4°F to +140°F
ingress protection	IP.	67
Altitude		8530ft
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 - Unit r	nust be terminated with some lightning protection circuits
MTBF	>1,000,0	00 hours
Compliance	ETSI EN 300 019 class 4.1H,	RoHS, NEBS GR-487-CORE
MECHANICAL		
Dimensions H x D x W	269 x 277 x 80mm 10.60 x 10.90 x 3.1	5in (Excluding brackets and connectors)
Weight	8.0 kg 17.6 lb	os (no bracket)
Finish	Powder coated, lig	ht grey (RAL7035)
Connectors	RF: 4.3-1	
Mounting	Optional pole/wall bracket supplied with two metal clamps of inform	45-178mm diameter poles or custom bracket. See order action.

Information.

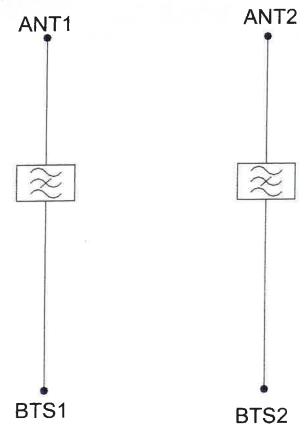


ORDERING INFORMATION

ORDERING INFORMAT	CONFIGURATION	OPTIONAL FEATURES	SCHMECTORS
PART NUMBER BSF0020F3V1	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)
BSF0020F3V1-1 BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

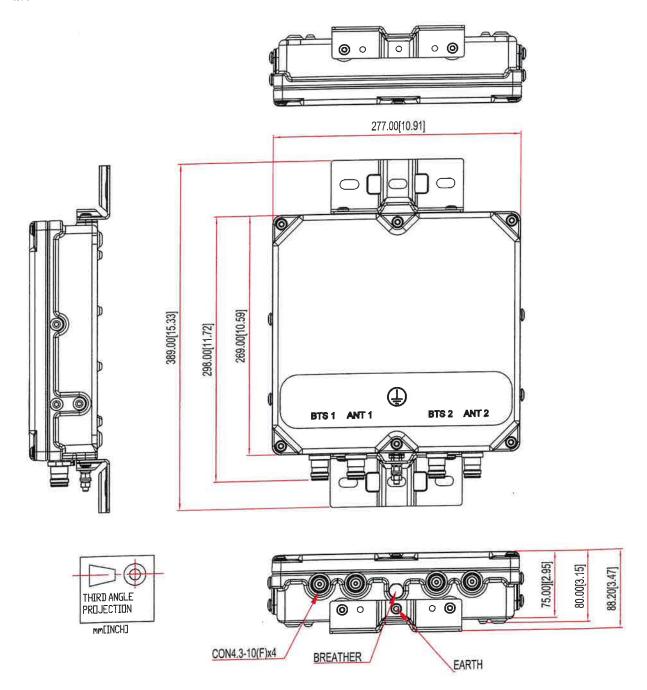


ELECTRICAL BLOCK DIAGRAM





MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3



Tower Engineering Solutions

Phone (972) 483-0607, Fax (972) 975-9615 1320 Greenway Drive, Suite 600, Irving, Texas 75038

Structural Analysis Report

Existing 195 ft Nudd Corporation Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT01501-S

Customer Site Name: Morris

Carrier Name: Verizon (App#: 232197, v2)

Carrier Site ID / Name: 5000247368 / BETHLEHEM NE CT

Site Location: 310 Watertown Road

Bethlehem, Connecticut

Litchfield County

Latitude: 41.667219

Longitude: -73.170516



7/14/2023

Analysis Result:

Max Structural Usage: 75.0% [Pass]

Max Foundation Usage: 74.6% [Pass]

Additional Usage Caused by New Mount/Mount Modification: N/A

Report Prepared By: Cesar Rojas

Introduction

The purpose of this report is to summarize the analysis results on the 195 ft Nudd Corporation Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Fred A. Nudd Corporation (Drawing No. 00-7627-1) original design drawings dated May 8, 2000 o2wireless Solutions (Job No. 2230-043) Monopole Tower Structural Analysis
	Report dated September 4, 2002
Foundation Drawing	Fred A. Nudd Corporation (Drawing No. 00-7627-1) original design drawings dated May 8, 2000
Geotechnical Report	Jaworski Geotech, Inc., Project # 99290G, Dated 11/17/1999
Modification Drawings	TES Job No. 128101, dated 11/09/2022

Analysis Criteria

The comprehensive analysis was performed in accordance with the requirements and stipulations of the TIA-222-H. In accordance with this standard, the structure was analyzed using **TESPoles**, a proprietary analysis software. The program considers the structure as an elastic 3-D model with second-order effects and temperature effects incorporated in the analysis. The analysis was performed using multiple wind directions.

Wind Speed Used in the Analysis: 115.0 mph (3-Sec. Gust) (Ultimate wind speed)

Wind Speed with Ice: 50 mph (3-Sec. Gust) with 1" radial ice concurrent

Service Load Wind Speed: 60 mph + 0" Radial ice

Standard/Codes: TIA-222-H / 2021 IBC / 2022 Connecticut State Building Code

Exposure Category: C
Risk Category: II
Topographic Category: 1
Crest Height: 0 ft

Seismic Parameters: $S_S = 0.184, S_1 = 0.054$

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

Existing Antennas, Mounts and Transmission Lines

The table below summarizes the antennas, mounts and transmission lines that were considered in the analysis as existing on the tower.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
		3	RFS APXVSPP18 C-A20 — Panel	(1) RRH Collar Mount and Low Profile Platform with:		
Ţ.		6	ALU 800 Mhz - RRUs	(1) Platform Reinforcement Kit (SitePro1 Part PRK-1245L);		
e.		4	RFS ACU A20 N RET - RETS	(1) Handrail Components V		
ē	**195.0	3	ALU 1900 Mhz – RRUs	(SitePro1 Part PRK SFS L); (1) Handrail Components	(4) 1-1/4" Hybrid	Sprint Nextel
-		3	ALU 800 Mhz Filter — Filters	(3) Pipe 2.0 STD x12.5' Horiz. Rail; Pipe 2.0 STD x (3) 4' long		
=		3	Commscope DT465B 2XR – Panel	corner braces; (6) Sitepro1 Part # Puck brackets; (9) Pipe2.5 STD mount pipes; (18) Sitepro1 SCX ×		
1905		3	ALU TD-RRH8x20-25 RRUs	-K cross-over plates]		
:00		6	Commscope NHH-85B-R2B — Panel	Low Profile Platform with: (3) Commscope BSAMNT-SBS-1-2		
(=);		3	Samsung MT6407-77A – Panel	[Side-By-Side Mounting Kit] (1) VZWSMART-PLK1		
	475.0	3	Samsung B5/B13 RRH-BR04C – RRH	[support rail kit] (3) VZWSMART-MSK2	(11) 1 5/8" (1) 1 5/8"	Verizon
•	175.0	3	Samsung B2/B66A RRH-BR049 - RRH	[Crossover Plate] (1) Site Pro 1 SQCX4-K	Hybrid	
1.5		1	RFS DB-C1-12C-24AB-0Z COVP	[Crossover Plate w/square U- bolts] (3)72"x P2.5 STD Mount Pipe		
-		3	Commscope TD-850B-LTE78-43 - Diplexer	(1) 36"x P2.0 STD OVP Pipe		
8		6	Powerwave 7770.00 - Panel			
9		12	Powerwave LGP2140X TMA		(12) 1 5/8"	
10	1	6	Ericsson RRUS-11		*(1) 3" Conduit	
11	165.0	1	KMW AM-X-CD-16-65-00T-RET - Panel	Low Profile Platform	*(2) 3/4" DC *(1) 7/16"	AT&T
12	1	1	Andrew ABT-DF-DMADBH		Fiber	
13	1	1	Raycap DC6-48-60-18-8F			
14		2	Kathrein 800 10764 - Panel			

^{* (2) 3/4&}quot; DC and (1) 7/16" Fiber are inside (1) 3" Conduit.

^{**} Sprint equipment at 195 ft was removed and not considered in the current SA

Existing Antennas, Mounts and Transmission Lines

items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
15		3	Ericsson AIR6449 B41 - Panel			
16		3	RFS APXVAALL24-43-U-NA20 - Panel	1		
17		3	Commscope VV-65A-R1 - Panel	Low Profile Platform		
18	155.0	3	REMEC S20057A1	Modified w/	(8) 15/8"	
19	133.0	3	Ericsson KRY 112 144/1 TMA	(1) SitePro1 HRK12	(3) 1.9" Fiber	T-Mobile
20		3	Kathrein 782 11056 Bias T	+(1) kicker Support kit	, ,	
21		3	Ericsson 4460 B25 + B66 - RRU			
22		3	Ericsson 4480 B71 + B85 - RRU			
23		3	JMA Wireless MX08FR0665-21 - Panel	Platform w/HRK		
24	145.0	3	Fujitsu TA08025-B605 - RRU	[(1) Commscope MC-	(1) 1.75"	Dish
25		3	Fujitsu TA08025-B604 - RRU	PK8-DSH]	Hybrid	Wireless
26		1	Raycap RDIDC-9181-PF-48 - OVP			

Proposed Carrier's Final Configuration of Antennas, Mounts and Transmission Lines

Information pertaining to the proposed carrier's final configuration of antennas and transmission lines was provided by SBA Communications Corp. The proposed antennas and lines are listed below.

Items	Elev. (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1		6	Commscope NHH-85B-R2B — Panel			
2		3	Samsung MT6407-77A- Pane!	Low Profile Platform with: (3) Commscope BSAMNT-SBS-1-2 [Side-By-Side Mounting Kit]		
3	175.0	3	Commscope TD-850B-LTE78-43- Diplexer	(1) VZWSMART-PLK1 [support rail kit] (3) VZWSMART-MSK2	(11) 1 5/8" (1) 1 5/8"	
4	1/3.0	3	Samsung B5/B13 RRH-BR04C-RRU	[Crossover Plate] (1) Site Pro 1 SQCX4-K	Hybrid	Verizon
5		3	Samsung B2/B66A RRH-BR049-RRU	[Crossover Plate w/square U- bolts] (3)72"x P2.5 STD Mount Pipe		
6		1	RFS DB-C1-12C-24AB-0Z-OVP	(1) 36"x P2.0 STD OVP Pipe		
7		2	Kaelus BSF0020F3V1-1-Filter			

See the attached coax layout for the line placement considered in the analysis.

Analysis Results

The results of the structural analysis, performed for the wind and ice loading and antenna equipment as defined above, are summarized as the following:

	Pole shafts
Max. Usage:	75.0%
Pass/Fail	Pass

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions	4503.7	35.6	63.1

The foundation has been investigated using the supplied documents and soils report and was found adequate. Therefore, no modification to the foundation will be required.

Service Load Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 1.4224 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

Based on the analysis results, the existing structure and its foundation were found to be adequate to safely support the existing and proposed equipment and meet the minimum requirements per the TIA-222 Standard under the design basic wind speed as specified in the Analysis Criteria.

Standard Conditions

- This analysis was performed based on the information supplied to (TES) Tower Engineering Solutions, LLC. Verification of the information provided was not included in the Scope of Work for TES. The accuracy of the analysis is dependent on the accuracy of the information provided.
- 2. The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.
- 3. The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of TES. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, TES should be notified in writing and the applicable minimum values provided by the client.
- 4. The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. TES has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, TES should be notified immediately to evaluate the effect of the discrepancy on the analysis results.
- 5. The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.
- 6. If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

Usage Diagram - Max Ratio 75.03% at 0.0ft

CT01501-S-SBA Structure:

Site Name: Morris Height: 195.00 (ft) 0.000 (ft)

Code:

EIA/TIA-222-H

Exposure: С 1.1 Gh:

Page: 1



Dead Load Factor:

Base Elev:

1.20

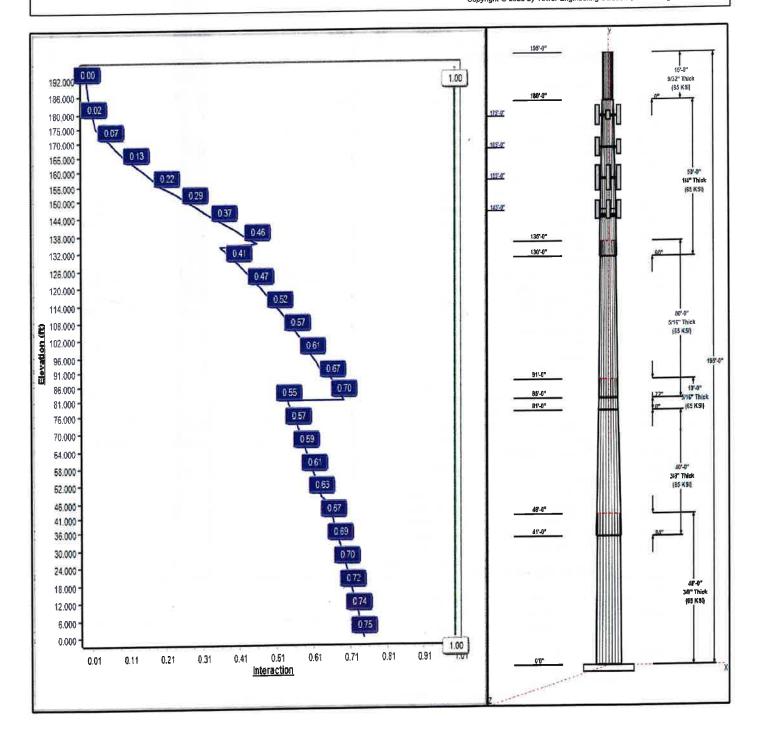
Wind Load Factor:

1.00

Load Case: 1.2D + 1.0W 115 mph Wind

32 Iterations:

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Structure: CT01501-S-SBA

Type: Custom Site Name: Morris

Base Shape: 18 Sided

Taper: 0.23542

7/13/2023

Page: 2

(((H)))

Height: 195.00 (ft) Base Elev: 0.00 (ft)

0.00

0.00

165.00

165,00

Inside

Inside

3" Conduit

3/4" DC

Shaft Properties Length Top **Bottom** Thick Joint 195'-0" Grade Seq (ft) (in) (in) (in) Type Taper (ksi) 1 48.00 15'-0" 53.20 64.50 0.375 0.23542 65 9/32" Thick 2 40.00 46.18 55.60 0.375 Slip 0.23542 (65 KSI) 65 3 10.00 43.83 46.18 0.313 Butt 0.23542 65 4 50.00 34.09 45.86 0.313 Slip 0.23542 65 5 50.00 24.00 35.77 0.250 Slip 0.23542 65 6 15.00 24.00 0.281 Butt 0.00000 65 165'-0" Discrete Appurtenances 155'-0" Attach Force 1/4" Thick Elev (ft) Elev (ft) Qty Description (65 KSI) Carrier 175.00 175.00 Low Profile Platform Verizon 175.00 175.00 3 Commscope Verizon 175.00 175.00 1 HRK14 Verizon 135'-0" NHH-85B-R2B 175.00 175.00 6 Verizon 130'-0" 175.00 175.00 3 MT6407-77A Verizon 175.00 175.00 3 TD-850B-LTE78-43 Verizon 175.00 175.00 3 B5/B13 RRH-BR04C Verizon 175.00 175.00 3 B2/B66A RRH-BR049 Verizon 175,00 175.00 1 DB-C1-12C-24AB-0Z Verizon 175.00 BSF0020F3V1-1 175.00 2 Verizon 5/16" Thick (65 KSI) 165.00 165.00 6 7770.00 AT&T 165.00 165.00 12 LGP2140X TMA AT&T 165.00 165.00 RRUS-11 AT&T 195'-0' 165.00 165.00 AM-X-CD-16-65-00T-RET 91'-0" AT&T 10'-0" 165.00 165.00 ABT-DF-DMADBH 1 AT&T 85'-0" 165.00 165.00 DC6-48-60-18-8F AT&T M6" Thick 81'-0" (65 KSI) 165.00 165.00 2 800 10764 AT&T 165.00 165.00 Low Profile Platform 1 AT&T 155.00 155.00 782 11056 T-Mobile 155.00 155.00 3 S20057A1 T-Mobile 155.00 155.00 3 KRY 112 144/1 T-Mobile 40'-0" 3/8" Thick 155.00 155.00 Low Profile Platform T-Mobile (65 KSI) 155.00 155.00 3 Commscope VV-65A-R1 T-Mobile Ericsson 4460 B25 + B66 155.00 155.00 T-Mobile 49'-0" 155.00 155.00 Ericsson 4480 B71 + B85 T-Mobile 155.00 155.00 PRK-1245 (kicker kit) T-Mobile 155.00 155.00 3 Ericsson AIR6449 B41 T-Mobile 155.00 155.00 3 RFS T-Mobile 155.00 155.00 1 HRK12 (Handrail Kit) T-Mobile 145.00 145.00 3 MX08FRO665-21 Dish Wireless WAT THICK 145,00 145.00 3 TA08025-B605 Dish Wireless 185 KSB 145.00 145.00 3 TA08025-B604 Dish Wireless 145.00 145.00 1 RDIDC-9181-OF-48 Dish Wireless 145.00 145.00 MC-PK8-DSH Dish Wireless Linear Appurtenances Elev Elev Placement Description To (ft) From (ft) Carrier 0.00 195.00 inside 1-1/4" Hybrid Sprint Nextel 0.00 175.00 Inside 1 5/8" Coax Verizon 0.00 175.00 Inside 1 5/8" Hybrid Verizon 0.00 165.00 Inside 1 5/8" Coax AT&T

AT&T

AT&T

Structure: CT01501-S-SBA

Type:

Custom

Base Shape: 18 Sided

65.3

49.4

52.6

0.7

0.7

8.7

113.2

111.9

1087.8

7/13/2023

Site Name: Morris

1.2D + 1.0Ev + 1.0Eh

0.9D + 1.0Ev + 1.0Eh

1.0D + 1.0W 60 mph Wind

195.00 (ft)

Taper: 0.00000

Height: Base Elev: 0.00 (ft)

0.00	165.00	Inside	7/16" Fiber	AT&T
0.00	155.00	Inside	1 5/8" Coax	T-Mobile
0.00	155.00	Inside	1.9" Fiber	T-Mobile
0.00	145.00	Outside	1.75" Hybrid	Dish Wireless

0,00	100.00					
0.00	145.00	Outside	1.75" Hybrid	i	Dish V	Vireless
		A	nchor B	olts		
		Grad	е			
Qty	Specifications	(ksi)	Arran	gement		
24	2.00" A687	105.0) Ra	adial		
			Base Pla	te		
Thick	ness Specifi	ications	Grade			
(in		n)	(ksi)	Geo	metry	
1.50	00 5	1.5	45.0	Ro	und	
			Reaction	าร		
			Mo	ment	Shear	Axial
Load (Case		(FT	-Kips)	(Kips)	(Kips)
	1.0W 115 mph V	Vind	45	03.7	35.6	63.1
	1.0W 115 mph V		44	39.7	35.5	47.3
	1.0Di + 1.0Wi 50		13	33.6	10.6	82.7
		•	4.		0.7	65.3

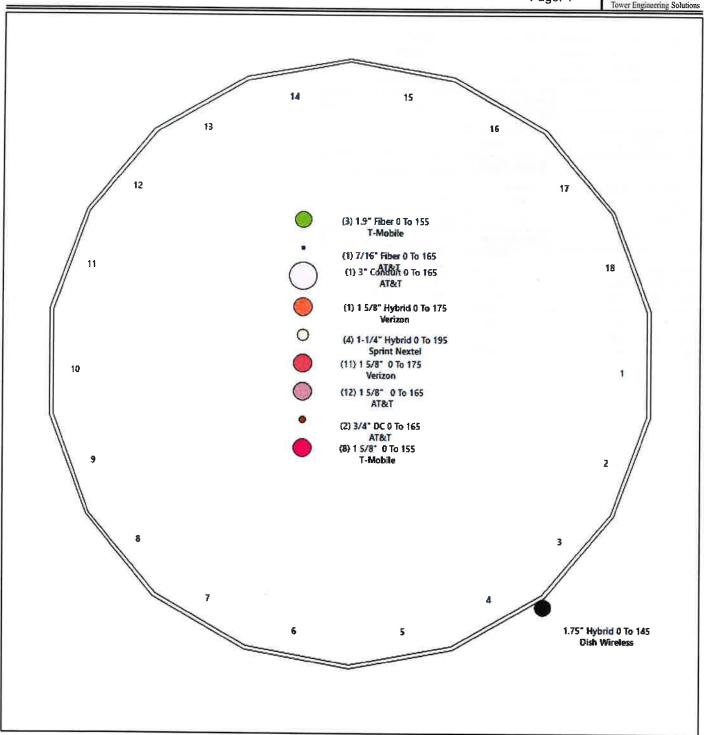
Structure: CT01501-S-SBA - Coax Line Placement

Type: Monopole Site Name: Morris

Height: 195.00 (ft)

7/13/2023

((III))
LES
Tower Engineering Solutions



Shaft Properties

CT01501-S-SBA Structure:

Site Name: Morris 195.00 (ft) Height:

Base Elev: 0.000 (ft)

Gh: 1.1 Code:

TIA-222-H

Exposure: С

Crest Height: 0.00 D - Stiff Soil

Site Class:

Topography: 1

Struct Class: ||

7/13/2023

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	48.000	0.3750	65		0.00	11,368
2	18	40.000	0.3750	65	Slip	84.00	8,183
3	18	10.000	0.3125	65	Flange	0.00	1,508
4	18	50.000	0.3125	65	Slip	72.00	6,694
5	18	50.000	0.2500	65	Slip	60.00	4,001
6	18	15.000	0.2810	65	Flange	0.00	1,080
					Total Sha	ıft Weight:	32,834

			Вс	ottom				141	T				
Sec. No.	Dia (in)	Elev (ft)	Area (sqin)	lx (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	lx (in^4)	W/t Ratio	D/t Ratio	Taper
_	64.50	0.00	76.32	39651.33	28.92	172.00	53.20	48.00	62.87	22166.3	23.60	141.8	0.235417
1		41.00	65.73	25324.08	24.73	148.26	46.18	81.00	54.52	14452.7	20.30	123.1	0.235417
2	55.60			12093.31	24.65		43.83	91.00	43.16	10325.2	23.32	140.2	0.235417
3	46.18	81.00	45.49			146.77	34.09	135.00	33.51	4830.83	17.83	109.1	0.235417
4	45.86	85.00	45.18	11844.57	24.47						15.52	96.00	0.235417
5	35.77	130.0	28.18	4492.97	23.82	143.08	24.00	180.00	18.84	1343.00			
6	24.00	180.0	21.15	1503.63	13.65	85.41	24.00	195.00	21.15	1503.63	13.65	85.41	0.000000

Load Summary

TIA-222-H

Code:

Structure: CT01501-S-SBA

 Site Name:
 Morris

 Height:
 195.00 (ft)

 Base Elev:
 0.000 (ft)

 prris
 Exposure:
 C

 5.00 (ft)
 Crest Height:
 0.00

 000 (ft)
 Site Class:
 D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: ||

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7/13/2023

ES
Tower Engineering Solutions

Discrete Appurtenances

					No Ice		eV/======	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		Low Profile Platform	1	1500.00	22.00	1.00	2386.16	33.957	1.00	0.00	0.00
2	175.00	Commscope BSAMNT-SDS-2-2	3	25.35	0.00	1.00	37.33	0.000	1.00	0.00	0.00
3	175.00	HRK14	1	504.00	8.13	1.00	908.94	13.509	1.00	0.00	0.00
4	175.00	NHH-85B-R2B	6	43.70	8.17	0.85	173.30	9.062	0.85	0.00	0.00
5	175.00	MT6407-77A	3	79.40	4.69	0.70	154.93	5.324	0.75	0.00	0.00
6	175.00	TD-850B-LTE78-43	3	33.00	2.15	0.67	78.34	2.859	0.67	0.00	0.00
7		B5/B13 RRH-BR04C	3	70.30	1.87	0.67	113.46	2.247	0.67	0.00	0.00
8	175.00	B2/B66A RRH-BR049	3	84.40	1.87	0.67	132.27	2.247	0.67	0.00	0.00
9	175.00	DB-C1-12C-24AB-0Z	1	32.00	4.06	1.00	109.13	4.617	1.00	0.00	0.00
10	175.00	BSF0020F3V1-1	2	18.00	0.76	1.00	29.94	1.119	1.00	0.00	0.00
11		7770.00	6	35.00	5.50	0.73	119.30	6.202	0.73	0.00	0.00
12	165.00	LGP2140X TMA	12	19.00	1.30	0.50	35.74	1.875	0.50	0.00	0.00
13	165.00	RRUS-11	6	51.00	2.52	0.50	99.64	2.946	0.50	0.00	0.00
14	165.00	AM-X-CD-16-65-00T-RET	1	48.50	8.02	0.90	157.72	9.900	0.90	0.00	0.00
15	165.00	ABT-DF-DMADBH	1	1.10	0.05	1.00	2.60	0.180	1.00	0.00	0.00
16	165.00	DC6-48-60-18-8F	1	31.80	0.92	1.00	73.41	1.215	1.00	0.00	0.00
17	165.00	800 10764	2	40.80	5.88	0.90	126.62	7.322	0.90	0.00	0.00
18	165.00	Low Profile Platform	1	1500.00	22.00	1.00	2380.96	33.887	1.00	0.00	0.00
19	155.00	782 11056	3	5.30	0.28	0.87	11.62	0.548	0.87	0.00	0.00
20	155.00	S20057A1	3	11.00	0.82	0.73	23.62	1.287	0.73	0.00	0.00
21	155.00	KRY 112 144/1	3	11.00	0.41	0.70	18.21	0.728	0.70	0.00	0.00
22	155.00	Low Profile Platform	1	1500.00	22.00	1.00	2375.47	33.813	1.00	0.00	0.00
23	155.00	Commscope VV-65A-R1	3	23.81	5.92	0.73	119.35	6.641	0.77	0.00	0.00
24	155.00	Ericsson 4460 B25 + B66	3	104.00	2.14	0.50	146.34	2.544	0.50	0.00	0.00
25	155.00	Ericsson 4480 B71 + B85	3	93.00	2.42	0.50	135.47	2.849	0.50	0.00	0.00
26	155.00	PRK-1245 (kicker kit)	1	464.91	9.50	1.00	681.99	16.154	1.00	0.00	0.00
27	155.00	Ericsson AIR6449 B41	3	103.00	5.65	0.71	194.71	6.286	0.71	0.00	0.00
28	155.00	RFS APXVAALL24-43-U-NA20	3	128.00	20.24	0.70	395.86	21.495	0.70	0.00	0.00
29	155.00	HRK12 (Handrail Kit)	1	261,72	7.75	1.00	469.46	12.816	1.00	0.00	0.00
30	145.00	MX08FRO665-21	3	64.50	12.49	0.74	257.76	13.463	0.74	0.00	0.00
31	145.00	TA08025-B605	3	75.00	1.96	0.50	109.75	2.333	0.50	0.00	0.00
32	145.00	TA08025-B604	3	63.90	1.96	0.50	97.54	2.333	0.50	0.00	0.00
33		RDIDC-9181-OF-48	1	21.90	2.01	1.00	57.28	2.388	1.00	0.00	0.00
34	145.00	MC-PK8-DSH	1	1727.00	37.59	1.00	2848.41	68.973	1.00	0.00	0.00

Totals: 94 11,641.61 21,626.75

Linear Appurtenances

Bottom	Top				
Elev. (ft)	Elev. (ft)	Description	Exposed Width	Exposed	
0.00	195.00	(4) 1-1/4" Hybrid	0.00	Inside	
0.00	175.00	(11) 1 5/8" Coax	0.00	Inside	
0.00	175.00	(1) 1 5/8" Hybrid	0.00	Inside	
0.00	165.00	(12) 1 5/8" Coax	0.00	Inside	
0.00	165.00	(1) 3" Conduit	0.00	Inside	
0.00	165.00	(2) 3/4" DC	0.00	Inside	
0.00	165.00	(1) 7/16" Fiber	0.00	Inside	

Discrete Appurtenances Ice No Ice Vert Hor. Ecc Ecc. CaAa CaAa Weight Weight CaAa CaAa Elev (ft) (ft) (lb) (sf) Factor Factor (sf) Description Qty (lb) No. (ft) 0.00 Inside (8) 1 5/8" Coax 155.00 0.00 0.00 Inside (3) 1.9" Fiber 0.00 155.00 1.75 Outside 145.00 (1) 1.75" Hybrid 0.00

Shaft Section Properties

CT01501-S-SBA Structure:

Site Name: Morris Height: 195.00 (ft)

Base Elev: 0.000 (ft)

Gh:

Topography: 1

Code: TIA-222-H

Exposure: С

Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: II

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Increment Length: 2 (ft)

Elev		Thick	Dia	Area	lx	W/t	D/t	Fpy	s	Weight
(ft)	Description	(in)	(in)	(in^2)	(in^4)	Ratio	Ratio		(in^3)	(lb)
0.00		0.3750	64.500	76.322	39651.3	28.92	172.00		1210.	0.0
2.00		0.3750	64.029	75.762	38784.3	28.70	170.74	67.6	1193.	517.5
4.00		0.3750	63.558	75.201	37930.0	28.47	169.49	67.9	1175.	513.7
6.00		0.3750	63.087	74.641	37088.4	28.25	168.23	68.2	1157.	509.9
8.00		0.3750	62.617	74.080	36259.3	28.03	166.98	68.4	1140.	506.1
10.00		0.3750	62.146	73.520	35442.6	27.81	165.72	68.7	1123.	502.3
12.00		0.3750	61.675	72.960	34638.3	27.59	164.47	69.0	1106.	498.4
14.00		0.3750	61.204	72.399	33846.3	27.37	163.21	69.2	1089.	494.6
16.00		0.3750	60.733	71.839	33066.4	27.15	161.96	69.5	1072.	490.8
18.00		0.3750	60.262	71.279	32298.6	26.93	160.70	69.7	1055.	487.0
20.00		0.3750	59.792	70.718	31542.8	26.70	159.44	70.0	1039.	483.2
22.00		0.3750	59.321	70.158	30798.9	26.48	158.19	70.3	1022.	479.4
24.00		0.3750	58.850	69.597	30066.7	26.26	156.93	70.5	1006.	475.6
26.00		0.3750	58.379	69.037	29346.3	26.04	155.68	70.8	990.1	471.7
28.00		0.3750	57.908	68.477	28637.4	25.82	154.42	71.0	974.0	467.9
30.00		0.3750	57.437	67.916	27940.1	25.60	153.17		958.1	464.1
32.00		0.3750	56.967	67.356	27254.2	25.38	151.91		942.3	460.3
34.00		0.3750	56.496	66.795	26579.6	25.15	150.66		926.6	456.5
36.00		0.3750	56.025	66.235	25916.2	24.93	149.40		911.1	452.7
38.00		0.3750	55.554	65.675	25263.9	24.71	148.14		895.7	448.9
40.00		0.3750	55.083	65.114	24622.7	24.49	146.89		880.4	445.0
41.00	Bot - Section 2	0.3750	54.848	64.834	24306.2	24.38	146.26		872.8	221.1
42.00		0.3750	54.612	64.554	23992.5	24.27	145.63		865.3	443.3
44.00		0.3750	54.142	63.993	23373.0	24.05	144.38	73.1		880.9
46.00		0.3750	53.671	63.433	22764.4	23.83	143.12		835.4	873.3
48.00	Top - Section 1	0.3750	53.950	63.765	23124.0	23.96	143.87	0.0	0.0	865.7
50.00		0.3750	53.479	63.205	22519.6	23.74	142.61		829.4	432.1
52.00		0.3750	53.008		21925.9	23.51	141.36		814.7	428.2
54.00		0.3750	52.537	62.084	21342.8	23.29	140.10		800.1	424.4
56.00		0.3750	52.067	61.524	20770.0	23.07	138.84		785.7	420.6
58.00		0.3750	51.596	60.963	20207.6	22.85	137.59		771.4	416.8
60.00		0.3750	51.125	60.403	19655.5	22.63	136.33		757.2	413.0
62.00		0.3750	50.654	59.843	19113.5	22.41	135.08		743.2	409.2
64.00		0.3750	50.183	59.282	18581.5	22.19	133.82		729.3	405.4
66.00		0.3750	49.712	58.722	18059.6	21.96	132.57		715.5	401.5
68.00		0.3750	49.242	58.161	17547.4	21.74	131.31		701.9	397.7
70.00		0.3750	48.771	57.601	17045.1	21.52	130.06		688.4	393.9
72.00		0.3750	48.300	57.041	16552.4	21.30	128.80		675.0	390.1
74.00		0.3750	47.829	56.480	16069.4	21.08	127.54		661.7	386.3
76.00		0.3750	47.358	55.920	15595.8	20.86	126.29		648.6	382.5
78.00		0.3750	46.887		15131.6	20.64	125.03		635.6	
80.00		0.3750	46.417	54.799	14676.7	20.41	123.78		622.8	378.7 374.8
81.00	Top - Section 2	0.3750	46.181		14452.7	20.30	123.76		616,4	
81.00	Bot - Section 3	0.3125	46.181		12093.3	24.36	147.78		515.8	186.0
82.00		0.3125	45.946	45.261	11908.1	24.51	147.78		510.5	154.4
84.00		0.3125	45.475		11543.3	24.25	147.03		500.0	154.4
85.00	Bot - Section 4	0.3125	45.240	44.560	11363.7	24.25 24.12	145.52		494.7	306.4
86.00		0.3125	45.004	44.327	11186.0	23.98	144.77			152.0
88.00		0.3125	44.533		10836.2	23.96			489.6	304,6
90.00		0.3125	44.062		10636.2	23.72 23.45	142.51		479.3	604.4
		0.0 120	77.002	TU.030	10433./	25.40	141.00	13.5	469.1	598.0

Elev	Description	Thick (in)	Dia (in)	Area (in^2)	lx (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
(ft)		0.3125	44.452	43.779	10776.5	23.67	142.25	0.0	0.0	296.6
91.00	Top - Section 3	0.3125	44.217	43.546	10605.0	23.54	141.49	73.7	472.4	148.6
92.00		0.3125	43.746	43.079	10267.5	23.27	139.99	74.0	462.3	294.8
94.00		0.3125	43.275	42.612	9937.2	23.01	138.48	74.3	452.3	291.6
96.00		0.3125	42.804	42.145	9614.0	22.74	136.97		442.4	288.4
98.00		0.3125	42.333	41.678	9298.0	22.48	135.47	75.0	432.6	285.2
100.00		0.3125	41.862	41.211	8988.9	22.21	133.96	75.3	422.9	282.1
102.00		0.3125	41.392	40.744	8686.8	21.94	132.45	75.6	413.4	278.9
104.00		0.3125	40.921	40.277	8391.5	21.68	130.95		403.9	275.7
106.00		0.3125	40.450	39.810	8103.0	21.41	129.44	76.2	394.6	272.5
108.00		0.3125	39.979	39.343	7821.2	21.15	127.93		385.3	269.3
110.00		0.3125	39.508	38.876	7546.0	20.88	126.43		376.2	266.2
112.00		0.3125	39.037	38.409	7277.3	20.62	124.92	77.2	367.2	263.0
114.00 116.00		0.3125	38.567	37.942	7015.0	20.35	123.41		358.3	259.8
		0.3125	38.096	37.475	6759.2	20.08	121.91		349.5	256.6
118.00		0.3125	37.625	37.008	6509.6	19.82	120.40		340.8	253.4
120.00 122.00		0.3125	37.154	36.541	6266.3	19.55	118.89		332.2	250.3
		0.3125	36.683	36.074	6029.1	19.29	117.39		323.7	247.1
124.00		0.3125	36.212	35.607	5798.0	19.02	115.88		315.4	243.9
126.00		0.3125	35.742	35.140	5572.8	18.76	114.37	79.3	307.1	240.7
128.00	Bot - Section 5	0.3125	35.271	34.673	5353.6	18.49	112.87		299.0	237.6
130.00	Pot - Section 2	0.3125	34.800	34.206	5140.2	18.23	111.36	80.0	290.9	424.9
132.00		0.3125	34.329	33.739	4932.5	17.96	109.85	80.3	283.0	419.2
134.00	Top - Section 4	0.2500	34.594	27.251	4060.9	22.99	138.37	0.0	0.0	207.5
135.00	Top - Section 4	0.2500	34.358	27.064	3978.0	22.82	137.43	74.6	228.0	92.4
136.00		0.2500	33.887	26.690	3815.5	22.49	135.55	74.9	221.8	182.9
138.00		0.2500	33.417	26.317	3657.5	22.16	133.67		215.6	180.4
140.00		0.2500	32,946	25.943	3504.0	21.83	131.78		209.5	177.8
142.00		0.2500	32.475	25.570	3354.8	21.49	129.90		203.5	175.3
144.00		0.2500	32.240	25.383	3281.8	21.33	128.96	76.3	200.5	86.7
145.00 146.00		0.2500	32.004	25.196	3209.9	21.16	128.02	76.5	197.5	86.1
148.00		0.2500	31.533	24.822	3069.2	20.83	126.13		191.7	170.2
		0.2500	31.062	24.449	2932.7	20.50	124.25		186.0	167.7
150.00 152.00		0.2500	30.592	24.075	2800.3	20.17	122.37		180.3	165.1
		0.2500	30.121	23.702	2671.9	19.83	120.48		174.7	162.6
154.00		0.2500	29.885	23.515	2609.3	19.67	119.54		172.0	80.3
155.00		0.2500	29.650	23.328	2547.6	19.50	118.60	78.5	169.2	79.7
156.00 158.00		0.2500	29.179	22.954	2427.1	19.17	116.72		163.8	157.5
		0.2500	28.708	22.581	2310.5	18.84	114.83		158.5	154.9
160.00		0.2500	28.237	22.207	2197.7	18.51	112.95	79.6	153.3	152.4
162.00		0.2500	27.767	21.834	2088.7	18.17	111.07	80.0	148.2	
164.00		0.2500	27.531	21.647	2035.5	18.01	110.12	80.2	145.6	74.0
165.00		0.2500	27.296	21.460	1983.3	17.84	109.18		143.1	73.3
166.00		0.2500	26.825	21.087	1881.5	17.51	107.30		138.1	144.8
168.00		0.2500	26.354	20.713	1783.3	17.18	105.42		133.3	142.2
170.00		0.2500	25.883	20.339	1688.5	16.85	103.53		128.5	
172.00		0.2500	25.412	19.966	1597.2	16.51	101.65		123.8	137.1
174.00		0.2500	25.177	19.779	1552.7	16.35	100.71		121.5	
175.00		0.2500	24.942	19.592	1509.2	16.18	99.77		119.2	
176.00		0.2500	24.471	19.219	1424.5	15.85	97.88		114.7	
178.00	Top - Section 5	0.2500	24.000	18.845	1343.0	15.52	96.00	82.5	110.2	129.5
180.00	Bot - Section 6	0.2810	24.000	21.154	1503.6	13.80	85.41		123.4	
180.00	Bot - Section o	0.2810	24.000	21.154	1503.6	13.65	85.41	82.5	123.4	
182.00		0.2810	24.000	21.154		13.65	85.41	82.5	123.4	
184.00		0.2810	24.000	21.154		13.65	85.41		123.4	
186.00		0.2810	24.000	21.154	1503.6	13.65	85.41		123.4	
188.00		0.2810	24.000	21.154		13.65	85.41		123.4	
190.00		0.2810	24.000	21.154		13.65	85.41		123.4	
192.00		0.2810	24.000	21.154		13.65	85.41		123.4	
194.00		0.2810	24.000	21.154		13.65	85.41	82.5	123.4	72.0
195.00										

Increment Length: 2 (ft)

Elev		Thick	Dia	Area	lx	W/t	D/t	Fpy	S	Weight	
(ft)	Description	(in)	(in)	(in^2)	(in^4)	Ratio	Ratio	(ksi)	(in^3)	(lb)	
											-

32833.6

Wind Loading - Shaft

CT01501-S-SBA Structure:

Site Name: Morris 195.00 (ft) Height:

Base Elev: 0.000 (ft)

Gh: 1.1 Topography: 1

TIA-222-H Code:

Exposure: С

Crest Height: 0.00 D - Stiff Soil Site Class:

Struct Class: II

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Iterations

Load Case: 1.2D + 1.0W 115 mph Wind

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



Elev (ft) De	scription	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (Ib)	Tot Dead Load (lb)
0.00		1.00	0.85	26.398	29.04	568.64	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00		26.398	29.04	564.48	0.730	0.000		10.876	7.94	230.5	0.0	621.0
4.00		1.00		26.398	29.04	560.33	0.730	0.000		10.796	7.88	228.9	0.0	616.4
6.00		1.00		26.398	29.04	556.18	0.730	0.000		10.717	7.82	227.2	0.0	611.9
8.00		1.00		26.398	29.04	552.03	0.730	0.000		10.637	7.76	225.5	0.0	607.3
10.00		1.00		26.398	29.04	547.88	0.730	0.000		10.557	7.71	223.8	0.0	602.7
12.00		1.00		26.398	29.04	543.73	0.730	0.000	2.00	10.478	7.65	222.1	0.0	598.1
14.00		1.00		26.398	29.04	539.58	0.730	0.000		10.398	7.59	220.4	0.0	593.5
		1.00		26.724	29.40	538.72	0.730	0.000	2.00	10.318	7.53	221.4	0.0	589.0
16.00		1.00		27.395	30.13	541.22	0.730	0.000	2.00	10.239	7.47	225.2	0.0	584.4
18.00		1.00		28.010	30.81	542.98	0.730	0.000	2.00	10.159	7.42		0.0	579.8
20.00	e:	1.00		28.577	31.44	544.13	0.730	0.000	2.00	10.079	7.36	231.3	0.0	575.2
22.00		1.00		29.106	32.02	544.78	0.730	0.000	2.00	9.999	7.30	233.7	0.0	570.7
24.00		1.00		29.600	32.56	544.99	0.730	0.000	2.00	9.920	7.24	235.8	0.0	566.1
26.00		1.00		30.066	33.07	544.83	0.730	0.000	2.00	9.840	7.18	237.6	0.0	561.5
28.00		1.00		30.506	33.56	544.34	0.730	0.000	2.00	9.760	7.13	239.1	0.0	556.9
30.00		1.00		30.923	34.02	543.56	0.730	0.000	2.00	9.681	7.07	240.4	0.0	552.4
32.00		1.00		31.320	34.45	542.52	0.730	0.000	2.00	9.601	7.01	241.5	0.0	547.8
34.00		1.00		31.699	34.87	541.24	0.730	0.000	2.00	9.521	6.95	242.4	0.0	543.2
36.00		1.00		32.062	35.27	539.76	0.730	0.000	2.00	9.442	6.89	243.1	0.0	538.6
38.00				32.410	35.65	538.08	0.730	0.000	2.00	9.362	6.83	243.7	0.0	534.1
40.00		1.00		32.579	35.84	537.18	0.730	0.000	1.00	4.651	3.40	121.7	0.0	265.3
41.00 Bot - Se	ction 2	1.00		32.745	36.02	536.23	0.730	0.000	1.00	4.695	3.43	123.4	0.0	532.0
42.00		1.00		33.067	36.37	534.22	0.730	0.000	2.00	9.330	6.81	247.7	0.0	1057.1
44.00		1.00	1.00		36.72	532.05	0.730	0.000	2.00	9.250	6.75	247.9	0.0	1047.9
46.00		1.00		33.679	37.05	529.75	0.730	0.000	2.00	9.170	6.69	248.0	0.0	1038.8
48.00 Top - Se	ection 1	1.00		33.969		534.83	0.730	0.000	2.00	9.091	6.64	248.0	0.0	518.5
50.00		1.00		34.251	37.68	532.31	0.730	0.000	2.00	9.011	6.58	247.8	0.0	513.9
52.00		1.00		34.524	37.98	529.68	0.730	0.000	2.00	8.931	6.52	247.6	0.0	509.3
54.00		1.00				526.95	0.730	0.000	2.00	8.851	6.46		0.0	504.7
56.00		1.00		34.789	38.55		0.730	0.000	2.00	8.772	6.40		0.0	500.2
58.00		1.00		35.047		521.19	0.730	0.000	2.00		6.35		0.0	495.6
60.00		1.00		35.298			0.730	0.000	2.00		6.29			491.0
62.00		1.00		35.543	39.10 39.36		0.730	0.000	2.00		6.23			486.4
64.00		1.00		35.781			0.730	0.000			6.17			481.8
66.00		1.00		36.014			0.730	0.000	2.00		6.11			477.3
68.00		1.00		36.241	39.87		0.730	0.000			6.05			472.7
70.00		1.00		36.463			0.730	0.000	2.00		6.00			468.1
72.00		1.00		36.680				0.000	2.00		5.94			463.5
74.00		1.00		36.892		498.48	0.730							459.0
76.00		1.00		37.100		494.90	0.730 0.730	0.000			5.82			454.4
78.00		1.00		37.303		491.36	0.730	0.000			5.76			449.8
80.00		1.00		37.502			0.730				2.86			223.2
81.00 Top - S	ection 2	1.00		37.601		485.90	0.730	0.000			2.85			185.3
82.00		1.00	1.21	37.698	41.47	484.05	0.730	0.000			5.65			367.7
84.00		1.00	1.22	37.890	41.68	480.31	0.730	0.000			2.80			182.4
85.00 Bot - Se	ection 4	1.00	1.22	37.984	41.78		0.730	0.000			2.83			365.5
86.00		1.00	1.23	38.078	41.89	476.51	0.730	0.000	UU. F	3.871	2.03	110.4	, 0.0	550.5

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Wind Loading - Shaft

Structure: CT01501-S-SBA

Site Name: Morris Height: 195.00 (ft)

Base Elev: 0.000 (ft)

Code: TIA-222-H

Exposure: С Crest Height: 0.00

Site Class: D - Stiff Soil 7/13/2023 (((H))) ES

Gh : 1	.1	Topography	: 1	St	ruct Cl	ass:	II			Page: 12	Tower I	Engineering Solution		
88.00	1.00	1.23 38.262	42.09	472.67	0.730	0.000	2.00	7.682	5.61	236.0	0.0	725.3		
90.00	1.00	1.24 38.444	42.29	468.78		0.000		7.603	5.55	234.7	0.0	717.6		
91.00 Top - Section	on 3 1.00	1.24 38.533	42.39	466.82		0.000			2.75	116.7	0.0	356.0		
92.00	1.00	1.24 38.622	42.48	471.51		0.000		3.752	2.74	116.3	0.0	178.3		
94.00	1.00	1.25 38.798	42.68	467.55		0.000		7.443	5.43	231.9	0.0	353.7		
96.00	1.00	1.25 38.970	42.87	463.54		0.000		7.364	5.38	230.4				
98.00	1.00	1.26 39.139	43.05	459.49		0.000		7.284	5.32	228.9	0.0 0.0	349.9		
100.00	1.00	1.27 39.306	43.24	455.41		0.000		7.204	5.26	227.4	0.0	346.1 342.3		
102.00	1.00	1.27 39.470	43.42	451.28		0.000		7.125	5.20	225.8	0.0			
104.00	1.00	1.28 39.632	43.60		0.730	0.000		7.045	5.14	224.2	0.0	338.5		
106.00	1.00	1.28 39.791	43.77	442.92		0.000		6.965	5.08	222.6	0.0	334.6 330.8		
108.00	1.00	1.29 39.948	43.94	438.69		0.000		6.886	5.03	220.9	0.0			
110.00	1.00	1.29 40.103	44.11	434.42		0.000		6.806	4.97	219.2		327.0		
112.00	1.00	1.30 40.255	44.28	430.12		0.000		6.726	4.91	217.4	0.0	323.2		
114.00	1.00	1.30 40.406	44.45	425.78		0.000		6.646	4.85	217.4	0.0	319.4		
116.00	1.00	1.31 40.554	44.61	421.42		0.000		6.567	4.79	213.8	0.0	315.6		
118.00	1.00	1.31 40.700	44.77	417.02		0.000		6.487	4.74		0.0	311.8		
120.00	1.00	1.32 40.844	44.93	412.60		0.000		6.407		212.0	0.0	308.0		
122.00	1.00	1.32 40.987	45.09	408.14		0.000		6.328	4.68	210.1	0.0	304.1		
124.00	1.00	1.32 41.127	45.24	403.66		0.000		6.248	4.62	208.3	0.0	300.3		
126.00	1.00	1.33 41.266	45.39	399.15		0.000			4.56	206.3	0.0	296.5		
128.00	1.00	1.33 41.403	45.54	394.62		0.000	2.00 2.00	6.168 6.089	4.50	204.4	0.0	292.7		
130.00 Bot - Section		1.34 41.538	45.69	390.05		0.000	2.00	6.009	4.44	202.4	0.0	288.9		
132.00	1.00	1.34 41.672	45.84	385.47		0.000	2.00		4.39	200.4	0.0	285.1		
134.00	1.00	1.35 41.804	45.98	380.85		0.000	2.00	6.014	4.39	201.2	0.0	509.9		
135.00 Top - Section		1.35 41.870	46.06	378.54		0.000	1.00	5.934 2.937	4.33	199.2	0.0	503.0		
136.00	1.00	1.35 41.935	46.13	381.77		0.000			2.14	98.8	0.0	248.9		
138.00	1.00	1.35 42.064	46.27	377.12		0.000	1.00	2.917	2.13	98.2	0.0	110.9		
140.00	1.00	1.36 42.191	46.41	372.44		0.000	2.00 2.00	5.775 5.695	4.22	195.1	0.0	219.5		
142.00	1.00	1.36 42.318	46.55	367.75	0.730	0.000	2.00		4.16	193.0	0.0	216.4		
144.00	1.00	1.37 42.442	46.69	363.02		0.000	2.00	5.616 5.536	4.10	190.8	0.0	213.4		
145.00 Appurtenanc		1.37 42.504	46.75	360.65	0.730	0.000		2.738	4.04	188.7	0.0	210.3		
146.00	1.00	1.37 42.566	46.82	358.28	0.730	0.000	1.00 1.00	2.738	2.00	93.5	0.0	104.0		
148.00	1.00	1.37 42.688	46.96	353.52		0.000	2.00	5.376	1.98	92.9	0.0	103.3		
150.00	1.00	1.38 42.809	47.09	348.73	0.730	0.000	2.00	5.297	3.92	184.3	0.0	204.2		
152.00	1.00	1.38 42.928	47.22	343.92	0.730	0.000	2.00	5.297	3.87	182.1	0.0	201.2		
154.00	1.00	1.39 43.047	47.35	339.10	0.730	0.000	2.00	5.137	3.81	179.8	0.0	198.1		
155.00 Appurtenance		1.39 43.105	47.42	336.67		0.000	1.00	2.539	3.75 1.85	177.6	0.0	195.1		
156.00	1.00	1.39 43.164	47.48	334.25	0.730	0.000	1.00	2.539		87.9	0.0	96.4		
158.00	1.00	1.39 43.280	47.61	329.38	0.730	0.000	2.00	4.978	1.84	87.3	0.0	95.6		
160.00	1.00	1.40 43.394	47.73	324.50		0.000	2.00	4.898	3.63	173.0	0.0	189.0		
162.00	1.00	1.40 43.508	47.86	319.59		0.000	2.00	4.819	3.58	170.7	0.0	185.9		
164.00	1.00	1.40 43.621	47.98	314.67		0.000			3.52	168.4	0.0	182.9		
165.00 Appurtenance			48.04	312.20		0.000	2.00 1.00	4.739	3.46	166.0	0.0	179.8		
166.00	1.00	1.41 43.732	48.11	309.73		0.000		2.340 2.320	1.71	82.1	0.0	88.8		
168.00	1.00		48.23	304.77		0.000	1.00 2.00		1.69	81.5	0.0	88.0		
170.00	1.00		48.35	299.79	0.730	0.000		4.580	3.34	161.2	0.0	173.7		
172.00	1.00		48.47	294.80	0.730	0.000	2.00	4.500	3.28	158.8	0.0	170.7		
174.00	1.00		48.58	289.79		0.000	2.00	4.420	3.23	156.4	0.0	167.6		
175.00 Appurtenance			48.64	287.28	0.730	0.000	2.00	4.341	3.17	153.9	0.0	164.6		
176.00	1.00		48.70	284.76	0.730	0.000	1.00	2.140	1.56	76.0 75.4	0.0	81.1		
178.00	1.00		48.82	279.72		0.000	1.00	2.120	1.55	75.4	0.0	80.4		
180.00 Top - Section			48.93	274.66	0.730		2.00	4.181	3.05	149.0	0.0	158.5		
182.00	1.00		49.05 =	274.00	0.730	0.000	2.00	4.102	2.99	146.5	0.0	155.4		
184.00	1.00		49.16	275.30		0.000	2.00	4.062	2.97	145.4	0.0	172.8		
186.00	1.00		49.27	275.61		0.000	2.00	4.062	2.97	145.8	0.0	172.8		
188.00	1.00		49.38	275.92		0.000	2.00	4.062	2.97	146.1	0.0	172.8		
		0	.0.00	210.02	5., 50	0.000	2.00	4.062	2.97	146.4	0.0	172.8		

Wind Loading - Shaft

7/13/2023

TIA-222-H Code: CT01501-S-SBA Structure:

Exposure: С Site Name: Morris Crest Height: 0.00 195.00 (ft) Height:

D - Stiff Soil Site Class: Base Elev: 0.000 (ft)

Gh:	1.1		Topography	: 1	Struct C	lass:		Page: 13				TOWN ENGINEERING	
190.00 192.00 194.00 195.00	1.1	1.00 1.00 1.00 1.00	1.45 44.993 1.45 45.092 1.46 45.191 1.46 45.240	49.49 49.60 49.71 49.76	276.23 0.730 276.53 0.730 276.84 0.730 276.99 0.730	0.000	2.00 2.00 2.00 1.00	4.062 4.062 4.062 2.031	2.97 2.97 2.97 1.48	146.7 147.1 147.4 73.8	0.0 0.0 0.0 0.0	172.8 172.8 172.8 86.4	
100.00						Totals:	195.00			20,536.9		39,400.3	

Discrete Appurtenance Forces

Structure: CT01501-S-SBA

Site Name: Morris Height:

195.00 (ft)

Base Elev: 0.000 (ft) Gh:

1.1

Code:

TIA-222-H

Exposure:

С Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: ||

7/13/2023

Page: 14

Load Case: 1.2D + 1.0W 115 mph Wind

Topography: 1

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

Iterations

32

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	175.00	MT6407-77A	3	44.221	48.643	0.52	0.75	7.39	285.84	0.000	0.000	359.31	0.00	0.00
2		Low Profile Platform	1	44.221	48.643	1.00	1.00	22.00	1800.00	0.000	0.000	1070.14	0.00	0.00
3	175.00	Сотпосоре	3	44.221	48.643	1.00	1.00	0.00	91.26	0.000	0.000	0.00	0.00	0.00
4	175.00	HRK14	1	44.221	48.643	1.00	1.00	8.13	604.80	0.000	0.000	395.47	0.00	0.00
5	175.00	NHH-85B-R2B	6	44.221	48.643	0.64	0.75	31.25	314.64	0.000	0.000	1520.10	0.00	0.00
6		BSF0020F3V1-1	2	44.221	48.643	1.00	1.00	1.52	43.20	0.000	0.000	73.94	0.00	0.00
7	175.00	B5/B13 RRH-BR04C	3	44.221	48.643	0.50	0.75	2.82	253.08	0.000	0.000	137.13	0.00	0.00
8	175.00	B2/B66A RRH-BR049	3	44.221	48.643	0.50	0.75	2.82	303.84	0.000	0.000	137.13	0.00	0.00
9	175.00	DB-C1-12C-24AB-0Z	1	44.221	48.643	1.00	1.00	4.06	38.40	0.000	0.000	197.49	0.00	0.00
10	175.00	TD-850B-LTE78-43	3	44.221	48.643	0.50	0.75	3.24	118.80	0.000	0.000	157.66	0.00	0.00
11		AM-X-CD-16-65-00T-RET	1	43.676	48.044	0.72	0.80	5.77	58.20	0.000	0.000	277.43	0.00	0.00
12	165.00	LGP2140X TMA	12	43.676	48.044	0.40	0.80	6.24	273.60	0.000	0.000	299.80	0.00	0.00
13	165.00	RRUS-11	6	43.676	48.044	0.40	0.80	6.05	367.20	0.000	0.000	290.57	0.00	0.00
14	165.00	800 10764	2	43.676	48.044	0.72	0.80	8.47	97.92	0.000	0.000	406.80	0.00	0.00
15	165.00	ABT-DF-DMADBH	1	43.676	48.044	1.00	1.00	0.05	1.32	0.000	0.000	2.40	0.00	0.00
16	165.00	DC6-48-60-18-8F	1	43.676	48.044	1.00	1.00	0.92	38.16	0.000	0.000	44.20	0.00	0.00
17	165.00	Low Profile Platform	1	43.676	48.044	1.00	1.00	22.00	1800.00	0.000	0.000	1056.97	0.00	0.00
18		7770.00	6	43.676	48.044	0.58	0.80	19.27	252.00	0.000	0.000	925.91	0.00	0.00
19	155.00	Commscope VV-65A-R1	3	43.105	47.416	0.55	0.75	9.75	85.72	0.000	0.000	462.32	0.00	0.00
20	155.00	782 11056	3	43.105	47.416	0.65	0.75	0.55	19.08	0.000	0.000	25.99	0.00	0.00
21	155.00	S20057A1	3	43.105	47.416	0.55	0.75	1.35	39.60	0.000	0.000	63.86	0.00	0.00
22	155.00	KRY 112 144/1	3	43.105	47.416	0.52	0.75	0.65	39.60	0.000	0.000	30.62	0.00	0.00
23	155.00	Low Profile Platform	1	43.105	47.416	1.00	1.00	22.00	1800.00	0.000	0.000	1043.15	0.00	0.00
24	155.00	HRK12 (Handrail Kit)	1	43.105	47.416	1.00	1.00	7.75	314.06	0.000	0.000	367.47	0.00	0.00
25	155.00	Ericsson 4460 B25 + B66	3	43.105	47.416	0.38	0.75	2.41	374.40	0.000	0.000	114.15	0.00	0.00
26	155.00	Ericsson 4480 B71 + B85	3	43.105	47.416	0.38	0.75	2.72	334.80	0.000	0.000	129.09	0.00	0.00
27	155.00	PRK-1245 (kicker kit)	1	43.105	47.416	1.00	1.00	9.50	557.89	0.000	0.000	450.45	0.00	0.00
28	155.00	Ericsson AIR6449 B41	3	43.105	47.416	0.53	0.75	9.03	370.80	0.000	0.000	427.97	0.00	0.00
29	155.00	RFS	3	43.105	47.416	0.52	0.75	31.88	460.80	0.000	0.000	1511.52	0.00	0.00
30	145.00	MC-PK8-DSH	1	42.504	46.755	1.00	1.00	37.59	2072.40	0.000	0.000	1757.51	0.00	0.00
31	145.00	RDIDC-9181-OF-48	1		46.755	0.75	0.75	1.51	26.28	0.000	0.000	70.48	0.00	0.00
32	145.00	TA08025-B604	3		46.755	0.38	0.75	2.21	230.04	0.000	0.000	103.09	0.00	0.00
33	145.00	TA08025-B605	3	42.504	46.755	0.38	0.75	2.21	270.00	0.000	0.000	103.09	0.00	0.00
34	145.00	MX08FRO665-21	3		46.755	0.55	0.75	20.80	232.20	0.000	0.000	972.31	0.00	0.00
							Totals:		3 969 93	3.000		1 085 51	0.00	0.00

Totals:

13,969.93

14,985.51

Total Applied Force Summary

Structure: CT01501-S-SBA

195.00 (ft)

TIA-222-H Code:

7/13/2023

Site Name: Morris

Exposure:

Site Class:

С

Crest Height: 0.00

Struct Class: II

Base Elev: 0.000 (ft) Gh: 1.1

Height:

Topography: 1

D - Stiff Soil

Page: 15



Load Case: 1.2D + 1.0W 115 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00

Iterations 32

Elev		Lateral FX (-)	Axial FY (-)	Torsion MY	Moment MZ (lb-ft)		
(ft) Desc	ription	(Ib)	(lb)	(lb-ft)			
0.00		0.00	0.00	0.00	0.00		
2.00		230.55	738.79	0.00	0.00		
4.00		228.86	734.22	0.00	0.00		
6.00		227.17	729.64	0.00	0.00		
8.00		225.48	725.06	0.00	0.00		
10.00		223.79	720.49	0.00	0.00		
12.00		222.10	715.91	0.00	0.00		
14.00		220.41	711.33	0.00	0.00		
16.00		221.43	706.76	0.00	0.00		
18.00		225.23	702.18	0.00	0.00		
20.00		228.49	697.60	0.00	0.00		
22.00		231.29	693.03	0.00	0.00		
24.00		233.71	688.45	0.00	0.00		
26.00		235.78	683.87	0.00	0.00		
28.00		237.57	679.30	0.00	0.00		
30.00		239.09	674.72	0.00	0.00		
32.00		240.38	670.15	0.00	0.00		
34.00		241.47	665.57	0.00	0.00		
36.00		242.36	660.99	0.00	0.00		
38.00		243.09	656.42	0.00	0.00		
40.00		243.65	651.84	0.00	0.00		
41.00		121.68	324.20	0.00	0.00		
42.00		123.44	590.87	0.00	0.00		
44.00		247.73	1174.88	0.00	0.00		
46.00		247.92	1165.72	0.00	0.00		
48.00		248.00	1156.57	0.00	0.00		
50.00		247.97	636.25	0.00	0.00		
52.00		247.83	631.67	0.00	0.00		
54.00		247.60	627.09	0.00	0.00		
56.00		247.27	622.52	0.00	0.00		
58.00		246.87	617.94	0.00	0.00		
60.00		246.38	613.36	0.00	0.00		
62.00		245.81	608.79	0.00	0.00		
		245.17	604.21	0.00	0.00		
64.00		244.46	599.63	0.00	0.00		
66.00		243.68	595.06	0.00	0.00		
68.00		242.84	590.48	0.00	0.00		
70.00		241.93	585.91	0.00	0.00		
72.00		240.97	581.33	0.00	0.00		
74.00		239.96	576.75	0.00	0.00		
76.00		238.89	572.18	0.00	0.00		
78.00		237.76	567.60	0.00	0.00		
80.00			282.08	0.00	0.00		
81.00		118.29	282.08 244.18	0.00	0.00		
82.00		117.99		0.00	0.00		
84.00		235.37	485.51	0.00	0.00		
85.00		117.07	241.32	0.00	0.00		
86.00		118.36	424.38	0.00	0.00		

Total Applied Force Summary

Structure: CT01501-S-SBA Code:

TIA-222-H Exposure: С

7/13/2023

Site Name: Morris Height: 195.00 (ft)

Crest Height: 0.00

Heigh	` '	,			neignt:	0.00		
Base E	Elev: 0.000 (ft)			Site Cl	ass:	D - Stiff Soil		_
Gh:	1.1	Тор	ography: 1	Struct	Class:	11	Page: 16	Tov
88.00		236.04	843.04	0.00	0.00	0		_
90.00		234.70	835.41	0.00	0.00			
91.00		116.70	414.85	0.00	0.00			
92.00		116.35	237.18	0.00	0.00			
94.00		231.89	471.50	0.00	0.00			
96.00		230.43	467.69	0.00	0.00			
98.00		228.93	463.88	0.00	0.00			
100.00		227.39	460.06	0.00	0.00			
102.00		225.81	456.25	0.00	0.00			
104.00		224.20	452.43	0.00	0.00			
106.00		222.55	448.62	0.00	0.00			
108.00		220.88	444.81	0.00				
110.00		219.17	440.99	0.00	0.00			
112.00		217.42	437.18		0.00			
114.00		217.42		0.00	0.00			
116.00		213.84	433.36	0.00	0.00			
118.00			429.55	0.00	0.00			
		212.01	425.74	0.00	0.00			
120.00		210.15	421.92	0.00	0.00			
122.00		208.26	418.11	0.00	0.00			
124.00		206.34	414.30	0.00	0.00			
126.00		204.40	410.48	0.00	0.00)		
128.00		202.43	406.67	0.00	0.00)		
130.00		200.43	402.85	0.00	0.00)		
132.00		201.24	627.69	0.00	0.00)		
134.00		199.21	620.83	0.00	0.00)		
135.00		98.75	307.84	0.00	0.00)		
136.00		98.24	169.79	0.00	0.00)		
138.00		195.06	337.28	0.00	0.00)		
140.00		192.95	334.23	0.00	0.00			
142.00		190.82	331.18	0.00	0.00			
144.00		188.67	328.13	0.00	0.00			
145.00	(11) attachments	3099.94	2993.84	0.00	0.00			
146.00		92.91	159.77	0.00	0.00			
148.00		184.30	317.25	0.00	0.00			
150.00		182.08	314.20	0.00	0.00			
152.00		179.84	311.15	0.00	0.00			
154.00		177.58	308.10	0.00	0.00			
155.00	(27) attachments	4714.47	4549.66	0.00	0.00			
156.00	(2.)	87.31	133.23	0.00	0.00			
158.00		173.01	264,17					
160.00				0.00	0.00			
162.00		170.69 168.35	261.12 358.07	0.00	0.00			
164.00		165.99	258.07	0.00	0.00			
165,00	(20) attachments		255.02	0.00	0.00			
	(30) attachments	3386.12	3014.76	0.00	0.00			
166.00		81.46	107.64	0.00	0.00			
168.00		161.23	212.99	0.00	0.00			
170.00		158.82	209.94	0.00	0.00			
172.00		156.39	206.88	0.00	0.00			
174.00		153.95	203.83	0.00	0.00			
175.00	(26) attachments	4124.37	3954.63	0.00	0.00			
176.00		75.39	84.96	0.00	0.00			
178.00		149.00	167.64	0.00	0.00			
180.00		146.51	164.58	0.00	0.00			
182.00		145.42	181.92	0.00	0.00			
184.00		145.76	181.92	0.00	0.00			
186.00		146.09	181.92	0.00	0.00			
188.00		146.42	181.92	0.00	0.00			
,00,00			101.92 abt @ 2022 by Taw	0.00	0.00			

Total Applied Force Summary

CT01501-S-SBA Structure:

TIA-222-H Code:

7/13/2023

Site Name: Morris

Exposure:

Height:

195.00 (ft)

С

((H))

Base Elev: 0.000 (ft)

Crest Height: 0.00

Site Class:

D - Stiff Soil

Gh:	1.1	Тор	ography: 1	Struct Class: 1		
190.00		146,75	181.92	0.00	0.00	
192.00		147.07	181.92	0.00	0.00	
194.00		147.39	181.92	0.00	0.00	
195.00		73.78	90.96	0.00	0.00	
, , , , , , , , , , , , , , , , , , , ,	Totals:	35,522.42	63,138.45	0.00	0.00	

Linear Appurtenance Segment Forces (Factored)

Structure: CT01501-S-SBA Code: TIA-222-H

7/13/2023

Site Name: Morris Height: 195.00 (ft)

Exposure: С

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: ||

Page: 18

Load Case: 1.2D + 1.0W 115 mph Wind

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



Iterations

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Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.027	0.000	26.398	0.00	4.78
4.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.027	0.000	26.398	0.00	4.78
6.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.027	0.000	26.398	0.00	4.78
8.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.027	0.000	26.398	0.00	4.78
10.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	26.398	0.00	4.78
12.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	26.398	0.00	4.78
14.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	26.398	0.00	4.78
16.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	26.724	0.00	4.78
18.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	27.395	0.00	4.78
20.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	28.010	0.00	4.78
22.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	28.577	0.00	4.78
24.00	1. 75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	29.106	0.00	4.78
26.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	29.600	0.00	4.78
28.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	30.066	0.00	4.78
30.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	30.506	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	30.923	0.00	4.78
34.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	31.320	0.00	4.78
36.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	31.699	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	32.062	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	32.410	0.00	4.78
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.031	0.000	32.579	0.00	2.39
42.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.031	0.000	32.745	0.00	2.39
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	33.067	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	33.378	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	33.679	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	33.969	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	34.251	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	34.524	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	34.789	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	35.047	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	35.298	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	35.543	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	35.781	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	36.014	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	36.241	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	36.463	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	36.680	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	36.892	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	37.100	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	37.303	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	37.502	0.00	4.78
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.037	0.000	37.601	0.00	2.39
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.037	0.000	37.698	0.00	2.39
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	37.890	0.00	4.78
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.038	0.000	37.984	0.00	2.39
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.038	0.000	38.078	0.00	2.39
88.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	38.262	0.00	4.78

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Linear Appurtenance Segment Forces (Factored)

Site Class:

CT01501-S-SBA Structure:

TIA-222-H Code:

D - Stiff Soil

7/13/2023

Site Name: Morris

С Exposure:

195.00 (ft) Height:

Crest Height: 0.00

32

Base Elev: 0.000 (ft) 1.1 Gh:

Struct Class: || Topography: 1

Page: 19

Iterations

((H))

Load Case: 1.2D + 1.0W 115 mph Wind

1.20 Dead Load Factor 1.00 Wind Load Factor



Top Elev	Description	Wind Exposed	Length	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (Ib)
(ft)		Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	38.444	0.00	4.78
90.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.039	0.000	38.533	0.00	2.39
91.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.039	0.000	38.622	0.00	2.39
92.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	38.798	0.00	4.78
94.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	38.970	0.00	4.78
96.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	39.139	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	39.306	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	39.470	0.00	4.78
	1.75" Hybrid		2.00	0.000	1.75	0.29	0.00	0.041	0.000	39.632	0.00	4.78
	1.75" Hybrid	Yes Yes	2.00	0.000	1.75	0.29	0.00	0.042	0.000	39.791	0.00	4.78
	1.75" Hybrid		2.00	0.000	1.75	0.29	0.00	0.042	0.000	39.948	0.00	4.78
	1. 75 " Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	40.103	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	40.255	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	40.406	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	40.554	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.045	0.000	40.700	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	40.844	0.00	4.78
120.00		Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	40.987	0.00	4.78
122.00	-	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	41.127	0.00	4.78
124.00	1. 75 " Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	41.266	0.00	4.78
126.00	· ·	Yes	2.00	0.000	1.75	0.29	0.00	0.048	0.000	41.403	0.00	4.78
128.00	•	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	41.538	0.00	4.78
130.00	•	Yes		0.000	1.75	0.29	0.00	0.049	0.000	41.672	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.050	0.000	41.804	0.00	4.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.15	0.00	0.050	0.000	41.870	0.00	2.39
135.00		Yes	1.00		1.75	0.15	0.00	0.050	0.000	41.935	0.00	2.39
136.00	•	Yes	1.00	0.000	1.75	0.13	0.00	0.051	0.000	42.064	0.00	4.78
138.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.051	0.000	42.191	0.00	4.78
140.00	1.75" Hybrid	Yes	2.00	0.000		0.29	0.00	0.052	0.000	42,318	0.00	4.78
142.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.052	0.000	42.442	0.00	4.78
144.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.053	0.000	42.504	0.00	2.39
145.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.055		tals:	0.0	346.4

Structure: CT01501-S-SBA

Code: TIA-222-H

7/13/2023

Site Name: Morris Height: 195.00

Exposure: C

 Height:
 195.00 (ft)
 Crest Height:
 0.00

 Base Elev:
 0.000 (ft)
 Site Class:
 D - S

D - Stiff Soil

IES

Gh: 1.1

Topography: 1

Struct Class: ||

Page: 20

Iterations 32

Load Case: 1.2D + 1.0W 115 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment	phi Pn	phi Vn	phi Tn	phi Mn	Total Deflect	Sway	Twist	Stress
0.00	-63.12	-35.56	0.00	-4503.7	0.00	(ft-kips) 4503.71	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
2.00	-62.34	-35.40	0.00	-4432.5	0.00	4432.59	4628.91	1339.45	7126.38	6119.66	0.00	0.000	0.000	0.750
4.00	-61.57	-35.24	0.00	-4361.8	0.00	4361.80	4612.68 4596.18	1329.62	7022.11 6918.62	6053.16	0.01	-0.064	0.000	0.747
6.00	-60.80	-35.08	0.00	-4291.3	0.00	4291.32	4579.43	1319.78		5986.64	0.06	-0.129	0.000	0.743
8.00	-60.03	-34.92	0.00	-4221.1	0.00	4221.17	4579.43	1309.95 1300.11	6815.89	5920.10	0.12	-0.194	0.000	0.739
10.00	-59.27	-34.76	0.00	-4151.3	0.00	4151.34	4545.12	1290.28	6713.93	5853.55	0.22	-0.259	0.000	0.735
12.00	-58.52	-34.60	0.00	-4081.8	0.00	4081.82	4527.57	1280.44	6612.74 6512.31	5787.00	0.34	-0.325	0.000	0.731
14.00	-57.77	-34.44	0.00	-4012.6	0.00	4012.63	4509.77	1270.61	6412.66	5720.46	0.49	-0.391	0.000	0.727
16.00	-57.02	-34.28	0.00	-3943.7	0.00	3943.75	4491.69	1260.77		5653.92	0.67	-0.457	0.000	0.723
18.00	-56.28	-34.11	0.00	-3875.1	0.00	3875.19	4473.36	1250.77	6313.77 6215.65	5587.41	0.88	-0.524	0.000	0.719
20.00	-55.55	-33.94	0.00	-3806.9	0.00	3806.96	4454.76			5520.93	1.11	-0.591	0.000	0.715
22.00	-54.82	-33.77	0.00	-3739.0	0.00	3739.08	4435.90	1241.10 1231.27	6118.30 6021.72	5454.49	1.37	-0.659	0.000	0.711
24.00	-54.09	-33.59	0.00	-3671.5	0.00	3671.54	4416.78	1221.43		5388.08	1.67	-0.727	0.000	0.707
26.00	-53.37	-33.41	0.00	-3604.3	0.00	3604.36	4397.40	1221.43	5925.90	5321.73	1.99	-0.795	0.000	0.703
28.00	-52.66	-33.23	0.00	-3537.5	0.00	3537.54	4377.75		5830.86	5255.44	2.33	-0.864	0.000	0.699
30.00	-51.95	-33.04	0.00	-3471.0	0.00	3471.09	4377.75 4357.84	1201.76	5736.58	5189.22	2.71	-0.934	0.000	0.695
32.00	-51.24	-32.85	0.00	-3405.0	0.00	3405.01	4337.67	1191.93	5643.07	5123.07	3.12	-1.003	0.000	0.690
34.00	-50.54	-32.66	0.00	-3339.3	0.00	3339.32		1182.09	5550.33	5057.01	3.55	-1.073	0.000	0.686
36.00	-49.84	-32.46	0.00	-3274.0	0.00	3274.00	4317.23	1172.26	5458.36	4991.03	4.02	-1.144	0.000	0.682
38.00	-49.15	-32.27	0.00	-3209.0	0.00	3209.08	4296.53	1162.42	5367.16	4925.16	4.51	-1.214	0.000	0.677
40.00	-48.48	-32.05	0.00	-3144.5	0.00	3144.55	4275.57 4254.35	1152.59	5276.73	4859.38	5.04	-1.286	0.000	0.673
41.00	-48.13	-31.95	0.00	-3112.4	0.00	3112.49		1142.76	5187.06	4793.73	5.59	-1.357	0.000	0.668
42.00	-47.52	-31.86	0.00	-3080.5	0.00	3080.54	4243.64	1137.84	5142.51	4760.94	5.88	-1.393	0.000	0.666
44.00	-46.31	-31.64	0.00	-3016.8	0.00	3016.82	4232.86	1132.92	5098.16	4728.19	6.18	-1.429	0.000	0.664
46.00	-45.11	-31.42	0.00	-2953.5	0.00	2953.53	4211.11	1123.09	5010.03	4662.78	6.79	-1.502	0.000	0.659
48.00	-43.92	-31.20	0.00	-2890.6	0.00	2890.69	4189.10	1113.25	4922.67	4597.51	7.44	-1.574	0.000	0.654
50.00	-43.25	-30.98	0.00	-2828.3	0.00	2828.30	4202.19	1119.08	4974.38	4636.19	8.11	-1.647	0.000	0.635
52.00	-42.59	-30.77	0.00	-2766.3	0.00	2766.33	4180.07	1109.25	4887.33	4570.98	8.82	-1.721	0.000	0.630
54.00	-41.93	-30.55	0.00	-2704.8	0.00	2700.33	4157.69	1099.41	4801.05	4505.91	9.55	-1.792	0.000	0.625
56.00	-41.28	-30.34	0.00	-2643.6	0.00	2643.69	4135.04 4112.14	1089.58	4715.54	4441.00	10.32	-1.863	0.000	0.620
58.00	-40.64	-30.12	0.00	-2583.0	0.00	2583.01		1079.74	4630.79	4376.25	11.12	-1.934	0.000	0.615
60.00	-39.99	-29.90	0.00	-2522.7	0.00	2522.77	4088.97	1069.91	4546.82	4311.67	11.94	-2.005	0.000	0.610
62.00	-39.36	-29.69	0.00	-2462.9	0.00	2462.96	4065.54	1060.07	4463.61	4247.27	12.80	-2.077	0.000	0.605
64.00	-38.73	-29.47	0.00	-2403.6	0.00	2402.90	4041.84	1050.24	4381.17	4183.06	13.68	-2.150	0.000	0.599
66.00	-38.10	-29.25	0.00	-2344.6	0.00	2344.66	4017.89	1040.40	4299.50	4119.03	14.60	-2.222	0.000	0.594
68.00	-37.48	-29.03	0.00	-2286.1	0.00	2286.17	3993.67	1030.57	4218.60	4055.21	15.55	-2.295	0.000	0.589
70.00	-36.86	-28.81	0.00	-2228.1	0.00	2228.12	3969.18	1020.73	4138.47	3991.60	16.52	-2.368	0.000	0.583
72.00		-28.59	0.00	-2170.5	0.00	2170.51	3944.44	1010.90	4059.10	3928.21	17.53	-2.441	0.000	0.577
74.00	-35.64	-28.37	0.00	-2113.3	0.00	2113.34	3919.43	1001.06	3980.51	3865.04	18.57	-2.514	0.000	0.572
76.00	-35.04	-28.14	0.00	-2056.6	0.00	2056.61	3894.16	991.23	3902.68	3802.10	19.64	-2.588	0.000	0.566
78.00		-27.92	0.00	-2000.3	0.00	2000.32	3868.63	981.39	3825.62	3739.40	20.74	-2.662	0.000	0.560
80.00	-33.86			-1944.4	0.00	2000.32 1944.47	3842.83	971.56	3749.33	3676.95	21.87	-2.736	0.000	0.554
81.00	-33.57			-1916.7	0.00	1916.78	3816.78			3614.75	23.03	-2.810	0.000	0.548
81.00		-27.58		-1916.7	0.00	1916.78	3803.65	956.81		3583.75	23.62	-2.847	0.000	0.545
82.00		-27.49		-1889.2	0.00	1889.20	2964.89	798.43		2801.11	23.62	-2.847	0.000	0.697
84.00		-27.27		-1834.2	0.00		2956.04		3007.44		24.22	-2.885	0.000	0.692
85.00	-32.54			-1806.9	0.00	1834.23 1806.96	2938.13		2945.70		25.45	-2.974	0.000	0.684
86.00	-32.09			-1779.8	0.00	1779.80	2929.08		2915.07		26.08	-3.019	0.000	0.679
				1110.0	0,00	1778.00	2919.97	111.94	2884.60	2687.40	26.72	-3.063	0.000	0.674

7/13/2023

TIA-222-H Code: Structure: CT01501-S-SBA

Exposure: С Site Name: Morris Crest Height: 0.00 195.00 (ft) Height:

D - Stiff Soil Site Class: Base Elev: 0.000 (ft)

Gh:	Elev.	1.1	, , , , , , , , , , , , , , , , , , ,	Top	ography:	1 \$	Struct Clas	ss: II			Pag	ge: 21	Tower Engineer	ring Solutions
GII.							2901.54	769.74	2824.14	2642.11	28.02	-3.153	0.000	0.665
88.00	-31.22	-26.83	0.00	-1725.6	0.00	1725.68	2882.85	761.55	2764.32	2596.94	29.36	-3.242		0.656
90.00	-30.37	-26.58	0.00	-1672.0	0.00	1672.03	2898.33	768.33	2813.78	2634.30	30.04	-3.287		0.636
91.00	-29.94	-26.46	0.00	-1645.4	0.00	1645.45 1618.99	2889.00	764.23	2783.84	2611.72	30.74	-3.332		0.631
92.00	-29.68	-26.37	0.00	-1618.9	0.00	1566.25	2870.13	756.03	2724.45	2566.64	32.15	-3.417	0.000	0.622
94.00	-29.18	-26.15	0.00	-1566.2	0.00	1513.94	2851.00	747.84	2665.70	2521.69	33.60	-3.503	0.000	0.612
96.00	-28.69	-25.94	0.00	-1513.9	0.00	1462.07	2831.61	739.64	2607.60	2476.90	35.08	-3.588	0.000	0.601
98.00	-28.20	-25.72	0.00	-1462.0	0.00 0.00	1410.63	2811.95	731.45	2550.13	2432.25	36.60	-3.673	0.000	0.591
100.00	-27.72	-25.51	0.00	-1410.6		1359.61	2792.03	723.25	2493.30	2387.76	38.16	-3.758	0.000	0.580
102.00	-27.24	-25.29	0.00	-1359.6	0.00 0.00	1309.03	2771.85	715.06	2437.12	2343.44	39.75	-3.842	0.000	0.569
104.00	-26.77	-25.08	0.00	-1309.0	0.00	1258.88	2751.41	706.86	2381.57	2299.29	41.38	-3.926	0.000	0.558
106.00	-26.30	-24.86	0.00	-1258.8	0.00	1209.15	2730.70	698.66	2326.66	2255.33	43.04	-4.010	0.000	0.547
108.00	-25.84		0.00	-1209.1 -1159.8	0.00	1159.85	2709.73	690.47	2272.40	2211.55	44.74	-4.093	0.000	0.535
110.00	-25.38	-24.44	0.00	-1110.9	0.00	1110.97	2688.50	682.27	2218.77	2167.98	46.47	-4.176	0.000	0.523
112.00		-24.23	0.00	-1110.9	0.00	1062.52	2667.01	674.08	2165.79	2124.61	48.23	-4.258	0.000	0.511
114.00	-24.47	-24.01	0.00	-1002.5	0.00	1014.50	2645.25	665.88	2113.44	2081.45	50.03	-4.339	0.000	0.498
116.00	-24.03	-23.80	0.00	-966.90	0.00	966.90	2623.23	657.69	2061.74	2038.51	51.87	-4.419	0.000	0.485
118.00	-23.59	-23.59	0.00	-900.90 -919.71	0.00	919.71	2600.95	649.49	2010.67	1995.80	53.73	-4.498	0.000	0.471
120.00	-23.15		0.00	-872.96	0.00	872.96	2578.41	641.29	1960.25	1953.33	55.63	-4.577	0.000	0.457
122.00	-22.72		0.00	-826.62	0.00	826.62	2555.60	633.10	1910.47	1911.10	57.57	-4.654	0.000	0.443
124.00	-22.29	-22.96 -22.75	0.00	-780.69	0.00	780.69	2532.53	624.90	1861.32	1869.12	59.53	-4.730	0.000	0.428
126.00	-21.87		0.00	-735.19	0.00	735.19	2509.20	616.71	1812.82	1827.41	61.53	-4.804	0.000	0.412
128.00	-21.45		0.00	-690.10	0.00	690.10	2485.60	608.51	1764.96	1785.96	63.55	-4.877	0.000	0.396
130.00	-21.04	-22.34 -22.11	0.00	-645.43	0.00	645.43	2461.74	600.32	1717.74	1744.78	65.61	-4.948		0.380
132.00	-20.40		0.00	-601.21	0.00	601.21	2437.62	592.12	1671.15	1703.88	67.70	-5.017	0.000	0.362
134.00	-19.78 -19.47	-21.87 -21.76	0.00	-579.34	0.00	579.34	1823.78	478.25	1362.76	1289.51	68.75	-5.051		0.462
135.00			0.00	-557.58	0.00	557.58	1816.04	474.97	1344.14	1275.17	69.81	-5.084		0.450
136.00	-19.29 -18.94		0.00	-514.25	0.00	514.25	1800.35	468.42	1307.29	1246.57	71.95	-5.161		0.425
138.00	-18.60	_	0.00	-471.32	0.00	471.32	1784.40	461.86	1270.94	1218.11	74.13	-5.235		0.399
140.00 142.00	-18.26		0.00	-428.79	0.00	428.79	1768.19	455.30	1235.12	1189.78	76.34	-5.305		0.373
	-17.94		0.00	-386.65	0.00	386.65	1751.71	448.75	1199.80	1161.59	78.57	-5.371		0.345
144.00 145.00	-15.24		0.00	-365.79	0.00	365.79	1743.38	445.47	1182.33	1147.55	79.70	-5.403		0.329
146.00	-15.27		0.00	-348.28	0.00	348.28	1734.98	442.19	1165.00	1133.55	80.83	-5.434		0.317
148.00	-14.76		0.00	-313.46	0.00	313.46	1717.98	435.63	1130.70	1105.67	83.12	-5.492		0.294
150.00	-14.45		0.00	-279.04	0.00	279.04	1700.71	429.08	1096.92	1077.96	85.43	-5.547		0.269
152.00	-14.14		0.00	-245.02	0.00	245.02	1683.19	422.52	1063.66	1050.42	87.76	-5.598		0.243
154.00	-13.84		0.00	-211.39	0.00	211.39	1665.40	415.96	1030.90	1023.06	90.11	-5.645		0.217
155.00	-9.78		0.00	-194.77	0.00	194.77	1656.41	412.69	1014.72	1009.45	91.29	-5.666		0.200
156.00	-9.65		0.00	-183.29	0.00	183.29	1647.35	409.41	998.66	995.89	92.48	-5.687		0.191 0.172
158.00	-9.39		0.00	-160.52	0.00	160.52	1629.04	402.85	966.93	968.91	94.87	-5.725		0.172
160.00	-9.14		0.00	-138.13	0.00	138.13	1610.46	396.29	935.71	942.14	97.27	-5.760		0.133
162.00	-8.90		0.00	-116.13	0.00	116.13	1591.62	389.74	905.01	915.58	99.69	-5.791		0.133
164.00	-8.66		0.00	-94.50	0.00	94.50	1572.52	383.18	874.81	889.24	102.12	-5.819		0.113
165.00	-6.00		0.00	-83.88	0.00	83.88	1562.88	379.90	859.91	876.15	103.33	-5.831		0.100
166.00	-5.90		0.00	-76.93	0.00	76.93	1553.16	376.62	845.13	863.13	104.55	-5.842		0.080
168.00	-5.70		0.00	-63.20	0.00	63.20	1533.53	370.07	815.96	837.25	107.00	-5.862		0.065
170.00	-5.51		0.00	-49.84	0.00	49.84	1513.65	363.51	787.30	811.61	109.46	-5.879		0.051
172.00	-5.32		0.00	-36.83	0.00	36.83	1493.49	356.96	759.16	786.22	111.92	-5.893		0.036
174.00	-5.13		0.00	-24.18	0.00	24.18	1473.08	350.40	731.53	761.10	114.39	-5.903		0.025
175.00	-1.62		0.00	-18.02	0.00	18.02	1462.77	347.12	717.90	748.63	115.62	-5.907		0.023
176.00	-1.54		0.00	-16.38	0.00	16.38	1452.40	343.84	704.41	736.23	116.86	-5.910		0.023
178.00	-1.39		0.00	-13.26	0.00	13.26	1427.84	337.29	677.80	709.84	119.33	-5.916		0.020
180.00	-1.24		0.00	-10.47	0.00	10.47	1400.09	330.73	651.70	682.38	121.80	-5.921		0.015
180.00	-1.24		0.00	-10.47	0.00	10.47	1571.64	371.25	730.60	763.99	121.80	-5.921		0.013
182.00	-1.08		0.00	-8.00	0.00	8.00	1571.64	371.25	730.60	763.99	124.28	-5.925 -5.927		0.008
184.00	-0.91		0.00	-5.86	0.00	5.86	1571.64	371.25	730.60	763.99	126.76	-5.929		0.006
186.00	-0.75	-0.74	0.00		0.00	4.05	1571.64	371.25			129.24	-5.828	, 0.000	5,550
				0		by Tower En	aineerina Sol	utions, LL0	C. All riahts	s reserved.				

CT01501-S-SBA Structure:

Site Name: Morris

195.00 (ft)

Base Elev: 0.000 (ft)

Height:

Code: TIA-222-H

Exposure:

С

Crest Height: 0.00

Site Class:

D - Stiff Soil



9	Gh:		1.1		Торс	graphy:	1		Struct Clas	ss:			Pa	ge: 22	Tower Engineer	ing Solutions
	188.00	-0.58	-0.58	0.00	-2.56	0.00		2.56	1571.64	371.25	730.60	763.99	131.72	-5.930	0.000	0.004
	190.00	-0.41	-0.41	0.00	-1.41	0.00		1.41	1571.64	371.25	730.60	763.99	134.20	-5.931	0.000	0.002
	192.00	-0.25	-0.25	0.00	-0.58	0.00		0.58	1571.64	371.25	730.60	763.99	136.68	-5.931	0.000	0.001
	194.00	-0.08	-0.08	0.00	-0.08	0.00		80.0	1571.64	371.25	730.60	763.99	139.16	-5.932	0.000	0.000
	195.00	0.00	-0.07	0.00	0.00	0.00		0.00	1571.64	371.25	730.60	763.99	140.40	-5.932	0.000	0.000

CT01501-S-SBA Structure:

Site Name: Morris Height:

195.00 (ft)

Base Elev: 0.000 (ft)

1.1 Gh:

TIA-222-H Code:

Exposure:

С Crest Height: 0.00

D - Stiff Soil

Site Class:

Struct Class: ||

7/13/2023

((H))

Tot

Page: 23

Load Case: 0.9D + 1.0W 115 mph Wind

Topography: 1

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



Iterations

31

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)	Dead Load (Ib)
		1.00	0.85	26.398	29.04	568.64	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
0.00		1.00		26.398	29.04	564.48	0.730	0.000	2.00	10.876	7.94	230.5	0.0	465.8
2.00		1.00		26.398	29.04	560.33	0.730	0.000	2.00	10.796	7.88	228.9	0.0	462.3
4.00		1.00		26.398	29.04	556.18	0.730	0.000	2.00	10.717	7.82	227.2	0.0	458.9
6.00		1.00		26.398	29.04	552.03	0.730	0.000	2.00	10.637	7.76	225.5	0.0	455.5
8.00		1.00		26.398	29.04	547.88	0.730	0.000	2.00	10.557	7.71	223.8	0.0	452.0
10.00		1.00		26.398	29.04	543.73	0.730	0.000	2.00	10.478	7.65	222.1	0.0	448.6
12.00		1.00		26.398	29.04	539.58	0.730	0.000		10.398	7.59	220.4	0.0	445.2
14.00		1.00		26.724	29.40	538.72	0.730	0.000	2.00	10.318	7.53	221.4	0.0	441.7
16.00		1.00		27.395	30.13	541.22	0.730	0.000	2.00	10.239	7.47	225.2	0.0	438.3
18.00	-	1.00		28.010	30.81	542.98	0.730	0.000	2.00	10.159	7.42	228.5	0.0	434.9
20.00		1.00		28.577	31.44	544.13	0.730	0.000	2.00	10.079	7.36	231.3	0.0	431.4
22.00		1.00		29.106	32.02	544.78	0.730	0.000	2.00	9.999	7.30	233.7	0.0	428.0
24.00		1.00		29.600	32.56	544.99	0.730	0.000	2.00	9.920	7.24	235.8	0.0	424.6
26.00		1.00		30.066	33.07	544.83	0.730	0.000	2.00	9.840	7.18	237.6	0.0	421.1
28.00		1.00		30.506	33.56	544.34	0.730	0.000	2.00	9.760	7.13	239.1	0.0	417.7
30.00		1.00		30.923	34.02	543.56	0.730	0.000	2.00	9.681	7.07	240.4	0.0	414.3
32.00				31.320	34.45	542.52	0.730	0.000	2.00	9.601	7.01	241.5	0.0	410.8
34.00		1.00		31.699	34.87	541.24	0.730	0.000	2.00	9.521	6.95	242.4	0.0	407.4
36.00		1.00		32.062	35.27	539.76	0.730	0.000	2.00	9.442	6.89	243.1	0.0	404.0
38.00		1.00		32.410	35.65	538.08	0.730	0.000	2.00	9.362	6.83	243.7	0.0	400.5
40.00		1.00		32.579	35.84	537.18	0.730	0.000	1.00	4.651	3.40	121.7	0.0	199.0
	t - Section 2	1.00		32.745	36.02		0.730	0.000	1.00	4.695	3.43	123.4	0.0	399.0
42.00		1.00		33.067	36.37	534.22	0.730	0.000	2.00	9.330	6.81	247.7	0.0	792.8
44.00		1.00		33.378	36.72		0.730	0.000	2.00	9.250	6.75	247.9	0.0	786.0
46.00		1.00		33.679	37.05	529.75	0.730	0.000	2.00	9.170	6.69	248.0	0.0	779.1
	p - Section 1	1.00		33.969	37.37	534.83	0.730	0.000	2.00		6.64	248.0	0.0	388.8
50.00		1.00		34.251	37.68		0.730	0.000	2.00	9.011	6.58	247.8	0.0	385.4
52.00		1.00		34.524	37.98		0.730	0.000	2.00		6.52	247.6	0.0	382.0
54.00		1.00		34.789	38.27	526.95	0.730	0.000	2.00		6.46	247.3	0.0	378.5
56.00		1.00		35.047			0.730	0.000	2.00		6.40	246.9	0.0	375.1
58.00		1.00			38.83		0.730	0.000	2.00		6.35	246.4	0.0	371.7
60.00		1.00	1.14	35.543	39.10		0.730	0.000	2.00		6.29	245.8	0.0	368.3
62.00		1.00		35.781	39.36		0.730	0.000	2.00		6.23	245.2	0.0	364.8
64.00		1.00		36.014				0.000	2.00		6.17	244.5	0.0	361.4
66.00		1.00			39.87		0.730	0.000	2.00		6.11		0.0	358.0
68.00		1.00		36.241				0.000	2.00		6.05		0.0	354.5
70.00		1.00		36.463 36.680			0.730	0.000	2.00		6.00		0.0	351.1
72.00		1.00					0.730	0.000			5.94		0.0	347.7
74.00		1.00		36.892		494.96	0.730	0.000	2.00		5.88		0.0	344.2
76.00		1.00		37.100			0.730		4				0.0	340.8
78.00		1.00		37.303		491.30	0.730	0.000						337.4
80.00		1.00		37.502		407.74	0.730							167.4
	p - Section 2	1.00		37.601		400.9U	0.730	0.000						139.0
82.00		1.00		37.698				0.000						275.8
84.00	1.11	1.00		37,890			0.730							136.8
	ot - Section 4	1.00		37.984							2.83			274.1
86.00		1.00	1.23	38.078					LLC All righ					

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Structure: CT01501-S-SBA

Site Name: Morris Height:

195.00 (ft)

Base Elev: 0.000 (ft)

Code: Exposure: TIA-222-H

С

Crest Height: 0.00

Site Class:

D - Stiff Soil



Dase Liev. 0.000 (')			31	ite Clas	\$: L	J - Stiff Si	NC				
Gh: 1.1		Topograph	y: 1	St	truct Cl	ass:	1			Page: 24	Tower I	Engineering Solution
88.00	1.00	1.23 38.262	42.09	472.67	7 0.730	0.000	2.00	7.682	5.61	236.0	0.0	543.9
90.00	1.00	1.24 38,444	42.29	468.78		0.000			5.55	234.7	0.0	538.2
91.00 Top - Section 3	1.00	1.24 38.533	42.39	466.82	0.730	0.000			2.75	116.7	0.0	267.0
92.00	1.00	1.24 38.622	42.48	471.51	0.730	0.000		3.752	2.74	116.3	0.0	133.7
94.00	1.00	1.25 38.798	42.68	467.55	0.730	0.000		7.443	5.43	231.9	0.0	265.3
96.00	1.00	1.25 38.970	42.87	463.54	0.730	0.000	2.00	7.364	5.38	230.4	0.0	262.4
98.00	1.00	1.26 39.139	43.05	459.49	0.730	0.000	2.00	7.284	5,32	228.9	0.0	259.6
100.00	1.00	1.27 39.306	43.24	455.41	0.730	0.000	2.00	7.204	5.26	227.4	0.0	256.7
102.00	1.00	1.27 39.470	43.42	451.28	0.730	0.000	2.00	7.125	5.20	225.8	0.0	253.8
104.00	1.00	1.28 39.632	43.60	447.12	0.730	0.000	2.00	7.045	5.14	224.2	0.0	251.0
106.00	1.00	1.28 39.791	43.77	442.92	0.730	0.000	2.00	6.965	5.08	222.6	0.0	248.1
108.00	1.00	1.29 39.948	43.94	438.69	0.730	0.000	2.00	6.886	5.03	220.9	0.0	245.3
110.00	1.00	1.29 40.103	44.11	434.42	0.730	0.000	2.00	6.806	4.97	219.2	0.0	242.4
112.00	1.00	1.30 40.255	44.28		0.730	0.000	2.00	6.726	4.91	217.4	0.0	239.5
114.00	1.00	1.30 40.406	44.45	425.78	0.730	0.000	2.00	6.646	4.85	215.6	0.0	236.7
116.00	1.00	1.31 40.554	44.61	421.42	0.730	0.000	2.00	6.567	4.79	213.8	0.0	233.8
118.00	1.00	1.31 40.700	44.77	417.02	0.730	0.000	2.00	6.487	4.74	212.0	0.0	231.0
120.00	1.00	1.32 40.844	44.93	412.60		0.000	2.00	6.407	4.68	210.1	0.0	228.1
122.00	1.00	1.32 40.987	45.09	408.14	0.730	0.000	2.00	6.328	4.62	208.3	0.0	225.2
124.00	1.00	1.32 41.127	45.24	403.66	0.730	0.000	2.00	6.248	4.56	206.3	0.0	222.4
126.00	1.00	1.33 41.266	45.39	399.15	0.730	0.000	2.00	6.168	4.50	204.4	0.0	219.5
128.00	1.00	1.33 41.403	45.54	394.62	0.730	0.000	2.00	6.089	4.44	202.4	0.0	216.7
130.00 Bot - Section 5	1.00	1.34 41.538	45.69	390.05	0.730	0.000	2.00	6.009	4.39	200.4	0.0	213.8
132.00	1.00	1.34 41.672	45.84	385.47	0.730	0.000	2.00	6.014	4.39	201.2	0.0	382.4
134.00	1.00	1.35 41.804	45.98	380.85	0.730	0.000	2.00	5.934	4.33	199.2	0.0	377.3
135.00 Top - Section 4 -	1.00	1.35 41.870	46.06	378.54	0.730	0.000	1.00	2.937	2.14	98.8	0.0	186.7
136.00	1.00	1.35 41.935	46.13	381.77	0.730	0.000	1.00	2.917	2.13	98.2	0.0	83.2
138.00	1.00	1.35 42.064	46.27	377.12	0.730	0.000	2.00	5.775	4.22	195.1	0.0	164.6
140.00	1.00	1.36 42.191	46.41	372.44	0.730	0.000	2.00	5.695	4.16	193.0	0.0	162.3
142.00	1.00	1.36 42.318	46.55	367.75	0.730	0.000	2.00	5.616	4.10	190.8	0.0	160.0
144.00	1.00	1.37 42.442	46.69	363.02	0.730	0.000	2.00	5.536	4.04	188.7	0.0	157.8
145.00 Appurtenance(s)	1.00	1.37 42.504	46.75	360.65	0.730	0.000	1.00	2.738	2.00	93.5	0.0	78.0
146.00	1.00	1.37 42.566	46.82	358.28	0.730	0.000	1.00	2.718	1.98	92.9	0.0	77.4
148.00	1.00	1.37 42.688	46.96	353.52	0.730	0.000	2.00	5.376	3.92	184.3	0.0	153.2
150.00	1.00	1.38 42.809	47.09	348.73	0.730	0.000	2.00	5.297	3.87	182.1	0.0	150.9
152.00	1.00	1.38 42.928	47.22	343.92	0.730	0.000	2.00	5.217	3.81	179.8	0.0	148.6
154.00	1.00	1.39 43.047	47.35	339.10	0.730	0.000	2.00	5.137	3.75	177.6	0.0	146.3
155.00 Appurtenance(s)	1.00	1.39 43.105	47.42	336.67	0.730	0.000	1.00	2.539	1.85	87.9	0.0	72.3
156.00	1.00	1.39 43.164	47.48	334.25	0.730	0.000	1.00	2.519	1.84	87.3	0.0	71.7
158.00	1.00	1.39 43.280	47.61	329.38	0.730	0.000	2.00	4.978	3.63	173.0	0.0	141.7
160.00	1.00	1.40 43.394	47.73	324.50	0.730	0.000	2.00	4.898	3.58	170.7	0.0	139.5
162.00	1.00	1.40 43.508	47.86	319.59	0.730	0.000	2.00	4.819	3.52	168.4	0.0	137.2
164.00	1.00	1.40 43.621	47.98	314.67	0.730	0.000	2.00	4.739	3.46	166.0	0.0	134.9
165.00 Appurtenance(s)	1.00	1.41 43.676	48.04	312.20	0.730	0.000	1.00	2.340	1.71	82.1	0.0	66.6
166.00	1.00	1.41 43.732	48.11	309.73	0.730	0.000	1.00	2.320	1.69	81.5	0.0	66.0
168.00	1.00	1.41 43.842	48.23	304.77	0.730	0.000	2.00	4.580	3.34	161.2	0.0	130.3
170.00	1.00	1.42 43.952	48.35	299.79	0.730	0.000	2.00	4.500	3.28	158.8	0.0	128.0
172.00	1.00	1.42 44.060	48.47	294.80	0.730	0.000	2.00	4.420	3.23	156.4	0.0	125.7
174.00	1.00	1.42 44.168	48.58	289.79	0.730	0.000	2.00	4.341	3.17	153.9	0.0	123.4
175.00 Appurtenance(s)	1.00	1.42 44.221	48.64		0.730	0.000	1.00	2.140	1.56	76.0	0.0	60.9
176.00	1.00	1.43 44.274	48.70		0.730	0.000	1.00	2.120	1.55	75.4	0.0	60.3
178.00	1.00	1.43 44.379	48.82	279.72		0.000	2.00	4.181	3.05	149.0	0.0	118.9
180.00 Top - Section 5	1.00	1.43 44.484	48.93	274.66		0.000	2.00	4.102	2.99	146.5	0.0	116.6
182.00	1.00	1.44 44.587	49.05		0.730	0.000	2.00	4.062	2.97	145.4	0.0	129.6
184.00	1.00	1.44 44.690	49.16	275.30		0.000	2.00	4.062	2.97	145.8	0.0	129.6
186.00	1.00	1.44 44.792	49.27	275.61		0.000	2.00	4.062	2.97	146.1	0.0	129.6
188.00	1.00	1.45 44.893	49.38	275.92		0.000	2.00	4.062	2.97	146.4	0.0	
				2,0.02	50	0.000	2.00	7.002	2.31	140.4	U.U	129.6

CT01501-S-SBA Structure:

Site Name: Morris 195.00 (ft)

Height:

Base Elev: 0.000 (ft)

TIA-222-H Code:

Exposure: С

Crest Height: 0.00

D - Stiff Soil Site Class:

7/13/2023

Gh:	1.1		Topography	: 1	Str	uct Cl	ass:				Page: 25	10wel c	Cugineering Dorano
		1.00	1.45 44.993	49.49	276.23	0.730	0.000	2.00	4.062	2.97	146.7	0.0	129.6
190.00		1.00	1.45 45.092	49.60	276.53	0.730	0.000	2.00	4.062	2.97	147.1	0.0	129.6
192.00		1.00 1.00	1.46 45.191	49.71		0.730	0.000	2.00	4.062	2.97	147.4	0.0	129.6
194.00		1.00	1.46 45.240	49.76	276.99	0.730	0.000	1.00	2.031	1.48	73.8	0.0	64.8
195.00		1.00	1.40 40.240	,5.10			Totals:	195.00			20,536.9		29,550.2

Discrete Appurtenance Forces

Structure: CT01501-S-SBA

Site Name: Morris Height:

195.00 (ft) Base Elev: 0.000 (ft)

Gh: 1.1 Code:

Topography: 1

TIA-222-H

Exposure: С

Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: ||

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7/13/2023



Load Case: 0.9D + 1.0W 115 mph Wind

Dead Load Factor 0.90 Wind Load Factor 1.00

Iterations

31

No.	Elev (ft)	Description	Qty	qz (n.e.0	qzGh	Orient Factor		Total CaAa	Dead Load	Horiz Ecc	Vert Ecc	Wind FX	Mom Y	Mom Z
1		MT6407-77A		(psf)	(psf)	x Ka	Ka	(sf)	(lb)	(ft)	(ft)	(lb)	(lb-ft)	(lb-ft)
2		Low Profile Platform	3 1	44.221	48.643	0.52	0.75	7.39	214.38	0.000	0.000	359.31	0.00	0.00
3		Commscope	3	44.221	48.643	1.00	1.00	22.00	1350.00	0.000	0.000	1070.14	0.00	0.00
4		HRK14	3 1	44.221	48.643	1.00	1.00	0.00	68.45	0.000	0.000	0.00	0.00	0.00
5		NHH-85B-R2B	6	44.221	48.643	1.00	1.00	8.13	453.60	0.000	0.000	395.47	0.00	0.00
6		BSF0020F3V1-1	2	44.221	48.643	0.64	0.75	31.25	235.98	0.000	0.000	1520.10	0.00	0.00
7		B5/B13 RRH-BR04C	3	44.221	48.643	1.00	1.00	1.52	32.40	0.000	0.000	73.94	0.00	0.00
8		B2/B66A RRH-BR049	3	44.221	48.643	0.50	0.75	2.82	189.81	0.000	0.000	137.13	0.00	0.00
9		DB-C1-12C-24AB-07	1	44.221	48.643	0.50	0.75	2.82	227.88	0.000	0.000	137.13	0.00	0.00
10		TD-850B-LTE78-43	3	44.221	48.643	1.00	1.00	4.06	28.80	0.000	0.000	197.49	0.00	0.00
11		AM-X-CD-16-65-00T-RET	1	44.221		0.50	0.75	3.24	89.10	0.000	0.000	157.66	0.00	0.00
12		LGP2140X TMA			48.044	0.72	0.80	5.77	43.65	0.000	0.000	277.43	0.00	0.00
13		RRUS-11	12 6	43.676		0.40	0.80	6.24	205.20	0.000	0.000	299.80	0.00	0.00
14		800 10764	2		48.044	0.40	0.80	6.05	275.40	0.000	0.000	290.57	0.00	0.00
15		ABT-DF-DMADBH	1		48.044	0.72	0.80	8.47	73.44	0.000	0.000	406.80	0.00	0.00
16		DC6-48-60-18-8F	•	43.676		1.00	1.00	0.05	0.99	0.000	0.000	2.40	0.00	0.00
17		Low Profile Platform	1	43.676		1.00	1.00	0.92	28.62	0.000	0.000	44.20	0.00	0.00
18		7770.00	1	43.676		1.00	1.00	22.00	1350.00	0.000	0.000	1056.97	0.00	0.00
19			6	43.676		0.58	0.80	19.27	189.00	0.000	0.000	925.91	0.00	0.00
20		Commscope VV-65A-R1 782 11056	3	43.105		0.55	0.75	9.75	64.29	0.000	0.000	462.32	0.00	0.00
21		S20057A1	3	43.105		0.65	0.75	0.55	14.31	0.000	0.000	25.99	0.00	0.00
22			3	43.105		0.55	0.75	1.35	29.70	0.000	0.000	63.86	0.00	0.00
23		KRY 112 144/1	3	43.105		0.52	0.75	0.65	29.70	0.000	0.000	30.62	0.00	0.00
23		Low Profile Platform	1	43.105		1.00	1.00	22.00	1350.00	0.000	0.000	1043.15	0.00	0.00
24 25		HRK12 (Handrail Kit)	1	43.105		1.00	1.00	7.75	235.55	0.000	0.000	367.47	0.00	0.00
		Ericsson 4460 B25 + B66	3	43.105		0.38	0.75	2.41	280.80	0.000	0.000	114.15	0.00	0.00
26 27		Ericsson 4480 B71 + B85	3	43.105		0.38	0.75	2.72	251.10	0.000	0.000	129.09	0.00	0.00
		PRK-1245 (kicker kit)	1	43.105		1.00	1.00	9.50	418.42	0.000	0.000	450.45	0.00	0.00
28		Ericsson AIR6449 B41	3	43.105		0.53	0.75	9.03	278.10	0.000	0.000	427.97	0.00	0.00
29	155.00	· · ·	3	43.105		0.52	0.75	31.88	345.60	0.000	0.000	1511.52	0.00	0.00
30		MC-PK8-DSH	1		46.755	1.00	1.00	37.59	1554.30	0.000	0.000	1757.51	0.00	0.00
31		RDIDC-9181-OF-48	1		46.755	0.75	0.75	1.51	19.71	0.000	0.000	70.48	0.00	0.00
32		TA08025-B604	3		46.755	0.38	0.75	2.21	172.53	0.000	0.000	103.09	0.00	0.00
33		TA08025-B605	3	42.504		0.38	0.75	2.21	202.50	0.000	0.000	103.09	0.00	0.00
34	145.00	MX08FRO665-21	3	42.504	46.755	0.55	0.75	20.80	174.15	0.000	0.000	972.31	0.00	0.00
							Totale		10 477 46			4 005 54		

Totals:

10,477.45

14,985.51

CT01501-S-SBA Structure:

Morris

Site Name: 195.00 (ft)

0.000 (ft) Base Elev:

Gh:

Height:

1.1

Code:

TIA-222-H

C

Exposure:

Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: ||

7/13/2023

((H)) Tower Engineering Solutions

Iterations

31

Page: 27

Load Case: 0.9D + 1.0W 115 mph Wind

Dead Load Factor

0.90

Topography: 1

Wind Load Factor

1.00

Axial Torsion Moment Lateral ΜZ MY FX (-) FY (-) Elev (lb-ft) (lb) (lb-ft) (ft) Description (lb) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 554.09 230.55 2.00 0.00 0.00 550.66 228.86 4.00 0.00 547.23 0.00 227.17 6.00 0.00 543.80 0.00 225.48 8.00 0.00 0.00 540.37 223.79 10.00 0.00 0.00 536.93 222.10 12.00 0.00 0.00 220.41 533.50 14.00 0.00 0.00 530.07 221.43 16.00 0.00 0.00 526.64 225.23 18.00 0.00 523.20 0.00 228.49 20.00 0.00 519.77 0.00 231.29 22.00 0.00 0.00 516.34 233.71 24.00 0.00 0.00 512.91 235.78 26.00 0.00 0.00 509.47 237.57 28.00 0.00 0.00 239.09 506.04 30.00 0.00 0.00 240.38 502.61 32.00 499.18 0.00 0.00 241.47 34.00 0.00 0.00 495.74 242.36 36.00 0.00 492.31 0.00 243.09 38.00 0.00 0.00 488.88 243.65 40.00 0.00 243.15 0.00 121.68 41.00 0.00 0.00 123.44 443.15 42.00 0.00 0.00 247.73 881.16 44.00 874.29 0.00 0.00 247.92 46.00 0.00 0.00 867.43 248.00 48.00 0.00 0.00 477.19 247.97 50.00 0.00 0.00 473.75 247.83 52.00 0.00 470.32 0.00 247.60 54.00 0.00 247.27 466.89 0.00 56.00 0.00 0.00 246.87 463.46 58.00 0.00 0.00 460.02 246.38 60.00 0.00 0.00 456.59 245.81 62.00 0.00 0.00 453.16 245.17 64.00 0.00 0.00 449.73 244.46 66.00 0.00 0.00 446.29 243.68 68.00 0.00 442.86 0.00 242.84 70.00 0.00 241.93 439.43 0.00 72.00 0.00 436.00 0.00 240.97 74.00 0.00 0.00 432.56 239.96 76.00 0.00 0.00 429.13 238.89 78.00 0.00 0.00 237.76 425.70 80.00 0.00 0.00 211.56 118.29 81.00 183.14 0.00 0.00 117.99 82.00 0.00

0.00

0.00

0.00

0.00

0.00

364.13

180.99

318.29

235.37

117.07

118.36

84.00

85.00

86.00

Structure: CT01501-S-SBA

Site Name: Morris Height: 195.00 (ft)

Base Elev: 0.000 (ft)

Code: TIA-222-H Exposure: C

Crest Height: 0.00

Site Class: D - Stiff Soil

- Stiff Soil

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7/13/2023

Dage	Liev. 0.000 (it)			Site	Class.
Gh:	1.1	Торо	graphy:	1 Struc	ct Class: II
88.00		236.04	632.28	0.00	0.00
90.00		234.70	626.56	0.00	0.00
91.00		116.70	311.13	0.00	0.00
92.00		116.35	177.89	0.00	0.00
94.00		231.89	353.63	0.00	0.00
96.00		230.43	350.77	0.00	0.00
98.00		228.93	347.91	0.00	0.00
100.00		227.39	345.05	0.00	0.00
102.00		225.81	342.19	0.00	0.00
104.00		224.20	339.33	0.00	0.00
106.00		222.55	336.47	0.00	0.00
108.00		220.88	333.60	0.00	0.00
110.00		219.17	330.74	0.00	0.00
112.00		217.42	327.88	0.00	0.00
114.00		215.65	325.02	0.00	0.00
116.00		213.84	322.16	0.00	0.00
118:00		212.01	319.30	0.00	0.00
120.00		210.15	316.44	0.00	0.00
122.00		208.26	313.58	0.00	0.00
124.00		206.34	310.72	0.00	0.00
126.00		204.40	307.86	0.00	0.00
128.00		202.43	305.00	0.00	0.00
130.00		200.43	302.14	0.00	0.00
132.00		201.24	470.77	0.00	0.00
134.00		199.21	465.62	0.00	0.00
135.00		98.75	230.88	0.00	0.00
136.00		98.24	127.34	0.00	0.00
138.00		195.06	252.96	0.00	0.00
140.00		192.95	250.67	0.00	0.00
142.00		190.82	248.38	0.00	0.00
144.00		188.67	246.10	0.00	0.00
145.00	(11) attachments	3099.94	2245.38	0.00	0.00
146.00		92.91	119.83	0.00	0.00
148.00		184.30	237.94	0.00	0.00
150.00		182.08	235.65	0.00	0.00
152.00		179.84	233.36	0.00	0.00
154.00		177.58	231.07	0.00	0.00
155.00	(27) attachments	4714.47	3412.24	0.00	0.00
156.00		87.31	99.92	0.00	0.00
158.00		173.01	198.13	0.00	0.00
160.00		170.69	195.84	0.00	0.00
162.00		168.35	193.55	0.00	0.00
164.00		165.99	191.26	0.00	0.00
165.00	(30) attachments	3386.12	2261.07	0.00	0.00
166.00		81.46	80.73	0.00	0.00
168.00		161.23 🝜	159.74	0.00	0.00
170.00		158.82	157.45	0.00	0.00
172.00		156.39	155.16	0.00	0.00
174.00	W eg	153.95	152.87	0.00	0.00
175.00	(26) attachments	4124.37	2965.97	0.00	0.00
176.00		75.39	63.72	0.00	0.00
178.00		149.00	125.73	0.00	0.00
180.00		146.51	123.44	0.00	0.00
182.00		145.42	136.44	0.00	0.00
184.00		145.76	136.44	0.00	0.00
186.00		146.09	136.44	0.00	0.00
188.00		146.42	136.44	0.00	0.00

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CT01501-S-SBA Structure:

Code:

TIA-222-H

7/13/2023

Site Name: Morris

Exposure:

С

Height:

195.00 (ft)

Base Elev: 0.000 (ft)

Crest Height: 0.00

((畑))

1.1 Gh:

Topography: 1

Site Class:

D - Stiff Soil

Page: 29

Struct Class: II 0.00 136.44 0.00 146.75 190.00 0.00 0.00 147.07 136.44 192.00 0.00 147.39 136.44 0.00 194.00 0.00 0.00 73.78 68.22 195.00 0.00 0.00 35,522.42 47,353.84 Totals:

Linear Appurtenance Segment Forces (Factored)

Exposure:

Structure: CT01501-S-SBA

Site Name: Morris Height: 195.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

Code:

TIA-222-H

С

Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: II

7/13/2023

Page: 30



Load Case: 0.9D + 1.0W 115 mph Wind

Dead Load Factor

0.90

Topography: 1

Wind Load Factor 1.00



Iterations

ons 31

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (Ib)
2.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.027	0.000	26.398	0.00	3.58
4.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.027	0.000	26.398	0.00	3.58
6.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.027	0.000	26.398	0.00	3.58
8.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.027	0.000	26.398	0.00	3.58
10.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	26.398	0.00	3.58
12.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	26.398	0.00	3.58
14.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	26.398	0.00	3.58
16.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	26.724	0.00	3.58
18.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	27.395	0.00	3.58
20.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	28.010	0.00	3.58
22.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	28.577	0.00	3.58
24.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	29.106	0.00	3.58
26.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	29.600	0.00	3.58
28.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	30.066	0.00	3.58
30.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	30.506	0.00	3.58
32.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	30.923	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	31.320	0.00	3.58
36.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	31.699	0.00	3.58
38.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	32.062	0.00	3.58
40.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	32.410	0.00	3.58
41.00	1. 7 5" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.031	0.000	32.579	0.00	1.79
42.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.031	0.000	32.745	0.00	1.79
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	33.067	0.00	3.58
46.00	1. 75 " Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	33.378	0.00	3.58
48.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	33.679	0.00	3.58
50.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	33.969	0.00	3.58
52.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	34.251	0.00	3.58
	1. 75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	34.524	0.00	3.58
56.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	34.789	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	35.047	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	35.298	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	35.543	0.00	3.58
	1. 75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	35.781	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	36.014	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	36.241	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	36.463	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	36.680	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	36.892	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	37.100	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	37.303	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	37.502	0.00	3.58
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.037	0.000	37.601	0.00	1.79
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.037	0.000	37.698	0.00	1.79
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	37.890	0.00	3.58
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.038	0.000	37.984	0.00	1.79
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.038	0.000	38.078	0.00	1.79
98.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	38.262	0.00	3.58

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Linear Appurtenance Segment Forces (Factored)

CT01501-S-SBA Structure:

TIA-222-H Code:

7/13/2023

Site Name: Morris

С Exposure:

Height:

195.00 (ft)

Crest Height: 0.00

((州))

Base Elev: 0.000 (ft) 1.1 Gh:

Struct Class: ||

D - Stiff Soil Site Class:

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Load Case: 0.9D + 1.0W 115 mph Wind

Dead Load Factor

0.90

Topography: 1

1.00 Wind Load Factor

Iterations

31

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (Ib)
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	38.444	0.00	3.58
	1.75" Hybrid	Yes	1.00	0.000	1. 7 5	0.15	0.00	0.039	0.000	38.533	0.00	1.79
92.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.039	0.000	38.622	0.00	1.79
94.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	38.798	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	38.970	0.00	3.58
96.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	39.139	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	39.306	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	39.470	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	39.632	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.042	0.000	39.791	0.00	3.58
	•	Yes	2.00	0.000	1.75	0.29	0.00	0.042	0.000	39.948	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	40.103	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	40.255	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	40.406	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	40.554	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.045	0.000	40.700	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	40.844	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	40.987	0.00	3.58
122.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	41.127	0.00	3.58
124.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	41.266	0.00	3.58
126.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.048	0.000	41.403	0.00	3.58
128.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	41.538	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	41.672	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.050	0.000	41.804	0.00	3.58
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.050	0.000	41.870	0.00	1.79
	1.75" Hybrid		1.00	0.000	1.75	0.15	0.00	0.050	0.000	41.935	0.00	1.79
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.051	0.000	42.064	0.00	3.58
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.051	0.000	42.191	0.00	3.58
140.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.052	0.000	42.318	0.00	3.58
142.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.053	0.000	42.442	0.00	3.58
144.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.053	0.000	42.504	0.00	1.79
145.00	1.75" Hybrid	Yes	1.00	0.000	1.10	5.10				tals:	0.0	259.8

Structure: CT01501-S-SBA

Site Name: Morris Height: 195.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

Code:

TIA-222-H

Exposure: C

Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

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Iterations

Load Case: 0.9D + 1.0W 115 mph Wind

Dead Load Factor 0.90 Wind Load Factor 1.00

Topography: 1



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kins)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kins)	phi Tn	phi Mn	Total Deflect	Sway	Rotation Twist	Stress
0.00	-47.33	-35.55	0.00	-4439.7	0.00	4439.71	4628.91	(kips) 1339.45	(ft-kips) 7126.38	(ft-kips) 6119.66	(in) 0.00	(deg)	(deg)	Ratio
2.00	-46.74	-35.37	0.00	-4368.6	0.00	4368.61	4612.68	1329.62	7022.11	6053.16	0.00	0.000 -0.063	0.000	0.736 0.733
4.00	-46.15	-35.19	0.00	-4297.8	0.00	4297.88	4596.18	1319.78	6918.62	5986.64	0.05	-0.003	0.000	0.733
6.00	-45.56	-35.01	0.00	-4227.5	0.00	4227.50	4579.43	1309.95	6815.89	5920.10	0.03	-0.127	0.000	0.725
8.00	-44.98	-34.84	0.00	-4157.4	0.00	4157.47	4562.40	1300.11	6713.93	5853.55	0.12	-0.151	0.000	0.723
10.00	-44.40	-34.66	0.00	-4087.8	0.00	4087.81	4545.12	1290.28	6612.74	5787.00	0.22	-0.320	0.000	0.721
12.00	-43.83	-34.48	0.00	-4018.4	0.00	4018.49	4527.57	1280.44	6512.31	5720.46	0.49	-0.385	0.000	0.713
14.00	-43.26	-34.31	0.00	-3949.5	0.00	3949.52	4509.77	1270.61	6412.66	5653.92	0.66	-0.450	0.000	0.709
16.00	-42.69	-34.13	0.00	-3880.9	0.00	3880.91	4491.69	1260.77	6313.77	5587.41	0.86	-0.516	0.000	0.705
18.00	-42.13	-33.95	0.00	-3812.6	0.00	3812.64	4473.36	1250.94	6215.65	5520.93	1.10	-0.582	0.000	0.701
20.00	-41.57	-33.77	0.00	-3744.7	0.00	3744.74	4454.76	1241.10	6118.30	5454.49	1.35	-0.649	0.000	0.697
22.00	-41.01	-33.58	0.00	-3677.2	0.00	3677.21	4435.90	1231.27	6021.72	5388.08	1.64	-0.716	0.000	0.692
24.00	-40.46	-33.38	0.00	-3610.0	0.00	3610.06	4416.78	1221.43	5925.90	5321.73	1.96	-0.783	0.000	0.688
26.00	-39.91	-33.19	0.00	-3543.3	0.00	3543.30	4397.40	1211.60	5830.86	5255,44	2.30	-0.851	0.000	0.684
28.00	-39.36	-32.99	0.00	-3476.9	0.00	3476.93	4377.75	1201.76	5736.58	5189.22	2.67	-0.919	0.000	0.680
30.00	-38.82	-32.79	0.00	-3410.9	0.00	3410.95	4357.84	1191.93	5643.07	5123.07	3.07	-0.987	0.000	0.675
32.00	-38.29	-32.58	0.00	-3345.3	0.00	3345.37	4337.67	1182.09	5550.33	5057.01	3.50	-1.056	0.000	0.671
34.00	-37.75	-32.38	0.00	-3280.2	0.00	3280.21	4317.23	1172.26	5458.36	4991.03	3.96	-1.125	0.000	0.667
36.00	-37.22	-32.17	0.00	-3215.4	0.00	3215.45	4296.53	1162.42	5367.16	4925.16	4.44	-1.195	0.000	0.662
38.00	-36.70	-31.96	0.00	-3151.1	0.00	3151.11	4275.57	1152.59	5276.73	4859.38	4.96	-1.265	0.000	0.658
40.00	-36.18	-31.74	0.00	-3087.1	0.00	3087.18	4254.35	1142.76	5187.06	4793.73	5.50	-1.335	0.000	0.653
41.00	-35.92	-31.64	0.00	-3055.4	0.00	3055.44	4243.64	1137.84	5142.51	4760.94	5.79	-1.370	0.000	0.651
42.00	-35.45	-31.54	0.00	-3023.8	0.00	3023.80	4232.86	1132.92	5098.16	4728.19	6.08	-1.406	0.000	0.649
44.00	-34.54	-31.31	0.00	-2960.7	0.00	2960.73	4211.11	1123.09	5010.03	4662.78	6.68	-1.477	0.000	0.644
46.00	-33.63	-31.08	0.00	-2898.1	0.00	2898.11	4189.10	1113.25	4922.67	4597.51	7.32	-1.548	0.000	0.639
48.00	-32.74	-30.85	0.00	-2835.9	0.00	2835.96	4202.19	1119.08	4974.38	4636.19	7.98	-1.620	0.000	0.620
50.00	-32.23	-30.63	0.00	-2774.2	0.00	2774.26	4180.07	1109.25	4887.33	4570.98	8.68	-1.692	0.000	0.615
52.00	-31.73	-30.40	0.00	-2713.0	0.00	2713.00	4157.69	1099.41	4801.05	4505.91	9.40	-1.761	0.000	0.610
54.00	-31.23	-30.18	0.00	-2652.2	0.00	2652.20	4135.04	1089.58	4715.54	4441.00	10.15	-1.831	0.000	0.606
56.00	-30.73	-29.96	0.00	-2591.8	0.00	2591.84	4112.14	1079.74	4630.79	4376.25	10.94	-1.901	0.000	0.600
58.00	-30.24	-29.73	0.00	-2531.9	0.00	2531.93	4088.97	1069.91	4546.82	4311.67	11.75	-1.971	0.000	0.595
60.00	-29.75	-29.50	0.00	-2472.4	0.00	2472.47	4065.54	1060.07	4463.61	4247.27	12.59	-2.041	0.000	0.590
62.00	-29.27	-29.28	0.00	-2413.4	0.00	2413.46	4041.84	1050.24	4381.17	4183.06	13.46	-2.112	0.000	0.585
64.00	-28.79	-29.05	0.00	-2354.9	0.00	2354.91	4017.89	1040.40	4299.50	4119.03	14.36	-2.183	0.000	0.580
66.00	-28.31	-28.83	0.00	-2296.8	0.00	2296.81	3993.67	1030.57	4218.60	4055.21	15.29	-2.254	0.000	0.574
68.00	-27.84	-28.60	0.00	-2239.1	0.00	2239.16	3969.18	1020.73	4138.47	3991.60	16.25	-2.326	0.000	0.569
70.00	-27.37	-28.37	0.00	-2181.9	0.00	2181.96	3944.44	1010.90	4059.10	3928.21	17.24	-2.397	0.000	0.563
72.00	-26.91	-28.15	0.00	-2125.2	0.00	2125.22	3919.43	1001.06	3980.51	3865.04	18.26	-2.469	0.000	0.558
74.00	-26.45	-27.92	0.00	-2068.9	0.00	2068.93	3894.16	991.23	3902.68	3802.10	19.31	-2.541	0.000	0.552
76.00		-27.69	0.00	-2013.0	0.00	2013.09	3868.63	981.39	3825.62	3739.40	20.39	-2.614	0.000	0.546
78.00	-25.54			-1957.7	0.00	1957.70	3842.83	971.56	3749.33	3676.95	21.50	-2.686	0.000	0.540
80.00	-25.10			-1902.7	0.00	1902.77	3816.78	961.72	3673.81	3614.75	22.64	-2.759	0.000	0.534
81.00	-24.88			-1875.5	0.00	1875.54	3803.65	956.81	3636.33	3583.75	23.22	-2.795	0.000	0.531
81.00	-24.88			-1875.5	0.00	1875.54	2964.89		3038.55		23.22	-2.795	0.000	0.679
82.00	-24.67			-1848.4	0.00	1848.42	2956.04		3007.44		23.81	-2.832	0.000	0.675
84.00	-24.29			-1794.3	0.00	1794.38	2938.13		2945.70		25.02	-2.919	0.000	0.666
85.00	-24.09			-1767.5	0.00	1767.58	2929.08		2915.07		25.63	-2.963	0.000	0.662
86.00	-23.75	-26.58	0.00	-1740.9	0.00	1740.90	2919.97	777.94	2884.60	2687.40	26.26	-3.007	0.000	0.657

CT01501-S-SBA Structure:

Site Name: Morris

195.00 (ft)

Base Elev: 0.000 (ft)

Height:

TIA-222-H Code:

С

Exposure:

Crest Height: 0.00

D - Stiff Soil Site Class:

7/13/2023

Gh:	LIGA.	1.1	,	Top	ography:	1 8	Struct Clas	s: II			Pag	ge: 33	Tower Engineer	ing Solutions
	_				0.00	1687.74	2901.54	769.74	2824.14	2642.11	27.54	-3.094	0.000	0.648
88.00	-23.09	-26.35	0.00	-1687.7	0.00	1635.05	2882.85	761.55	2764.32	2596.94	28.85	-3.181	0.000	0.639
90.00	-22.45	-26.10	0.00	-1635.0 -1608.9	0.00	1608.95	2898.33	768.33	2813.78	2634.30	29.52	-3. <u>22</u> 5	0.000	0.620
91.00	-22.13	-25.99	0.00	-1582.9	0.00	1582.96	2889.00	764.23	2783.84	2611.72	30.20	-3.269	0.000	0.615
92.00	-21.93	-25.88 -25.66	0.00	-1531.1	0.00	1531.19	2870.13	756.03	2724.45	2566.64	31.59	-3.353	0.000	0.605
94.00	-21.55 -21.18	-25.66 -25.44	0.00	-1479.8	0.00	1479.87	2851.00	747.84	2665.70	2521.69	33.01	-3.436	0.000	0.595
96.00 98.00	-20.81	-25.22	0.00	-1428.9	0.00	1428.98	2831.61	739.64	2607.60	2476.90	34.47	-3.520	0.000	0.585
100.00	-20.44		0.00	-1378.5	0.00	1378.54	2811.95	731.45	2550.13	2432.25	35.96	-3.603	0.000	0.575 0.565
102.00	-20.08	-24.79	0.00	-1328.5	0.00	1328.53	2792.03	723.25	2493.30	2387.76	37.49	-3.685	0.000	0.554
104.00	-19.72		0.00	-1278.9	0.00	1278.95	2771.85	715.06	2437.12	2343.44	39.05	-3.768	0.000 0.000	0.543
106.00	-19.36		0.00	-1229.8	0.00	1229.81	2751.41	706.86	2381.57	2299.29	40.64	-3.850 -3.932	0.000	0.532
108.00	-19.01	-24.14	0.00	-1181.1	0.00	1181.11	2730.70	698.66	2326.66	2255.33 2211.55	42.27 43.94	-4.013	0.000	0.520
110.00	-18.66	-23.92	0.00	-1132.8	0.00	1132.84	2709.73	690.47	2272.40 2218.77	2167.98	45.63	-4.094	0.000	0.508
112.00	-18.32	-23.71	0.00	-1084.9	0.00	1084.99	2688.50	682.27 674.08	2165.79	2124.61	47.37	-4.174	0.000	0.496
114.00	-17.97	-23.49	0.00	-1037.5	0.00	1037.58	2667.01	665.88	2113.44	2081.45	49.13	-4.253	0.000	0.484
116.00	-17.64		0.00	-990.59	0.00	990.59	2645.25 2623.23	657.69	2061.74	2038.51	50.93	-4.332	0.000	0.471
118.00	-17.30		0.00	-944.03	0.00	944.03 897.89	2600.95	649.49	2010.67	1995.80	52.76	-4.409	0.000	0.458
120.00	-16.97		0.00	-897.89	0.00 0.00	852.17	2578.41	641.29	1960.25	1953.33	54.62	-4.486	0.000	0.444
122.00	-16.65		0.00	-852.17	0.00	806.87	2555.60	633.10	1910.47	1911.10	56.51	-4.561	0.000	0.430
124.00	-16.32		0.00	-806.87 -761.99	0.00	761.99	2532.53	624.90	1861.32	1869.12	58.44	-4.635	0.000	0.415
126.00	-16.00		0.00	-717.53	0.00	717.53	2509.20	616.71	1812.82	1827.41	60.39	-4.708	0.000	0.400
128.00	-15.69		0.00	-673.48	0.00	673.48	2485.60	608.51	1764.96	1785.96	62.38	-4.779		0.385
130.00	-15.38 -14.90		0.00	-629.84	0.00	629.84	2461.74	600.32	1717.74	1744.78	64.39	-4.848		0.368
132.00 134.00	-14.43		0.00	-586.65	0.00	586.65	2437.62	592.12	1671.15	1703.88	66.44	-4.915	_	0.352
135.00	-14.20		0.00	-565.28	0.00	565.28	1823.78	478.25	1362.76	1289.51	67.47	-4.948		0.448
136.00	-14.06		0.00	-544.01	0.00	544.01	1816.04	474.97	1344.14	1275.17	68.51	-4.981	0.000	0.436 0.412
138.00	-13.80		0.00	-501.68	0.00	501.68	1800.35	468.42	1307.29	1246.57	70.61	-5.056	_	0.412
140.00	-13.54		0.00	-459.75	0.00	459.75	1784.40	461.86	1270.94	1218.11	72.74	-5.127 -5.196		0.361
142.00	-13.29		0.00	-418.21	0.00	418.21	1768.19	455.30	1235.12	1189.78	74.90 77.09	-5.190		0.334
144.00	-13.04	-20.37	0.00	-377.06	0.00	377.06	1751.71	448.75	1199.80 1182.33	1161.59 1147.55	78.19	-5.291		0.319
145.00	-11.08	-17.09	0.00	-356.69	0.00	356.69	1743.38	445.47 442.19	1165.00	1133.55	79.31	-5.322		0.307
146.00	-10.96	-16.99	0.00	-339.61	0.00	339.61	1734.98 1717.98	435.63	1130.70	1105.67	81.54	-5.379		0.284
148.00	-10.72		0.00	-305.62	0.00	305.62	1717.90	429.08	1096.92	1077.96	83.81	-5.432		0.260
150.00	-10.49		0.00	-272.03	0.00	272.03 238.83	1683.19	422.52		1050.42	86.09	-5.482	0.000	0.235
152.00	-10.26		0.00	-238.83	0.00 0.00	206.01	1665.40	415.96	1030.90	1023.06	88.39	-5.527	0.000	0.209
154.00	-10.04		0.00	-206.01 -189.80	0.00	189.80	1656.41	412.69	1014.72	1009.45	89.55	-5.548	0.000	0.193
155.00	-7.10		0.00	-178.60	0.00	178.60	1647.35	409.41	998.66	995.89	90.72	-5.568		0.184
156.00	-7.00		0.00	-156.40	0.00	156.40	1629.04	402.85	966.93	968.91	93.05	-5.606		0.166
158.00	-6.81		0.00	-134.57	0.00	134.57	1610.46	396.29	935.71	942.14	95.41	-5.640		0.148
160.00	-6.63	-10.75		-113.10	0.00	113.10	1591.62	389.74	905.01	915.58	97.77	-5.670		0.128
162.00 164.00	-6.27		0.00	-92.01	0.00	92.01	1572.52	383.18	874.81	889.24	100.15	-5.697		0.108
165.00	-4.36		0.00	-81.64	0.00	81.64	1562.88	379.90		876.15	101.34	-5.709		0.096
166.00	-4.28		0.00	-74.87	0.00	74.87	1553.16	376.62		863.13	102.54	-5.720		0.090 0.076
168.00	-4.14		0.00	-61.50	0.00	61.50	1533.53	370.07		837.25	104.93	-5.739		0.070
170.00	-3.99		0.00	-48.48	0.00	48.48	1513.65	363.51	787.30	811.61	107.34	-5.756		0.003
172.00	-3.85		0.00	-35.81	0.00	35.81	1493.49	356.96		786.22	109.75	-5.769 -5.779		0.034
174.00	-3.72		0.00	-23.48	0.00	23.48	1473.08	350.40		761.10	112.16	-5.783		0.024
175.00	-1.18		0.00	-17.48	0.00	17.48	1462.77	347.12		748.63 736.23	113.37 114.58	-5.786		0.022
176.00	-1.13	-1.51	0.00	-15.89	0.00	15.89	1452.40	343.84		709.84	117.00	-5.791		0.019
178.00	-1.02		0.00	-12.86	0.00	12.86	1427.84	337.29 330.73		682.38	119.43	-5.796		0.016
180.00	-0.91		0.00	-10.15	0.00	10.15	1400.09 1571.64	371.25		763.99	119.43	-5.796	_	0.014
180.00			0.00	-10.15	0.00	10.15	1571.64	371.25		763.99	121.85	-5.800		0.011
182.00			0.00		0.00	7.76 5.68	1571.64	371.25		763.99	124.28	-5.802		0.008
184.00			0.00		0.00 0.00	3.92	1571.64	371.25		763.99	126.70	-5.804	0.000	0.005
186.00	-0.54	4 -0.72	0.00			by Tower En								

Structure: CT01501-S-SBA

Site Name: Morris Height:

195.00 (ft)

Base Elev: 0.000 (ft)

Code: TIA-222-H

Exposure: С

Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: II

7/13/2023

Gh:		1.1		Тор	ography:	1		Struct Cla	ss:			Pa	ge: 34	Tower Engineer	ing Solutions
188.00	-0.42	-0.56	0.00	-2.48	0.00		2.48	1571.64	371.25	730.60	763.99	129.13	-5.805	0.000	0.004
190.00	-0.30	-0.40	0.00	-1.36	0.00		1.36	1571.64	371.25	730.60	763.99	131.56	-5.806	0.000	0.002
192.00	-0.18	-0.24	0.00	-0.56	0.00		0.56	1571.64	371.25	730.60	763.99	133.99	-5.806	0.000	0.001
194.00	-0.06	-0.08	0.00	-0.08	0.00		80.0	1571.64	371.25	730.60	763.99	136.41	-5.807	0.000	0.000
195.00	0.00	-0.07	0.00	0.00	0.00		0.00	1571.64	371.25	730.60	763.99	137.63	-5.807	0.000	0.000

Structure: CT01501-S-SBA

Site Name: Morris Height: 195.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

Code: TIA-222-H

Exposure: C **Crest Height:** 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/13/2023

Page: 35

Tower Engineering Solution

31

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

Topography: 1

Dead Load Factor 1.20 Wind Load Factor 1.00



Iterations

Tot

Elev	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (Ib)	Dead Load (Ib)
(ft)	Description	1,00	0.85	4.990	5.49	0.00	1.200	0.000	0.00	0.000	0.00	0.0		0.0
0.00		1.00	0.85	4.990	5.49	0.00	1.200	0.756		11.128	13.35	73.3		743.7
2.00		1.00	0.85	4.990	5.49	0.00	1.200	0.810	2.00	11.066	13.28	72.9	130.6	747.1
4.00		1.00	0.85	4.990	5.49	0.00	1.200	0.843	2.00	10.998	13.20	72.4	135.1	747.0
6.00		1.00	0.85	4.990	5.49	0.00	1.200	0.868	2.00	10.926	13.11	72.0	138.1	745.4
8.00		1.00	0.85	4.990	5.49	0.00	1.200	0.887	2.00	10.853	13.02	71.5		742.9
10.00		1.00	0.85	4.990	5.49	0.00	1.200	0.904	2.00	10.779	12.93	71.0		739.9
12.00		1.00	0.85	4.990	5.49	0.00	1.200	0.918	2.00	10.704	12.84	70.5	142.9	736.4
14.00		1.00	0.86	5.052	5.56	0.00	1.200	0.930	2.00	10.628	12.75	70.9	143.7	732.7
16.00			0.88	5.179	5.70	0.00	1.200	0.941	2.00	10.552	12.66	72.1	144.4	728.8
18.00		1.00	0.90	5.295	5.82	0.00	1.200	0.951	2.00	10.476	12.57	73.2	144.8	724.6
20.00		1.00	0.92	5.402	5.94	0.00	1.200	0.960	2.00	10.399	12.48	74.2	145.1	720.3
22.00		1.00	0.94	5.502	6.05	0.00	1.200	0.969	2.00	10.322	12.39	75.0	145.2	715.9
24.00		1.00	0.95	5.596	6.16	0.00	1.200	0.976	2.00	10.245	12.29	75.7	145.2	711.3
26.00		1.00	0.93	5.684	6.25		1.200	0.984		10.168	12.20	76.3	145.2	706.7
28.00		1.00	0.98	5.767	6.34	0.00	1.200	0.991	2.00	10.091	12.11	76.8	145.0	702.0
30.00		1.00	1.00	5.846	6.43	0.00	1.200	0.997	2.00	10.013	12.02	77.3	144.8	697.2
32.00		1.00	1.00	5.921	6.51	0.00	1.200	1.003	2.00	9.935	11.92	77.6	144.5	692.3
34.00		1.00	1.02	5.992	6.59		1.200	1.009	2.00	9.858	11.83	78.0	144.2	687.4
36.00		1.00	1.02	6.061	6.67		1.200	1.014	2.00	9.780	11.74	78.2	143.8	682.4
38.00	90	1.00		6.127	6.74		1.200	1.019	2.00	9.702	11.64	78.5	143.3	677.4
40.00		1.00	1.04	6.159	6.77		1.200	1.022	1.00	4.821	5.79	39.2	71.5	336.9
	- Section 2	1.00	1.05	6.190	6.81		1.200	1.024	1.00	4.865	5.84	39.8	72.4	604.4
42.00		1.00	1.05		6.88		1.200	1.029	2.00	9.673	11.61	79.8	144.2	1201.3
44.00		1.00	1.06	6.251	6.94		1.200	1.034	2.00	9.594	11.51		143.7	1191.6
46.00		1.00	1.07	6.310	7.00		1.200	1.038	2.00	9.516	11.42		143.1	1181.8
48.00 Top	- Section 1	1.00	1.08	6.366			1.200	1.042	2.00	9.438	11.33		142.4	660.9
50.00		1.00	1.09	6.421	7.06		1.200	1.047	2.00	9.360	11.23			655.6
52.00		1.00	1.10	6.475	7.12		1.200	1.050	2.00		11.14			650.4
54.00		1.00	1.11	6.526	7.18		1.200	1.054	2.00	9.203	11.04			645.1
56.00		1.00	1.12		7.23		1.200	1.058	2.00		10.95			639.8
58.00		1.00	1.13	6.625	7.29		1.200	1.062	2.00		10.86			634.4
60.00		1.00	1.14	6.673	7.34		1.200	1.065	2.00		10.76			629.0
62.00		1.00	1.14	6.719			1.200	1.068	2.00		10.67			623.7
64.00		1.00	1.15	6.764			1.200	1.072	2.00		10.57			618.2
66.00		1.00	1.16	6.808			1.200	1.072						612.8
68.00		1.00	1.17		7.54		1.200	1.078			10.38			607.4
70.00		1.00	1.17				1.200	1.076	2.00					601.9
72.00		1.00	1.18				1.200							596.4
74.00		1.00	1.19					1.084	2.00					590.9
76.00		1.00	1.19					1.087						585.4
78.00		1.00		7.052			1.200	1.090						579.9
80.00		1.00	1.21				1.200	1.093						288.0
	- Section 2	1.00		7.108			1.200	1.094						249.8
82.00		1.00	1.21				1.200	1.095						495.9
84.00		1.00	1.22				1.200	1.098		8.102				
	- Section 4	1.00		7.180			1.200	1.099						
86.00		1.00	1.23	7.198	7.92	0.00	1.200	1.101	1.00	4.054	4.07	30,0	, 07.7	.20.0

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Structure: CT01501-S-SBA

Site Name: Morris Height: 195.00 (ft)

Base Elev: 0.000 (ft)

Code: TIA-222-H

Exposure: С Crest Height: 0.00

Site Class:

D - Stiff Soil

7/13/2023 ((H))) ES

Dase Liev. 0.000	(11)				51	te Clas	is:	D - Stiff Si	oil				
Gh: 1.1		Topo	graphy	: 1	St	ruct Cl	ass:	li .			Page: 36	Tower	Engineering Solutions
88.00	1.00	1.23	7.233	7.96	0.00	1.200	1.103	2.00	8.050	9.66	76.9	127.9	853.1
90.00	1.00	1.24	7.267	7.99	0.00	1.200	1.106	2.00		9.57	76.5	126.9	844.5
91.00 Top - Section 3	1.00	1.24	7.284	8.01	0.00	1.200	1.107			4.75	38.0	63.2	419.1
92.00	1.00	1.24	7.301	8.03	0.00	1.200	1.108	1.00	3.936	4.72	37.9	62.9	241.2
94.00	1.00	1.25	7.334	8.07	0.00	1.200	1.110	2.00	7.813	9.38	75.6	124.8	478.5
96.00	1.00	1.25	7.367	8.10	0.00	1.200	1.113	2.00	7.735	9.28	75.2	123.8	473.7
98.00	1.00	1.26	7.399	8.14	0.00	1.200	1.115	2.00	7.656	9.19	74.8	122.7	468.8
100.00	1.00	1.27	7.430	8.17	0.00	1.200	1.117	2.00	7.577	9.09	74.3	121.6	463.9
102.00	1.00	1.27	7.461	8.21	0.00	1.200	1.119	2.00	7.498	9.00	73.8	120.6	459.0
104.00	1.00	1.28	7.492	8.24	0.00	1.200	1.122	2.00	7.419	8.90	73.4	119.5	454.1
106.00	1.00	1.28	7.522	8.27	0.00	1.200	1.124	2.00	7.340	8.81	72.9	118.4	449.2
108.00	1.00	1.29	7.552	8.31	0.00	1.200	1.126	2.00	7.261	8.71	72.4	117.3	444.3
110.00	1.00	1.29	7.581	8.34	0.00	1.200	1.128	2.00	7.182	8.62	71.9	116.2	439.4
112.00	1.00	1.30	7.610	8.37	0.00	1.200	1.130	2.00	7.103	8.52	71.3	115.1	434.5
114.00	1.00	1.30	7.638	8.40	0.00	1.200	1.132	2.00	7.024	8.43	70.8	113.9	429.5
116.00	1.00	1.31	7.666	8.43	0.00	1.200	1.134	2.00	6.945	8.33	70.3	112.8	424.6
118.00	1.00	1.31	7.694	8.46	0.00		1.136	2.00	6.866	8.24	69.7	111.7	419.6
120.00	1.00	1.32	7.721	8.49	0.00	1.200	1.138	2.00	6.787	8.14	69.2	110.5	414.6
122.00	1.00	1.32	7.748	8.52	0.00	1.200	1.140	2.00	6.708	8.05	68.6	109.3	409.7
124.00	1.00	1.32	7.775	8.55	0.00	1.200	1.142	2.00	6.629	7.95	68.0	108.2	404.7
126.00	1.00	1.33	7.801	8.58	0.00	1.200	1.143	2.00	6.549	7.86	67.4	107.0	399.7
128.00	1.00	1.33	7.827	8.61	0.00	1.200	1.145	2.00	6.470	7.76	66.8	105.8	394.7
130.00 Bot - Section 5	1.00	1.34	7.852	8.64	0.00	1.200	1.147	2.00	6.391	7.67	66.2	104.7	389.7
132.00	1.00	1.34	7.878	8.67	0.00	1.200	1.149	2.00	6.397	7.68	66.5	104.9	614.8
134.00	1.00	1.35	7.902	8.69	0.00	1.200	1.150	2.00	6.318	7.58	65.9	103.7	606.7
135.00 Top - Section 4	1.00	1.35	7.915	8.71	0.00	1.200	1.151	1.00	3.129	3.75	32.7	51.6	300.5
136.00	1.00	1.35	7.927	8.72	0.00	1.200	1.152	1.00	3.109	3.73	32.5	51.3	162.1
138.00	1.00	1.35	7.952	8.75	0.00	1.200	1.154	2.00	6.159	7.39	64.7	101.3	320.8
140.00	1.00	1.36	7.976	8.77	0.00	1.200	1.155	2.00	6.080	7.30	64.0	100.1	316.5
142.00	1.00	1.36	8.000	8.80	0.00	1.200	1.157	2.00	6.001	7.20	63.4	98.9	312.3
144.00	1.00	1.37	8.023	8.83	0.00	1.200	1.159	2.00	5.922	7.11	62.7	97.6	308.0
145.00 Appurtenance(s)	1.00	1.37	8.035	8.84	0.00	1.200	1.160	1.00	2.931	3.52	31.1	48.5	152.5
146.00 148.00	1.00	1.37	8.046	8.85	0.00	1.200	1.160	1.00	2.912	3.49	30.9	48.2	151.5
150.00	1.00	1.37	8.070	8.88	0.00	1.200	1.162	2.00	5.764	6.92	61.4	95.2	299.4
152.00	1.00	1.38	8.092	8.90	0.00	1.200	1.163	2.00	5.685	6.82	60.7	93.9	295.1
154.00	1.00	1.38	8.115	8.93	0.00	1.200	1.165	2.00	5.605	6.73	60.0	92.7	290.8
	1.00	1.39	8.137	8.95	0.00	1.200	1.167	2.00	5.526	6.63	59.4	91.4	286.5
155.00 Appurtenance(s) 156.00	1.00	1.39	8.148	8.96	0.00	1.200	1.167	1.00	2.733	3.28	29.4	45.4	141.8
158.00	1.00	1.39	8.159	8.98	0.00	1.200	1.168	1.00	2.714	3.26	29.2	45.1	140.7
160.00	1.00	1.39	8.181	9.00	0.00	1.200	1.170	2.00	5.368	6.44	58.0	88.9	277.9
162.00	1.00	1.40	8.203	9.02	0.00	1.200	1.171	2.00	5.289	6.35	57.3	87.7	273.6
164.00	1.00	1.40	8.225	9.05	0.00	1.200	1.172	2.00	5.210	6.25	56.6	86.4	269.3
165.00 Appurtenance(s)	1.00	1.40	8.246	9.07		1.200	1.174		5.130	6.16	55.8	85.1	264.9
166.00	1.00	1.41	8.256	9.08	0.00	1.200	1.175	1.00	2.535	3.04	27.6	42.2	131.0
168.00	1.00	1.41	8.267	9.09	0.00	1.200	1.175	1.00	2.516	3.02	27.5	41.9	129.9
170.00	1.00	1.41	8.288	9.12	0.00	1.200	1.177	2.00	4.972	5.97	54.4	82.5	256.3
172.00	1.00		8.308	9.14	0.00	1.200	1.178	2.00	4.893	5.87	53.7	81.3	251.9
174.00	1.00		8.329	9.16	0.00	1,200	1.180	2.00	4.813	5.78	52.9	80.0	247.6
175.00 Appurtenance(s)	1.00		8.349	9.18		1.200	1,181	2.00	4.734	5.68	52.2	78.7	243.2
176.00 Appurteriance(s)	1.00		8.359	9.20	0.00	1.200	1.182	1.00	2.337	2.80	25.8	39.0	120.2
178.00	1.00		8.369	9.21	0.00	1.200	1.182	1.00	2.318	2.78	25.6	38.7	119.1
180.00 Top - Section 5	1.00		8.389	9.23		1.200	1.184	2.00	4.576	5.49	50.7	76.1	234.5
182.00	1.00		8.409	9.25		1.200	1.185	2.00	4.497	5.40	49.9	74.7	230.2
184.00	1.00		8.429	9.27		1.200	1.186	2.00	4.457	5.35	49.6	74.8	247.6
186.00	1.00 1.00		8.448	9.29		1.200	1.187	2.00	4.458	5.35	49.7	74.9	247.7
188.00	1.00		8.467	9.31		1.200	1.189	2.00	4.458	5.35	49.8	75.0	247.8
100,00	1.00	1.45	8.486	9.34	0.00	1.200	1.190	2.00	4.458	5.35	49.9	75.1	247.8
		A			_								

CT01501-S-SBA Structure:

Code: Exposure: 7/13/2023

Site Name: Morris

TIA-222-H

Height:

195.00 (ft)

C

Base Elev: 0.000 (ft)

Crest Height: 0.00 Site Class:

D - Stiff Soil

νег	Engineering Solutions

Dage Lie						_						Page: 37	Tower	Engineering Soluti	ION
Gh:	1.1		Topog	raphy:	1	Str	uct Cl	ass:				Page. 37	<u> </u>		_
	_	4.00	1.45	8.505	9.36	0.00	1,200	1,191	2.00	4.459	5.35	50.1	75.2	247.9	
190.00		1.00		8.524	9.38	0.00	1.200	1.193	2.00	4.459	5.35	50.2	75.3	248.0	
192.00		1.00	1.45	8.543	9.40	0.00	1.200	1.194	2.00	4.460	5.35	50.3	75.3	248.1	
194.00		1.00	1.46	8.552	9.41	0.00	1.200	1.194	1.00	2.230	2.68	25.2	37.7	124.1	
195.00		1.00	1.40	0.552	5.41	0.00		Totals:	195.00			6,719.8		50,757.8	

Discrete Appurtenance Forces

Structure: CT01501-S-SBA

Site Name: Morris

Height:

195.00 (ft)

Base Elev: 0.000 (ft) Gh:

1.1

Topography: 1

Code:

TIA-222-H

Exposure: С

Crest Height: 0.00

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



7/13/2023

Iterations

31

No.	Elev (ft)	Description	Qty	qz (nef)	qzGh	Orient Factor	16.	Total CaAa	Dead Load	Horiz Ecc	Vert Ecc	Wind FX	Mom Y	Mom Z
1		MT6407-77A		(psf)	(psf)	x Ka	Ka	(sf)	(lb)	(ft)	(ft)	(lb)	(lb-ft)	(lb-ft)
2		Low Profile Platform	3 1	8.359	9.195	0.56	0.75	8.99	512.43	0.000	0.000	82.62	0.00	0.00
3		Commscope	3	8.359 8.359	9.195	1.00	1.00	33.96	2386.16	0.000	0.000	312.25	0.00	0.00
4		HRK14	1	8.359	9.195 9.195	1.00	1.00	0.00	123.75	0.000	0.000	0.00	0.00	0.00
5		NHH-85B-R2B	6	8.359		1.00	1.00	13.51	1513.74	0.000	0.000	124.22	0.00	0.00
6		BSF0020F3V1-1	2	8.359	9.195 9.195	0.64	0.75	34.66	1092.26	0.000	0.000	318.74	0.00	0.00
7		B5/B13 RRH-BR04C	3	8.359	9.195	1.00	1.00	2.24	57.07	0.000	0.000	20.57	0.00	0.00
8		B2/B66A RRH-BR049	3	8.359	9.195	0.50	0.75	3.39	382.57	0.000	0.000	31.14	0.00	0.00
9		DB-C1-12C-24AB-0Z	1	8.359	9.195	0.50	0.75	3.39	447.46	0.000	0.000	31.14	0.00	0.00
10		TD-850B-LTE78-43	3	8.359	9.195	1.00 0.50	1.00	4.62	86.93	0.000	0.000	42.45	0.00	0.00
11		AM-X-CD-16-65-00T-RET	1	8.256	9.082	0.50	0.75	4.31	196.92	0.000	0.000	39.63	0.00	0.00
12		LGP2140X TMA	12	8.256	9.082	0.72	0.80	7.13	120.92	0.000	0.000	64.74	0.00	0.00
13		RRUS-11	6	8.256	9.082	0.40	0.80 0.80	9.00	389.26	0.000	0.000	81.73	0.00	0.00
14		800 10764	2	8.256	9.082	0.40		7.07	563.06	0.000	0.000	64.22	0.00	0.00
15		ABT-DF-DMADBH	1	8.256	9.082	1.00	0.80	10.54	196.57	0.000	0.000	95.76	0.00	0.00
16		DC6-48-60-18-8F	1	8.256	9.082	1.00	1.00	0.18	2.12	0.000	0.000	1.63	0.00	0.00
17		Low Profile Platform	1	8.256	9.082	1.00	1.00	1.21	62.07	0.000	0.000	11.03	0.00	0.00
18		7770.00	6	8.256	9.082	0.58	1.00 0.80	33.89	2380.96	0.000	0.000	307.76	0.00	0.00
19		Commscope VV-65A-R1	3	8.148	8.963	0.56		21.73	757.82	0.000	0.000	197.37	0.00	0.00
20		782 11056	3	8.148	8.963	0.65	0.75	11.43	236.47	0.000	0.000	102.46	0.00	0.00
21		S20057A1	3	8.148	8.963	0.55	0.75	1.07	29.93	0.000	0.000	9.62	0.00	0.00
22		KRY 112 144/1	3	8.148	8.963	0.55	0.75	2.11	61.27	0.000	0.000	18.94	0.00	0.00
23		Low Profile Platform	1	8.148	8.963	_	0.75	1.15	51.93	0.000	0.000	10.27	0.00	0.00
24		HRK12 (Handrail Kit)	1	8.148	8.963	1.00	1.00	33.81	2375.47	0.000	0.000	303.08	0.00	0.00
25		Ericsson 4460 B25 + B66	3	8.148	8.963	1.00 0.38	1.00	12.82	206.39	0.000	0.000	114.87	0.00	0.00
26		Ericsson 4480 B71 + B85	3	8.148	8.963		0.75	2.86	435.43	0.000	0.000	25.65	0.00	0.00
27		PRK-1245 (kicker kit)	1	8.148	8.963	0.38	0.75	3.21	411.20	0.000	0.000	28.73	0.00	0.00
28		Ericsson AIR6449 B41	3	8.148	8.963	1.00	1.00	16.15	679.88	0.000	0.000	144.79	0.00	0.00
29	155.00		3	8.148	8.963	0.53	0.75	10.04	550.84	0.000	0.000	90.01	0.00	0.00
30		MC-PK8-DSH	1	8.035		0.52	0.75	33.86	1264.38	0.000	0.000	303.45	0.00	0.00
31		RDIDC-9181-OF-48	1	8.035	8.838	1.00	1.00	68.97	2820.81	0.000	0.000	609.60	0.00	0.00
32		TA08025-B604	3		8.838	0.75	0.75	1.79	48.96	0.000	0.000	15.83	0.00	0.00
33		TA08025-B605		8.035	8.838	0.38	0.75	2.62	294.66	0.000	0.000	23.19	0.00	0.00
34		MX08FRO665-21	3 3	8.035	8.838	0.38	0.75	2.62	336.45	0.000	0.000	23.19	0.00	0.00
	170.00	WINGGI NOUG-Z I	3	8.035	8.838	0.55	0.75	22.42	610.37	0.000	0.000	198.12	0.00	0.00
							Totale:		1 606 64					

Totals:

21,686.54

3,848.84

CT01501-S-SBA Structure:

Code: TIA-222-H

Site Name: Morris

С Exposure:

195.00 (ft) Height:

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class:

D - Stiff Soil

1.1 Gh:

Topography: 1

Struct Class: ||

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7/13/2023



Iterations

31

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

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

Y	
	X
2	

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		73.30	865.43	0.00	0.00		
2.00		72.89	869.16	0.00	0.00		
4.00		72.44	869.29	0.00	0.00		
6.00		71.97	867.86	0.00	0.00		
8.00 10.00		71.49	865.53	0.00	0.00		
12.00		71.00	862.62	0.00	0.00		
14.00		70.51	859.29	0.00	0.00		
16.00		70.87	855.66	0.00	0.00		
18.00		72.13	851.78	0.00	0.00		
20.00		73.22	847.71	0.00	0.00		
22.00		74.16	843.47	0.00	0.00		
24.00		74.97	839.10	0.00	0.00		
26.00		75.67	834.62	0.00	0.00		
28.00		76.28	830.03	0.00	0.00		
30.00		76.81	825.36	0.00	0.00		
32.00		77.26	820.61	0.00	0.00		
34.00		77.65	815.79	0.00	0.00		
36.00		77.97	810.91	0.00	0.00		
38.00		78.24	805.97	0.00	0.00		
40.00		78.46	800.99	0.00	0.00		
41.00		39.20	398.67	0.00	0.00		
42.00		39.75	666.18	0.00	0.00		
44.00		79.81	1325.00	0.00	0.00		
46.00		79.91	1315.32	0.00	0.00		
48.00		79.97	1305.60	0.00	0.00		
50.00		80.00	784.68	0.00	0.00		
52.00		79.99	779.47	0.00	0.00		
54.00		79.96	774.23	0.00	0.00		
56.00		79.89	768.96	0.00	0.00		
58.00		79.80	763.67	0.00	0.00		
60.00		79.68	758.35	0.00	0.00		
62.00		79.53	753.01	0.00	0.00		
64.00		79.36	747.65	0.00	0.00		
66.00		79.17	742.26	0.00	0.00		
68.00		78.96	736.86	0.00	0.00		
70.00		78.73	731.44	0.00	0.00		
72.00		78.48	726.00	0.00	0.00		
74.00		78.21	720.54	0.00	0.00		
76.00		77.92	715.07	0.00	0.00		
78.00		77.61	709.58	0.00	0.00		
80.00		77.29	704.07	0.00	0.00		
81.00		38.47	350.09	0.00	0.00		
82.00		38.38	311.95	0.00	0.00		
84.00		76.60	620.08	0.00	0.00		
85.00		38.11	308.37	0.00	0.00		
86.00		38.52	492.05	0.00	0.00		

Structu	ure: C	T01501-S	S-SBA		Code:	34	TIA-222-H	7/13/2023	
Site Na	me: M	1orris			Exposur		C	171072020	((明))
Height		95.00 (ft)			Crest He				TT-~
Base E		.000 (ft)				_			LIFS
Gh:		. ,	_		Site Clas		D - Stiff Soil		110
		.1	ТОР	ography: 1	Struct C	lass:	Н	Page: 40	Tower Engineering Solutions
88.00			76.86	977.39	0.00	0.00			
90.00			76.47	968.78	0.00	0.00			
91.00			38.04	481.28	0.00	0.00			
92.00			37.93	303.36	0.00	0.00			
94.00			75.64	602.85	0.00	0.00			
96.00			75.21	598.01	0.00	0.00			
98.00			74.77	593.16	0.00	0.00)		
100.00			74.31	588.30	0.00	0.00			
102.00			73.84	583.43	0.00	0.00			
104.00			73.37	578.55	0.00	0.00			
106.00			72.88	573.66	0.00	0.00			
108.00			72.38	568.77	0.00	0.00			
110.00			71.87	563.86	0.00	0.00			
112.00			71.35	558.94	0.00	0.00			
114.00			70.82	554.02	0.00	0.00			
116.00			70.28	549.09	0.00	0.00			
118.00			69.73	544.15	0.00	0.00			965
120.00			69.17	539.20	0.00	0.00			
122.00			68.60	534.25	0.00	0.00			
124.00			68.02	529.28	0.00	0.00			
126.00			67.44	524.31	0.00	0.00			
128.00			66.85	519.34	0.00	0.00			
130.00			66.25	514.35	0.00	0.00			
132.00			66.52	739.45	0.00	0.00			
134.00			65.90	731.41	0.00	0.00			
135.00			32.69	362.83	0.00	0.00			
136.00			32.54	224.48	0.00	0.00			
138.00			64.65	445.48	0.00	0.00			
140.00			64.01	441.23	0.00	0.00			
142.00			63.37	436.98	0.00	0.00			
144.00			62.72	432.72	0.00	0.00			
145.00	(11) atta	chments	901.03	4326.17	0.00	0.00			
146.00			30.92	207.97	0.00	0.00			
148.00			61.39	412.42	0.00	0.00			
150.00			60.72	408.13	0.00	0.00			14
152.00			60.04	403.83	0.00	0.00			
154.00	(CT)		59.36	399.53	0.00	0.00			
155.00	(27) atta	cnments	1181.29	6501.52	0.00	0.00			
156.00			29.23	178.32	0.00	0.00			
158.00			57.97	353.09	0.00	0.00			
160.00			57.27	348.77	0.00	0.00			
162.00			56.56	344.45	0.00	0.00			
164.00	(20) -#-		55.84	340.12	0.00	0.00			
165.00	(30) atta	cnments	851.88	4641.38	0.00	0.00			
166.00			27.45	149.55	0.00	0.00			
168.00			54.39	295.53	0.00	0.00			
170.00			53.66	291.19	0.00	0.00			
172.00			52.92	286.85	0.00	0.00			
174.00 175.00	(00) -4	alam c -t-	52.18	282.50	0.00	0.00			
175.00 176.00	(26) atta	criments	1028.56	6939.07	0.00	0.00			
176.00			25.60	123.64	0.00	0.00			
178.00			50.67	243.69	0.00	0.00			
180.00			49.91	239.33	0.00	0.00			
182.00			49.59	256.75	0.00	0.00			
184.00 186.00			49.71	256.84	0.00	0.00			
188.00			49.83	256.92	0.00	0.00			
100.00			49.94	257.01	0.00	0.00			

CT01501-S-SBA Structure:

Code:

7/13/2023

Site Name: Morris

Exposure:

Height:

195.00 (ft)

C

(((H)))

Base Elev: 0.000 (ft)

Crest Height: 0.00

Site Class:

D - Stiff Soil

TIA-222-H

Page: 41

Gh:	1.1	Ton	ography: 1	Struct	Class: II
GII.	1.1				2.22
190.00		50.06	257.09	0.00	0.00
192.00		50.17	257.17	0.00	0.00
194.00		50.29	257.25	0.00	0.00
195.00		25.17	128.65	0.00	0.00
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Totals:	10,568,68	82,657.96	0.00	0.00

Linear Appurtenance Segment Forces (Factored)

Exposure:

Structure: CT01501-S-SBA

Site Name: Morris Height:

195.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code:

TIA-222-H

C

Crest Height: 0.00

Site Class:

Struct Class: ||

D - Stiff Soil

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7/13/2023



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

Topography: 1

Dead Load Factor 1.20 Wind Load Factor 1.00

Iterations

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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)
2.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.54	0.00	0.027	0.000	4,990	0.00	8.74
4.00		Yes	2.00	0.000	1.75	0.56	0.00	0.027	0.000	4.990	0.00	9.10
6.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.57	0.00	0.027	0.000	4.990	0.00	9.32
8.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.58	0.00	0.027	0.000	4.990	0.00	9.32
10.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.59	0.00	0.028	0.000	4.990	0.00	9.49
12.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.59	0.00	0.028	0.000	4.990	0.00	9.75
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.60	0.00	0.028	0.000	4.990	0.00	9.75
16.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.60	0.00	0.028	0.000	5.052	0.00	9.00
18.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.61	0.00	0.028	0.000	5.179	0.00	10.02
20.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.61	0.00	0.029	0.000	5.179	0.00	10.02
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.61	0.00	0.029	0.000	5.402	0.00	10.16
24.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.61	0.00	0.029	0.000	5.502	0.00	
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.62	0.00	0.029	0.000	5.596		10.22
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.62	0.00	0.029	0.000	5.684	0.00	10.28
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.62	0.00	0.030	0.000	5.767	0.00	10.33
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.62	0.00	0.030			0.00	10.38
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.030	0.000	5.846	0.00	10.43
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.030	0.000	5.921	0.00	10.48
	-	Yes	2.00	0.000	1.75	0.63	0.00		0.000	5.992	0.00	10.52
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.031	0.000	6.061	0.00	10.56
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.83	0.00	0.031	0.000	6.127	0.00	10.60
	1.75" Hybrid	Yes	1.00	0.000	1.75			0.031	0.000	6.159	0.00	5.31
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.32	0.00	0.031	0.000	6.190	0.00	5.32
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.032	0.000	6.251	0.00	10.68
	1.75" Hybrid	Yes	2.00	0.000		0.64	0.00	0.032	0.000	6.310	0.00	10.72
	1.75" Hybrid	Yes	2.00		1.75	0.64	0.00	0.032	0.000	6.366	0.00	10.75
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.032	0.000	6.421	0.00	10.78
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.032	0.000	6.475	0.00	10.81
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.033	0.000	6.526	0.00	10.85
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.033	0.000	6.576	0.00	10.88
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.033	0.000	6.625	0.00	10.90
	1.75" Hybrid	Yes		0.000	1.75	0.65	0.00	0.034	0.000	6.673	0.00	10.93
	1.75" Hybrid		2.00	0.000	1.75	0.65	0.00	0.034	0.000	6.719	0.00	10.96
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.034	0.000	6.764	0.00	10.99
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.035	0.000	6.808	0.00	11.01
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.035	0.000	6.851	0.00	11.04
		Yes	2.00	0.000	1.75	0.65	0.00	0.035	0.000	6.893	0.00	11.06
	1.75" Hybrid 1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.036	0.000	6.934	0.00	11.09
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.036	0.000	6.974	0.00	11.11
	·	Yes	2.00	0.000	1.75	0.65	0.00	0.036	0.000	7.013	0.00	11.14
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.037	0.000	7.052	0.00	11.16
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.037	0.000	7.089	0.00	11.18
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.33	0.00	0.037	0.000	7.108	0.00	5.60
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.33	0.00	0.037	0.000	7.126	0.00	5.60
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.038	0.000	7.162	0.00	11.22
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.33	0.00	0.038	0.000	7.180	0.00	5.62
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.33	0.00	0.038	0.000	7.198	0.00	5.62
00.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.038	0.000	7.233	0.00	11.27

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Linear Appurtenance Segment Forces (Factored)

Structure:

CT01501-S-SBA

Site Name: Morris Height:

Base Elev: 0.000 (ft)

Gh:

195.00 (ft)

Topography: 1

Code:

TIA-222-H

Exposure:

С

Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: II

7/13/2023

(((HI))

Page: 43

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

Dead Load Factor

1.20

Wind Load Factor 1.00



iterations

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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	0.000	1.75	0.66	0.00	0.039	0.000	7.267	0.00	11.29
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.33	0.00	0.039	0.000	7.284	0.00	5.65
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.33	0.00	0.039	0.000	7.301	0.00	5.65
92.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.039	0.000	7.334	0.00	11.32
94.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.040	0.000	7.367	0.00	11.34
96.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.040	0.000	7.399	0.00	11.36
	1.75" Hybrid		2.00	0.000	1.75	0.66	0.00	0.040	0.000	7.430	0.00	11.38
	1. 75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.041	0.000	7.461	0.00	11.40
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.041	0.000	7.492	0.00	11.42
	1. 75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.042	0.000	7.522	0.00	11.43
	1. 75" Hybrid	Yes		0.000	1.75	0.67	0.00	0.042	0.000	7.552	0.00	11.45
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.043	0.000	7.581	0.00	11.47
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.043	0.000	7.610	0.00	11.49
112.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.044	0.000	7.638	0.00	11.50
114.00	1. 75 " Hybrid	Yes	2.00		1.75	0.67	0.00	0.044	0.000	7.666	0.00	11.52
116.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.045	0.000	7.694	0.00	11.53
118.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.046	0.000	7.721	0.00	11.55
120.00	1. 7 5" Hybrid	Yes	2.00	0.000		0.67	0.00	0.046	0.000	7.748	0.00	11.57
122.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.047	0.000	7.775	0.00	11.58
124.00	1.75" Hybrid	Yes	2.00	0.000	1.75		0.00	0.047	0.000	7.801	0.00	11.60
126.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67		0.047	0.000	7.827	0.00	11.61
128.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.048	0.000	7.852	0.00	11.63
130.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.049	0.000	7.878	0.00	11.64
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00		0.000	7.902	0.00	11.66
134.00		Yes	2.00	0.000	1.75	0.68	0.00	0.050	0.000	7.915	0.00	5.83
135.00	•	Yes	1.00	0.000	1.75	0.34	0.00	0.050	0.000	7.927	0.00	5.83
136.00		Yes	1.00	0.000	1.75	0.34	0.00	0.050		7.952 7.952	0.00	11.68
138.00	•	Yes	2.00	0.000	1.75	0.68	0.00	0.051	0.000	7.952 7.976	0.00	11.70
140.00	•	Yes	2.00	0.000	1.75	0.68	0.00	0.051	0.000		0.00	11.71
142.00	•	Yes	2.00	0.000	1.75	0.68	0.00	0.052	0.000	8.000	0.00	11.72
144.00	•	Yes	2.00	0.000	1.75	0.68	0.00	0.053	0.000	8.023		5.87
145.00	•	Yes	1.00	0.000	1.75	0.34	0.00	0.053	0.000	8.035	0.00	
145.00	1.75 Tlyblid								То	tals:	0.0	791.9

Structure: CT01501-S-SBA

Site Name: Morris Height: 195.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code:

TIA-222-H

Exposure: С

Crest Height: 0.00

Site Class:

Struct Class: ||

D - Stiff Soil

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Iterations

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

Topography: 1

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

Y	
	X
2	Ne.

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress
0.00	-82.66	-10.58	0.00	-1333.6	0.00	1333.60	4628.91	1339.45	7126.38	6119.66	0.00	0.000	0.000	0.236
2.00	-81.79	-10.54	0.00	-1312.4	0.00	1312.44	4612.68	1329.62	7022.11	6053.16	0.00	-0.019	0.000	0.235
4.00	-80.91	-10.49	0.00	-1291.3	0.00	1291.37	4596.18	1319.78	6918.62	5986.64	0.02	-0.038	0.000	0.233
6.00	-80.04	-10.44	0.00	-1270.3	0.00	1270.39	4579.43	1309.95	6815.89	5920.10	0.04	-0.057	0.000	0.232
8.00	-79.17	-10.40	0.00	-1249.5	0.00	1249.50	4562.40	1300.11	6713.93	5853.55	0.06	-0.037	0.000	0.232
10.00	-78.30	-10.35	0.00	-1228.7	0.00	1228.71	4545.12	1290.28	6612.74	5787.00	0.10	-0.096	0.000	0.230
12.00	-77.44	-10.30	0.00	-1208.0	0.00	1208.01	4527.57	1280.44	6512.31	5720.46	0.15	-0.116	0.000	0.228
14.00	-76.57	-10.26	0.00	-1187.4	0.00	1187.40	4509.77	1270.61	6412.66	5653.92	0.20	-0.135	0.000	0.227
16.00	-75.71	-10.21	0.00	-1166.8	0.00	1166.88	4491.69	1260.77	6313.77	5587.41	0.26	-0.155	0.000	0.226
18.00	-74.86	-10.16	0.00	-1146.4	0.00	1146.46	4473.36	1250.94	6215.65	5520.93	0.33	-0.175	0.000	0.224
20.00	-74.01	-10.11	0.00	-1126.1	0.00	1126.13	4454.76	1241.10	6118.30	5454.49	0.41	-0.195	0.000	0.223
22.00	-73.16	-10.06	0.00	-1105.9	0.00	1105.91	4435.90	1231.27	6021.72	5388.08	0.49	-0.215	0.000	0.222
24.00	-72.32	-10.01	0.00	-1085.7	0.00	1085.78	4416.78	1221.43	5925.90	5321.73	0.59	-0.235	0.000	0.220
26,00	-71.48	-9.96	0.00	-1065.7	0.00	1065.76	4397.40	1211.60	5830.86	5255.44	0.69	-0.256	0.000	0.219
28.00	-70.65	-9.90	0.00	-1045.8	0.00	1045.85	4377.75	1201.76	5736.58	5189.22	0.80	-0.276	0.000	0.218
30.00	-69.82	- 9.85	0.00	-1026.0	0.00	1026.05	4357.84	1191.93	5643.07	5123.07	0.92	-0.297	0.000	0.216
32.00	-69.00	-9.79	0.00	-1006.3	0.00	1006.36	4337.67	1182.09	5550.33	5057.01	1.05	-0.318	0.000	0.215
34.00	-68.18	-9.73	0.00	-986.79	0.00	986.79	4317.23	1172.26	5458.36	4991.03	1.19	-0.338	0.000	0.214
36.00	-67.36	-9.67	0.00	-967.33	0.00	967.33	4296.53	1162.42	5367.16	4925.16	1.34	-0.359	0.000	0.212
38.00	-66.55	-9.61	0.00	-947.98	0.00	947.98	4275.57	1152.59	5276.73	4859.38	1.49	-0.380	0.000	0.211
40.00	-65.75	-9.55	0.00	-928.75	0.00	928.75	4254.35	1142.76	5187.06	4793.73	1.65	-0.401	0.000	0.209
41.00	-65.35	-9.52	0.00	-919.21	0.00	919.21	4243.64	1137.84	5142.51	4760.94	1.74	-0.412	0.000	0.209
42.00	-64.68	-9.49	0.00	-909.69	0.00	909.69	4232.86	1132.92	5098.16	4728.19	1.83	-0.423	0.000	0.208
44.00	-63.35	-9.43	0.00	-890.71	0.00	890.71	4211.11	1123.09	5010.03	4662.78	2.01	-0.444	0.000	0.206
46.00	-62.04	-9.36	0.00	-871.86	0.00	871.86	4189.10	1113.25	4922.67	4597.51	2.20	-0.466	0.000	0.205
48.00	-60.73	-9.29	0.00	-853.14	0.00	853.14	4202.19	1119.08	4974.38	4636.19	2.40	-0.487	0.000	0.199
50.00	-59.94	-9.23	0.00	-834.56	0.00	834.56	4180.07	1109.25	4887.33	4570.98	2.61	-0.509	0.000	0.197
52.00	-59.16	-9.16	0.00	-816.11	0.00	816.11	4157.69	1099.41	4801.05	4505.91	2.83	-0.530	0.000	0.195
54.00	-58.38	-9.09	0.00	-797.79	0.00	797.79	4135.04	1089.58	4715.54	4441.00	3.05	-0.551	0.000	0.194
56.00	-57.61	-9.03	0.00	-779.60	0.00	779.60	4112.14	1079.74	4630.79	4376.25	3.29	-0.572	0.000	0.192
58.00	-56.84	-8.96	0.00	-761.54	0.00	761.54	4088.97	1069.91	4546.82	4311.67	3.53	-0.593	0.000	0.191
60.00	-56.08	-8.89	0.00	-743.62	0.00	743.62	4065.54	1060.07	4463.61	4247.27	3.79	-0.614	0.000	0.189
62.00	-55.33	-8.83	0.00	-725.83	0.00	725.83	4041.84	1050.24	4381.17	4183.06	4.05	-0.635	0.000	0.187
64.00	-54.58	-8.76	0.00	-708.18	0.00	708.18	4017.89	1040.40	4299.50	4119.03	4.32	-0.657	0.000	0.186
66.00	-53.83 53.00	-8.69	0.00	-690.66	0.00	690.66	3993.67	1030.57	4218.60	4055.21	4.60	-0.678	0.000	0.184
68.00 7 0.00	-53.09	-8.62	0.00	-673.27	0.00	673.27	3969.18	1020.73	4138.47	3991.60	4.89	-0.699	0.000	0.182
	-52.36 -51.63	-8.56	0.00	-656.02	0.00	656.02	3944.44	1010.90	4059.10	3928.21	5.18	-0.721	0.000	0.180
72.00 74.00		-8.49	0.00	-638.91	0.00	638.91	3919.43	1001.06	3980.51	3865.04	5.49	-0.743	0.000	0.179
76.00	-50.91	-8.42		-621.93	0.00	621.93	3894.16	991.23	3902.68	3802.10	5.81	-0.764	0.000	0.177
	-50.19	-8.35	0.00	-605.09	0.00	605.09	3868.63	981.39	3825.62	3739.40	6.13	-0.786	0.000	0.175
78.00	-49.48	-8.28		-588.39	0.00	588.39	3842.83	971.56	3749.33	3676.95	6.47	-0.808	0.000	0.173
80.00	-48.78	-8.21		-571.83	0.00	571.83	3816.78		3673.81	3614.75	6.81	-0.830	0.000	0.171
81.00	-48.42	-8.18		-563.62	0.00	563.62	3803.65	956.81		3583.75	6.98	-0.841	0.000	0.170
81.00	-48.42	-8.18		-563.62	0.00	563.62	2964.89		3038.55		6.98	-0.841	0.000	0.218
82.00	-48.11 47.40	-8.15		-555.44	0.00	555.44	2956.04		3007.44		7.16	-0.852	0.000	0.216
84.00 85.00	-47.49	-8.08		-539.15	0.00	539.15	2938.13		2945.70		7.52	-0.878	0.000	0.214
86.00	-47.18 -46.69	-8.05		-531.07	0.00	531.07	2929.08		2915.07		7.71	-0.891	0.000	0.212
55.00	70.08	-8.02	0.00	-523.02	0.00	523.02	2919.97	777.94	2884.60	2687.40	7.90	-0.904	0.000	0.211

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CT01501-S-SBA Structure:

TIA-222-H Code:

Site Name: Morris

С Exposure:

195.00 (ft) Height: Base Elev: 0.000 (ft)

Crest Height: 0.00

D - Stiff Soil Site Class:



Base	Elev:	0.000 (1	π)				0110 01000.		· · · · · · · · · · · · · · · · · · ·		Par	ge: 45	Tower Engineer	ing Solutions
Gh:		1.1		Top	ography:	1 :	Struct Clas	SS: II			r a	ge. 40		
88.00	-45.71	-7.94	0.00	-506.99	0.00	506.99	2901.54	769.74	2824.14	2642.11	8.28	-0.930		0.208
90.00	-44.74	-7.87	0.00	-491.10	0.00	491.10	2882.85	761.55	2764.32	2596.94	8.68	-0.957		0.205
91.00	-44.25	-7.83	0.00	-483.24	0.00	483.24	2898.33	768.33	2813.78	2634.30	8.88	-0.970		0.199
92.00	-43.95	-7.80	0.00	-475.40	0.00	475.40	2889.00	764.23	2783.84	2611.72	9.08	-0.983		0.197
94.00	-43.34	-7.74	0.00	-459.80	0.00	459.80	2870.13	756.03	2724.45	2566.64	9.50	-1.008		0.194
96.00	-42.74	-7.67	0.00	-444.33	0.00	444.33	2851.00	747.84	2665.70	2521.69	9.93	-1.033		0.191
98.00	-42.15	-7.60	0.00	-428.99	0.00	428.99	2831.61	739.64	2607.60	2476.90	10.37	-1.058		0.188
100.00	-41.56	-7.53	0.00	-413.79	0.00	413.79	2811.95	731.45	2550.13	2432.25	10.82	-1.083		0.185
102.00	-40.97	-7.47	0.00	-398.72	0.00	398.72	2792.03	723.25	2493.30	2387.76	11.27	-1.108		0.182
104.00	-40.39		0.00	-383.78	0.00	383.78	2771.85	715.06	2437.12	2343.44	11.74	-1.133		0.178 0.175
106.00	-39.82		0.00	-368.99	0.00	368.99	2751.41	706.86	2381.57	2299.29	12.22	-1.157		0.173
108.00	-39.25		0.00	-354.32	0.00	354.32	2730.70	698.66	2326.66	2255.33	12.71	-1.182		0.172
110.00	-38.68		0.00	-339.79	0.00	339.79	2709.73	690.47	2272.40	2211.55	13.22	-1.206		0.164
112.00	-38.12		0.00	-325.39	0.00	325.39	2688.50	682.2 7	2218.77	2167.98	13.73	-1.230		0.164
114.00	-37.57		0.00	-311.13	0.00	311.13	2667.01	674.08	2165.79	2124.61	14.25	-1.254		0.157
116.00	-37.02		0.00	-297.00	0.00	297.00	2645.25	665.88	2113.44	2081.45	14.78	-1.278		0.157
118.00	-36.47		0.00	-283.01	0.00	283.01	2623.23	657.69	2061.74	2038.51	15.32	-1.302		0.149
120.00	-35.93		0.00	-269.15	0.00	269.15	2600.95	649.49	2010.67	1995.80	15.87	-1.325		0.145
122.00	-35.40		0.00	-255.43	0.00	255.43	2578.41	641.29	1960.25	1953.33	16.43	-1.348		0.140
124.00	-34.87		0.00	-241.84	0.00	241.84	2555.60	633.10	1910.47	1911.10	17.00	-1.370		0.136
126.00	-34.34		0.00	-228.38	0.00	228.38	2532.53	624.90	1861.32	1869.12	17.58	-1.393		0.131
128.00	-33.82	-6.60	0.00	-215.06	0.00	215.06	2509.20	616.71	1812.82	1827.41	18.16	-1.414		0.127
130.00	-33.31	-6.53	0.00	-201.87	0.00	201.87	2485.60	608.51	1764.96	1785.96	18.76	-1.436 -1.456		0.122
132.00	-32.57	-6.45	0.00	-188.81	0.00	188.81	2461.74	600.32	1717.74	1744.78	19.37	-1.450		0.116
134.00	-31.83	-6.38	0.00	-175.90	0.00	175.90	2437.62	592.12	1671.15	1703.88	19.98 20.29	-1.487		0.149
135.00	-31.47	-6.34	0.00	-169.52	0.00	169.52	1823.78	478.25	1362.76	1289.51	20.29	-1.496		0.145
136.00	-31.25	-6.31	0.00	-163.18	0.00	163.18	1816.04	474.97	1344.14	1275.17	21.24	-1.519		0.138
138.00	-30.80	-6.25	0.00	-150.56	0.00	150.56	1800.35	468.42	1307.29	1246.57	21.88	-1.540		0.131
140.00	-30.36	-6.18	0.00	-138.06	0.00	138.06	1784.40	461.86	1270.94	1218.11 1189.78	22.53	-1.561		0.123
142.00	-29.92	-6.12	0.00	-125.70	0.00	125.70	1768.19	455.30	1235.12	1161.59	23.19	-1.580		0.115
144.00	-29.49	-6.05	0.00	-113.46	0.00	113.46	1751.71	448.75	1199.80 1182.33	1147.55	23.19	-1.590		0.108
145.00	-25.19	-5.04	0.00	-107.41	0.00	107.41	1743.38	445.47	1165.00	1133.55	23.85	-1.599		0.105
146.00	-24.98	-5.00	0.00	-102.37	0.00	102.37	1734.98	442.19 435.63	1130.70	1105.67	24.53	-1.616		0.098
148.00	-24.57	-4.94	0.00	-92.36	0.00	92.36	1717.98		1096.92	1077.96	25.21	-1.632		0.091
150.00	-24.16	-4.87	0.00	-82.49	0.00	82.49	1700.71	429.08 422.52	1063.66	1050.42	25.89	-1.647		0.083
152.00	-23.76	-4.81	0.00	-72.74	0.00	72.74	1683.19	415.96	1030.90	1023.06	26.59	-1.661		0.076
154.00	-23.36	-4.74	0.00	-63.13	0.00	63.13	1665.40 1656.41	412.69	1030.90	1009.45	26.94	-1.668		0.068
155.00	-16.89	-3.37	0.00	-58.39	0.00	58.39	1647.35	409.41	998.66	995.89	27.29	-1.674		0.065
156.00	-16.72		0.00	-55.02	0.00	55.02	1629.04	402.85	966.93	968.91	27.99	-1.685		0.060
158.00	-16.36		0.00	-48.34	0.00	48.34	1610.46	396.29	935.71	942.14	28.70	-1.696		0.054
160.00	-16.02		0.00	-41.78	0.00	41.78	1591.62	389.74	905.01	915.58	29.41	-1.705		0.049
162.00	-15.67		0.00	-35.36	0.00	35.36	1572.52	383.18	874.81	889.24	30.13	-1.714		0.043
164.00	-15.33		0.00	-29.07	0.00	29.07	1562.88	379.90	859.91	876.15	30.49	-1.717		0.037
165.00	-10.72		0.00	-25.99	0.00	25.99	1553.16	376.62	845.13	863.13	30.85	-1.721		0.035
166.00	-10.57	-2.06	0.00	-23.90	0.00	23.90	1533.10	370.07	815.96	837.25	31.57	-1.727		0.030
168.00	-10.28		0.00	-19.77	0.00	19.77	1513.65	363.51	787.30	811.61	32.29	-1.733		0.026
170.00	-9.99		0.00	-15.77	0.00	15.77	1493.49	356.96	759.16	786.22	33.02	-1.737	_	0.022
172.00	-9.70		0.00	-11.90	0.00	11.90		350.40	731.53	761.10	33.75	-1.740		0.017
174.00	-9.42		0.00	-8.15	0.00	8.15	1473.08 1462.77	347.12	717.90	748.63	34.11	-1.742		0.010
175.00	-2.52		0.00	-6.33	0.00	6.33		347.12		736.23	34.48	-1.743		0.009
176.00	-2.40	-0.55	0.00	-5.75	0.00	5.75	1452.40 1427.84	337.29	677.80	709.84	35.21	-1.745		0.008
178.00	-2.15		0.00	-4.66	0.00	4.66	1427.84	330.73	651.70	682.38	35.94	-1.746		0.007
180.00	-1.92		0.00	-3.68	0.00	3.68	1571.64	371.25	730.60	763.99	35.94	-1.746		0.006
180.00	-1.92	_	0.00	-3.68	0.00	3.68	1571.64	371.25	730.60	763.99	36.67	-1.748		0.005
182.00	-1.66		0.00	-2.81	0.00	2.81	1571.64	371.25	730.60	763.99	37.40	-1.749		0.004
184.00	-1.41		0.00	-2.06	0.00	2.06 1.42	1571.64	371.25		763.99	38.14	-1.749		0.003
186.00	-1.16	-0.26	0.00	-1.42	0.00		107 1.04 minoprina Soli							

7/13/2023

Structure: CT01501-S-SBA Code: TIA-222-H

Site Name: Morris Exposure: C
Height: 195.00 (ft) Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: II

	1.1		ТОР	ograpny:	36		Struct Clas	SS:			Pa	ge: 46	Tower Engineer	mg solutions
-0.89	-0.20	0.00	-0.90	0.00		0.90	1571.64	371.25	730.60	763.99	38.87	-1.750	0.000	0.002
-0.64	-0.15	0.00	-0.49	0.00		0.49	1571.64	371.25	730.60	763.99	39.60	-1.750	0.000	0.001
-0.38	-0.09	0.00	-0.20	0.00		0.20	1571.64	371.25	730.60	763.99	40.33	-1.750	0.000	0.001
-0.13	-0.03	0.00	-0.03	0.00		0.03	1571.64	371.25	730.60	763.99	41.07	-1.750	0.000	0.000
0.00	-0.03	0.00	0.00	0.00		0.00	1571.64	371.25	730.60	763.99	41.43	-1.750	0.000	0.000
	-0.64 -0.38 -0.13	-0.64 -0.15 -0.38 -0.09 -0.13 -0.03	-0.64 -0.15 0.00 -0.38 -0.09 0.00 -0.13 -0.03 0.00	-0.89 -0.20 0.00 -0.90 -0.64 -0.15 0.00 -0.49 -0.38 -0.09 0.00 -0.20 -0.13 -0.03 0.00 -0.03	-0.89 -0.20 0.00 -0.90 0.00 -0.64 -0.15 0.00 -0.49 0.00 -0.38 -0.09 0.00 -0.20 0.00 -0.13 -0.03 0.00 -0.03 0.00	-0.64 -0.15 0.00 -0.49 0.00 -0.38 -0.09 0.00 -0.20 0.00 -0.13 -0.03 0.00 -0.03 0.00	-0.89 -0.20 0.00 -0.90 0.00 0.90 -0.64 -0.15 0.00 -0.49 0.00 0.49 -0.38 -0.09 0.00 -0.20 0.00 0.20 -0.13 -0.03 0.00 -0.03 0.00 0.03	-0.89 -0.20 0.00 -0.90 0.00 0.90 1571.64 -0.64 -0.15 0.00 -0.49 0.00 0.49 1571.64 -0.38 -0.09 0.00 -0.20 0.00 0.20 1571.64 -0.13 -0.03 0.00 -0.03 0.00 0.03 1571.64	-0.89 -0.20 0.00 -0.90 0.00 0.90 1571.64 371.25 -0.64 -0.15 0.00 -0.49 0.00 0.49 1571.64 371.25 -0.38 -0.09 0.00 -0.20 0.00 0.20 1571.64 371.25 -0.13 -0.03 0.00 -0.03 0.00 0.03 1571.64 371.25	-0.89 -0.20 0.00 -0.90 0.00 0.90 1571.64 371.25 730.60 -0.64 -0.15 0.00 -0.49 0.00 0.49 1571.64 371.25 730.60 -0.38 -0.09 0.00 -0.20 0.00 0.20 1571.64 371.25 730.60 -0.13 -0.03 0.00 -0.03 0.00 0.03 1571.64 371.25 730.60	-0.89 -0.20 0.00 -0.90 0.90 1571.64 371.25 730.60 763.99 -0.64 -0.15 0.00 -0.49 0.00 0.49 1571.64 371.25 730.60 763.99 -0.38 -0.09 0.00 -0.20 0.00 0.20 1571.64 371.25 730.60 763.99 -0.13 -0.03 0.00 -0.03 0.00 0.03 1571.64 371.25 730.60 763.99 0.00 0.03 0.00 0.03 1571.64 371.25 730.60 763.99	-0.89 -0.20 0.00 -0.90 0.90 1571.64 371.25 730.60 763.99 38.87 -0.64 -0.15 0.00 -0.49 0.00 0.49 1571.64 371.25 730.60 763.99 39.60 -0.38 -0.09 0.00 -0.20 0.00 0.20 1571.64 371.25 730.60 763.99 40.33 -0.13 -0.03 0.00 -0.03 0.00 0.03 1571.64 371.25 730.60 763.99 41.07	-0.89 -0.20 0.00 -0.90 0.00 0.90 1571.64 371.25 730.60 763.99 38.87 -1.750 -0.64 -0.15 0.00 -0.49 0.00 0.49 1571.64 371.25 730.60 763.99 39.60 -1.750 -0.38 -0.09 0.00 -0.20 0.00 0.20 1571.64 371.25 730.60 763.99 40.33 -1.750 -0.13 -0.03 0.00 -0.03 0.00 0.03 1571.64 371.25 730.60 763.99 41.07 -1.750	-0.89 -0.20 0.00 -0.90 0.00 0.90 1571.64 371.25 730.60 763.99 38.87 -1.750 0.000 -0.64 -0.15 0.00 -0.49 0.00 0.49 1571.64 371.25 730.60 763.99 39.60 -1.750 0.000 -0.38 -0.09 0.00 -0.20 0.00 0.20 1571.64 371.25 730.60 763.99 40.33 -1.750 0.000 -0.13 -0.03 0.00 -0.03 0.00 0.03 1571.64 371.25 730.60 763.99 41.07 -1.750 0.000 -0.00 -0.03 0.00 0.03 1571.64 371.25 730.60 763.99 41.07 -1.750 0.000

Seismic Segment Forces (Factored)

CT01501-S-SBA Structure:

Code:

7/13/2023 ((HI))

Site Name: Morris

Exposure:

TIA-222-H

Height:

195.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

D - Stiff Soil Site Class:

Gh:

1.1

Topography: 1

Struct Class: ||

Page: 47

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor

1.10

Sds

С

0.20

27 **Iterations** 0.18 Ss

Dead Load Factor

1.20 Seismic Load Factor

0.09 Sd1 1.00

0.05 **S1**

Wind Load Factor

0.00 Structure Frequency (f1)

SA 0.26

1.00 0.02 Seismic Importance Factor

Тор				Vertical	Lateral	
Elev		Wz	Hz (lb)	Ev (lb)	Fs (lb)	R: 1.50
(ft)	Description	(lb)	(lb)			
0.00		0.00	0.00	0.00	0.00 0.00	
2.00		635.29	1.00	24.94	0.00	
4.00		631.48	3.00	24.79	0.00	
6.00		627.66	5.00	24.64		
8.00		623.85	7.00	24.49	0.01 0.02	
10.00		620.04	9.00	24.34		
12.00		616.22	11.00	24.19	0.03	
14.00		612.41	13.00	24.04	0.04	
16.00		608.60	15.00	23.89	0.05	
18.00		604.78	17.00	23.74	0.07	
20.00		600.97	19.00	23.59	0.08	
22.00		597.15	21.00	23.44	0.10	
24.00		593.34	23.00	23.29	0.12	
26.00		589.53	25.00	23.14	0.13	
28.00		585.71	27.00	22.99	0.16	
30.00		581.90	29.00	22.84	0.18	
32.00		578.09	31.00	22.69	0.20	
34.00		574.27	33.00	22.54	0.22	
36.00		570.46	35.00	22.39	0.25	
38.00		566.64	37.00	22.24	0.27	
40.00		562.83	39.00	22.09	0.30	
41.00	Bot - Section 2	279.98	40.50	10.99	0.08	
42.00		502.21	41.50	19.71	0.27	
44.00		998.70	43.00	39.20	1.14	
46.00		991.07	45.00	38.90	1.23	
48.00	Top - Section 1	983.44	47.00	38.60	1.32	
50.00		549.84	49.00	21.58	0.45	
52.00		546.02	51.00	21.43	0.48	
54.00		542.21	53.00	21.28	0.51	
56.00		538.40	55.00	21.13	0.54	
58.00		534.58	57.00	20.98	0.58	
60.00		530.77	59.00	20.83	0.61	
62.00		526.95	61.00	20.68	0.64	
64.00		523.14	63.00	20.53	0.67	
66.00		519.33	65.00	20.39	0.71	
68.00		515.51	67.00	20.24	0.74	
70.00		511.70	69.00	20.09	0.77	
		507.89	71.00	19.94	0.81	
72.00		504.07	73.00	19.79	0.84	
74.00		500.26	75.00	19.64	0.87	
76.00		496.44	77.00	19.49	0.91	
78.00		492.63	79.00	19.34	0.94	
80.00	Ton Section 2	244.88	80.50	9.61	0.24	
81.00	Top - Section 2	213.30	81.50	8.37	0.19	
82.00		424.22	83.00	16.65	0.77	
84.00	Bot - Section 4	210.92	84.50	8.28	0.20	

Seismic Segment Forces (Factored)



Stru	cture:	CT01501-S-SBA		Code	.:	TIA-222-H	7/13/2023
Site	Name:	Morris			sure:	C	((明))
Heig	ht:	195.00 (ft)		_	t Height:		
_	Elev:	0.000 (ft)			Class:	D - Stiff Soil	LIES
Gh:		1.1	Topography: 1				Page: 48 Tower Engineering Solutions
		1.1		Struc	t Class:	II	Page: 48 Tower Engineering Solutions
86.00 88.00			363.47	85.50	14.27	0.60	
90.00			722.16 715.81	87.00 89.00	28.35	2.45	
91.00	Top - S	ection 3	355.52	90.50	28.10 13.96	2.5 <u>2</u> 0.64	
92.00			207.47	91.50	8.14	0.22	
94.00			412.55	93.00	16.19	0.91	
96.00			409.37	95.00	16.07	0.94	
98.00			406.19	97.00	15.94	0.96	
100.00 102.00			403.02	99.00	15.82	0.99	
102.00			399.84	101.00	15.69	1.01	
106.00			396.66	103.00	15.57	1.03	
108.00			393.48 390.30	105.00 107.00	15.45	1.06	
110.00			387.12	107.00	15.32 15.20	1.08 1.10	
112.00			383.95	111.00	15.20	1.13	
114.00			380.77	113.00	14.95	1.15	
116.00			377.59	115.00	14.82	1.17	
118.00			374.41	117.00	14.70	1.19	
120.00			371.23	119.00	14.57	1.21	
122.00			368.06	121.00	14.45	1.23	
124.00 126.00			364.88	123.00	14.32	1.25	
128.00			361.70	125.00	14.20	1.27	
130.00	Bot - Se	ction 5	358.52 355.34	127.00	14.07	1.29	
132.00		outil 0	542.71	129.00 131.00	13.95 21.30	1.30	
134.00			536.99	133.00	21.30	3.13 3.16	
135.00	Top - Se	ection 4	266.35	134.50	10.46	0.80	
136.00			151.30	135.50	5.94	0.26	
138.00			300.70	137.00	11.80	1.05	
140.00			298.16	139.00	11.70	1.06	
142.00			295.61	141.00	11.60	1.08	
144.00 145.00	A ==	/ .)	293.07	143.00	11.50	1.09	
146.00	Appurter	nance(s)	2504.6	144.50	98.32	81.21	
148.00			142.56	145.50	5.60	0.27	
150.00		- 6	283.21 280.67	147.00	11.12	1.07	
152.00			278.12	149.00 151.00	11.02	1.08	
154.00			275.58	153.00	10.92 10.82	1.09 1.10	
155.00	Appurten	nance(s)	3800.8	154.50	149.19	213.77	
156.00			117.29	155.50	4.60	0.21	
158.00			232.67	157.00	9.13	0.83	
160.00			230.13	159.00	9.03	0.83	
162.00			227.59	161.00	8.93	0.83	
164.00 165.00	A ==	(-)	225.04	163.00	8.83	0.83	
166.00	Appurten	ance(s)	2518.5	164.50	98.86	106.41	
168.00			92.97 184.03	165.50	3.65	0.15	
170.00			181.49	167.00 169.00	7.22 7.12	0.59	
172.00			178.95	171.00	7.02	0.58 0.58	
174.00			176.40	173.00	6.92	0.58	
175.00	Appurten	ance(s)	3298.8	174.50	129.49	205.42	
176.00			71.56	175.50	2.81	0.10	
178.00	_		141.22	177.00	5.54	0.39	
180.00	Top - Sec	ction 5	138.68	179.00	5.44	0.38	
182.00 184.00			153.12	181.00	6.01	0.48	
186.00			153.12	183.00	6.01	0.49	
. 50.00			153.12 Copyright © 2023 by Tower	185.00	6.01	0.50	

Seismic Segment Forces (Factored) 7/13/2023 TIA-222-H Code: CT01501-S-SBA ((相)) С Exposure: Site Name: Morris Crest Height: 0.00 195.00 (ft) D - Stiff Soil Site Class: Base Elev: 0.000 (ft) Page: 49 Topography: 1 Struct Class: ||

Total Wind:

35,522.4

Gh:	1.1	Topogra	phy: 1	Struc		
188.00			153.12	187.00	6.01	0.51
			153.12	189.00	6.01	0.52
190.00			153.12	191.00	6.01	0.53
192.00			153.12	193.00	6.01	0.54
194.00			76.56	194.50	3.01	0.14
195.00		Totals:	54,243,4	,	2,129.2	680.1

Structure:

Height:

Structure: CT01501-S-SBA

Site Name: Morris Height: 195.00

195.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

00 (ft)

Topography: 1

Code:

TIA-222-H

Exposure: C

Crest Height: 0.00

Site Class:

ass: D - Stiff Soil

Struct Class: II

7/13/2023

Tower Engineering Solutions

Page: 50

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor

Dead Load Factor

1.20 Seismic Load Factor 1.00

Sds 0.20

1.00 **Sd1** 0.09

Ss 0.18 **S1** 0.05

27

Iterations

Wind Load Factor 0.00 Structure Frequency (f1) 0.26 SA 0.02 Seismic Importance Factor 1.00

(ft) (kips) (kips) (ft-kips) (ft-kips)	0.033 0.032 0.032 0.032 0.032 0.032 0.032 0.032 0.032 0.032
2.00 -64.50 -0.68 0.00 -111.86 0.00 111.86 4612.68 1329.62 7022.11 6053.16 0.00 0.00 4.00 -63.74 -0.68 0.00 -110.50 0.00 110.50 4596.18 1319.78 6918.62 5986.64 0.00 0.00 6.00 -62.99 -0.68 0.00 -109.14 0.00 109.14 4579.43 1309.95 6815.89 5920.10 0.00 0.00 8.00 -62.24 -0.69 0.00 -107.77 0.00 107.77 4562.40 1300.11 6713.93 5853.55 0.01 -0.01 10.00 61.50 0.00 0.00 109.14 0.00 100.10 100.10 100.10 100.10	0.032 0.032 0.032 0.032 0.032 0.032 0.032 0.032 0.031
4.00 -63.74 -0.68 0.00 -110.50 0.00 110.50 4596.18 1319.78 6918.62 5986.64 0.00 0.00 6.00 -62.99 -0.68 0.00 -109.14 0.00 109.14 4579.43 1309.95 6815.89 5920.10 0.00 0.00 8.00 -62.24 -0.69 0.00 -107.77 0.00 107.77 4562.40 1300.11 6713.93 5853.55 0.01 -0.01 10.00 61.50 0.69 0.00 106.40 0.00 100.10 100.10 100.11 6713.93 5853.55 0.01 -0.01	0.032 0.032 0.032 0.032 0.032 0.032 0.032 0.031
6.00 -62.99 -0.68 0.00 -109.14 0.00 109.14 4579.43 1309.95 6815.89 5920.10 0.00 0.00 8.00 -62.24 -0.69 0.00 -107.77 0.00 107.77 4562.40 1300.11 6713.93 5853.55 0.01 -0.01	0.032 0.032 0.032 0.032 0.032 0.032 0.031
8.00 -62.24 -0.69 0.00 -107.77 0.00 107.77 4562.40 1300.11 6713.93 5853.55 0.01 -0.01	0.032 0.032 0.032 0.032 0.032 0.031
10.00 61.50 0.60 0.00 106.40 0.00 107.77 4302.40 1300.11 6713.93 3653.55 0.01 -0.01	0.032 0.032 0.032 0.032 0.031
	0.032 0.032 0.032 0.031
12.00 .60.76 0.60 0.00 1.05.00 0.00 1.05.00 1.00 1.00 1.	0.032 0.032 0.031
14.00 -60.02 0.60 0.00 403.65 0.00 403.65 0.00 403.65 0.00 403.65 0.00	0.032 0.031
16.00	0.031
18.00 58.56 0.69 0.00 100.89 0.00 100.89 0.00	
20.00 -57.84 -0.70 0.00 00.40 0.00 00.40 0.00	
22.00 57.13 0.70 0.00 00.40 0.00 00.40 0.00 00.40	0.031
24.00 -56.11 -0.70 0.00 -96.71 0.00 98.10 4435.90 1231.27 6021.72 5388.08 0.04 -0.02 24.00 -56.41 -0.70 0.00 -96.71 0.00 96.71 4416.78 1221.43 5925.90 5321.73 0.05 -0.02	0.031
26.00 -55.71 -0.70 0.00 -95.31 0.00 95.31 4397.40 1211.60 5830.86 5255.44 0.06 -0.02	0.031
28.00 -55.01 -0.70 0.00 -93.91 0.00 93.91 4377.75 1201.76 5736.58 5189.22 0.07 -0.02	0.031 0.031
30.00 -54.31 -0.70 0.00 -92.51 0.00 92.51 4357.84 1191.93 5643.07 5123.07 0.08 -0.03	0.031
32.00 -53.61 -0.70 0.00 -91.11 0.00 91.11 4337.67 1182.09 5550.33 5057.01 0.09 -0.03	0.031
34.00 -52.93 -0.70 0.00 -89.70 0.00 89.70 4317.23 1172.26 5458.36 4991.03 0.10 -0.03	0.030
36.00 -52.24 -0.71 0.00 -88.29 0.00 88.29 4296.53 1162.42 5367.16 4925.16 0.12 -0.03	0.030
38.00 -51.56 -0.71 0.00 -86.88 0.00 86.88 4275.57 1152.59 5276.73 4859.38 0.13 -0.03	0.030
40.00 -50.89 -0.71 0.00 -85.47 0.00 85.47 4254.35 1142.76 5187.06 4793.73 0.14 -0.04	0.030
41.00 -50.56 -0.71 0.00 -84.76 0.00 84.76 4243.64 1137.84 5142.51 4760.94 0.15 -0.04	0.030
42.00 -49.94 -0.71 0.00 -84.05 0.00 84.05 4232.86 1132.92 5098.16 4728.19 0.16 -0.04	0.030
44.00 -48.73 -0.71 0.00 -82.63 0.00 82.63 4211.11 1123.09 5010.03 4662.78 0.18 -0.04	0.029
46.00 -47.53 -0.71 0.00 -81.22 0.00 81.22 4189.10 1113.25 4922.67 4597.51 0.19 -0.04	0.029
48.00 -46.33 -0.71 0.00 -79.80 0.00 79.80 4202.19 1119.08 4974.38 4636.19 0.21 -0.04	0.028
50.00 -45.67 -0.71 0.00 -78.39 0.00 78.39 4180.07 1109.25 4887.33 4570.98 0.23 -0.05	0.028
52.00 -45.02 -0.71 0.00 -76.97 0.00 76.97 4157.69 1099.41 4801.05 4505.91 0.25 -0.05	0.028
54.00 -44.37 -0.71 0.00 -75.55 0.00 75.55 4135.04 1089.58 4715.54 4441.00 0.27 -0.05	0.028
56.00 -43.73 -0.71 0.00 -74.13 0.00 74.13 4112.14 1079.74 4630.79 4376.25 0.29 -0.05	0.028
58.00 -43.09 -0.71 0.00 -72.72 0.00 72.72 4088.97 1069.91 4546.82 4311.67 0.31 -0.05	0.027
60.00 -42.45 -0.71 0.00 -71.30 0.00 71.30 4065.54 1060.07 4463.61 4247.27 0.33 -0.06	0.027
62.00 -41.83 -0.71 0.00 -69.88 0.00 69.88 4041.84 1050.24 4381.17 4183.06 0.36 -0.06	0.027
64.00 -41.20 -0.71 0.00 -68.45 0.00 68.45 4017.89 1040.40 4299.50 4119.03 0.38 -0.06	0.027
66.00 -40.58 -0.71 0.00 -67.03 0.00 67.03 3993.67 1030.57 4218.60 4055.21 0.41 -0.06	0.027
68.00 -39.96 -0.71 0.00 -65.61 0.00 65.61 3969.18 1020.73 4138.47 3991.60 0.43 -0.06	0.027
70.00 -39.35 -0.71 0.00 -64.19 0.00 64.19 3944.44 1010.90 4059.10 3928.21 0.46 -0.07	0.026
72.00 -38.75 -0.71 0.00 -62.77 0.00 62.77 3919.43 1001.06 3980.51 3865.04 0.49 -0.07	0.026
74.00 -38.15 -0.71 0.00 -61.35 0.00 61.35 3894.16 991.23 3902.68 3802.10 0.52 -0.07	0.026
76.00 -37.55 -0.71 0.00 -59.93 0.00 59.93 3868.63 981.39 3825.62 3739.40 0.55 -0.07	0.026
78.00 -36.96 -0.71 0.00 -58.51 0.00 58.51 3842.83 971.56 3749.33 3676.95 0.58 -0.07	0.026
80.00 -36.37 -0.71 0.00 -57.09 0.00 57.09 3816.78 961.72 3673.81 3614.75 0.61 -0.08	0.025
81.00 -36.08 -0.71 0.00 -56.38 0.00 56.38 3803.65 956.81 3636.33 3583.75 0.63 -0.08	0.025
81.00 -36.08 -0.71 0.00 -56.38 0.00 56.38 2964.89 798.43 3038.55 2801.11 0.63 -0.08 82.00 -35.83 -0.71 0.00 -55.67 0.00 55.67 2956.04 704.33 3007.44 3778.34 0.64 0.00	0.032
PA 00 35 33 0.74 0.00 54.05 0.00 0.00 0.00 0.00 0.00 0.	0.032
25.00 35.08 0.71 0.00 53.54 0.00 54.25 2505.10 760.15 2545.70 2752.80 0.66 -0.08	0.032
85.00 -35.08 -0.71 0.00 -53.54 0.00 53.54 2929.08 782.04 2915.07 2710.08 0.69 -0.08	0.032

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CT01501-S-SBA Structure:

TIA-222-H Code:

Site Name: Morris 195.00 (ft) Height:

С Exposure: Crest Height: 0.00 7/13/2023

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Base	Elev:	0.000 (π)		_		-4 01-				Page: 51	Tower Engineer	ring Solutions
Gh:		1.1		Торо	ography:	1 8	Struct Clas	55: II			rage. 51		
96.00	24.64	-0.71	0.00	-52.83	0.00	52.83	2919.97	777.94	2884.60	2687.40	0.71	-0.08	0.032
86.00	-34.64	-0.71	0.00	-51.41	0.00	51.41	2901.54	769.74	2824.14	2642.11	0.75	-0.09	0.031
88.00	-33.77 -32.90	-0.71	0.00	-49.99	0.00	49.99	2882.85	761.55	2764.32	2596.94	0.78	-0.09	0.031
90.00	-32.90	-0.71	0.00	-49.29	0.00	49.29	2898.33	768.33	2813.78	2634.30	0.80	-0.09	0.030
91.00	-32.47	-0.70	0.00	-48.58	0.00	48.58	2889.00	764.23	2783.84	2611.72	0.82	-0.09	0.030
92.00	-32.23	-0.71	0.00	-47.17	0.00	47.17	2870.13	756.03	2724.45	2566.64	0.86	-0.09	0.029
94.00	-31.74	-0.71	0.00	-45.76	0.00	45.76	2851.00	747.84	2665.70	2521.69	0.90	-0.10	0.029
96.00		-0.70	0.00	-44.35	0.00	44.35	2831.61	739.64	2607.60	2476.90	0.94	-0.10	0.029
98.00	-30.78		0.00	-42.94	0.00	42.94	2811.95	731.45	2550.13	2432.25	0.99	-0.10	0.028
100.00	-30.30	-0.70	0.00	-41.53	0.00	41.53	2792.03	723.25	2493.30	2387.76	1.03	-0.10	0.028
102.00	-29.83 -29.36	-0.70	0.00	-40.13	0.00	40.13	2771.85	715.06	2437.12	2343.44	1.07	-0.11	0.028
104.00			0.00	-38.72	0.00	38.72	2751.41	706.86	2381.57	2299.29	1.12	-0.11	0.027
106.00	-28.90		0.00	-37.32	0.00	37.32	2730.70	698.66	2326.66	2255.33	1.17	-0.11	0.027
108.00	-28.44		0.00	-35.92	0.00	35.92	2709.73	690.47	2272.40	2211.55	1.21	-0.12	0.027
110.00	-27.98		0.00	-34.51	0.00	34.51	2688.50	682.27	2218.77	2167.98	1.26	-0.12	0.026
112.00	-27.53	-0.70		-33.11	0.00	33.11	2667.01	674.08	2165.79	2124.61	1.31	-0.12	0.026
114.00	-27.08	-0.70	0.00	-33.71	0.00	31.72	2645.25	665.88	2113.44	2081.45	1.36	-0.12	0.025
116.00	-26.64		0.00		0.00	30.32	2623.23	657.69	2061.74	2038.51	1.42	-0.13	0.025
118.00	-26.20		0.00	-30.32 -28.93	0.00	28.93	2600.95	649.49	2010.67	1995.80	1.47	-0.13	0.024
120.00	-25.76		0.00		0.00	27.53	2578.41	641.29	1960.25	1953.33	1.52	-0.13	0.024
122.00	-25.33		0.00	-27.53	0.00	26.14	2555.60	633.10	1910.47	1911.10	1.58	-0.13	0.023
124.00	-24.90		0.00	-26.14	0.00	24.76	2532.53	624.90	1861.32	1869.12	1.63	-0.14	0.023
126.00	-24.47		0.00	-24.76	0.00	23.37	2509.20	616.71	1812.82	1827.41	1.69	-0.14	0.022
128.00	-24.05		0.00	-23.37	0.00	21.99	2485.60	608.51	1764.96	1785.96	1.75	-0.14	0.022
130.00	-23.64		0.00	-21.99	0.00	20.61	2461.74	600.32	1717.74	1744.78	1.81	-0.14	0.021
132.00	-22.99		0.00	-20.61	0.00	19.23	2437.62	592.12	1671.15	1703.88	1.87	-0.14	0.020
134.00	-22.34		0.00	-19.23	0.00	18.55	1823.78	478.25	1362.76	1289.51	1.90	-0.15	0.026
135.00	-22.03		0.00	-18.55	0.00	17.87	1816.04	474.97	1344.14	1275.17	1.93	-0.15	0.026
136.00	-21.85		0.00	-17.87		16.51	1800.35	468.42	1307.29	1246.57	1.99	-0.15	0.025
138.00	-21.50		0.00	-16.51	0.00 0.00	15.15	1784.40	461.86	1270.94	1218.11	2.05	-0.15	0.024
140.00	-21.16		0.00	-15.15		13.79	1768.19	455.30	1235.12	1189.78	2.12	-0.15	0.023
142.00	-20.81		0.00	-13.79	0.00 0.00	12.44	1751.71	448.75	1199.80	1161.59	2.18	-0.16	0.022
144.00	-20.47		0.00	-12.44		11.76	1743.38	445.47	1182.33	1147.55	2.22	-0.16	0.020
145.00	-17.38		0.00	-11.76	0.00	11.17	1734.98	442.19	1165.00	1133.55	2.25	-0.16	0.020
146.00	-17.22		0.00	-11.17	0.00	10.00	1717.98	435.63	1130.70	1105.67	2.32	-0.16	0.019
148.00	-16.89		0.00	-10.00	0.00 0.00	8.83	1700.71	429.08	1096.92	1077.96	2.38	-0.16	0.018
150.00	-16.56		0.00	-8.83		7.66	1683.19	422.52	1063.66	1050.42	2.45	-0.16	0.017
152.00	-16.24		0.00	-7.66	0.00	6.50	1665.40	415.96	1030.90	1023.06	2.52	-0.16	0.016
154.00	-15.92		0.00	-6.50	0.00	5.91	1656.41	412.69	1014.72	1009.45	2.55	-0.17	0.013
155.00	-11.22		0.00	-5.91	0.00	5.56	1647.35	409.41	998.66	995.89	2.59	-0.17	0.012
156.00	-11.08		0.00	-5.56	0.00	4.85	1629.04	402.85	966.93	968.91	2.66	-0.17	0.012
158.00	-10.81		0.00	-4.85	0.00	4.05	1610.46	396.29	935.71	942.14	2.73	-0.17	0.011
160.00	-10.54		0.00	-4.15	0.00	3.45	1591.62	389.74	905.01	915.58	2.80	-0.17	0.010
162.00	-10.27		0.00	-3.45	0.00	2.75	1572.52	383.18	874.81	889.24	2.87	-0.17	0.009
164.00	-10.01		0.00	-2.75	0.00	2.40	1562.88	379.90	859.91	876.15	2.91	-0.17	0.007
165.00	-6.90		0.00	-2.40	0.00	2.17	1553.16	376.62	845.13	863.13	2.94	-0.17	0.007
166.00	-6.79		0.00	-2.17	0.00	1.71	1533.53	370.07	815.96	837.25	3.01	-0.17	0.006
168.00	-6.57		0.00	-1.71	0.00		1513.65	363.51	787.30	811.61	3.08	-0.17	0.006
170.00	-6.35		0.00	-1.25	0.00	1.25		356.96	759.16	786.22	3.16	-0.17	0.005
172.00	-6.13		0.00	-0.79	0.00	0.79	1493.49 1473.08	350.40	731.53	761.10	3.23	-0.17	0.004
174.00	-5.92		0.00	-0.33	0.00	0.33		347.12	717.90	748.63	3.26	-0.17	0.001
175.00	-1.84		0.00	-0.11	0.00	0.11	1462.77	347.12	704.41	736.23	3.30	-0.17	0.001
176.00	-1.75	-0.01	0.00	-0.10	0.00	0.10	1452.40	343.84	677.80	709.84	3.37	-0.17	0.001
178.00	-1.58		0.00	-0.08	0.00	80.0	1427.84		651.70	682.38	3.44	-0.17	0.001
180.00	-1.41	-0.01	0.00	-0.06	0.00	0.06	1400.09	330.73	730.60	763.99	3.44	-0.17	0.001
180.00	-1.41		0.00	-0.06	0.00	0.06	1571.64	371.25 371.25	730.60	763.99	3.52	-0.17	0.001
182.00	-1.22		0.00	-0.05	0.00	0.05	1571.64	371.25 371.25	730.60	763.99	3.59	-0.17	0.001
184.00	-1.03	-0.01	0.00	-0.03	0.00	0.03	1571.64				0.00		
				0	-i-bt @ 2022	by Tower End	rineerina Salı	unons LLC	J. All riants	reservea.			

Structure: CT01501-S-SBA

Site Name: Morris Height:

195.00 (ft)

Base Elev: 0.000 (ft)

Code:

TIA-222-H

Exposure: С Crest Height: 0.00

Site Class:

D - Stiff Soil

7/13/2023

Gh:		1.1		Тор	ography:	1		Struct Clas	ss:			Page: 52	Tower Engineer	ring Solutions
186.00	-0.85	0.00	0.00	-0.02	0.00		0.02	1571.64	371.25	730.60	763.99	3.66	-0.17	0.001
188.00	-0.66	0.00	0.00	-0.01	0.00		0.01	1571.64	371.25	730.60	763.99	3.73	-0.17	0.000
190.00	-0.47	0.00	0.00	-0.01	0.00		0.01	1571.64	371.25	730.60	763.99	3.80	-0.17	0.000
192.00	-0.28	0.00	0.00	0.00	0.00		0.00	1571.64	371.25	730.60	763.99	3.88	-0.17	0.000
194.00	-0.09	0.00	0.00	0.00	0.00		0.00	1571.64	371.25	730.60	763.99	3.95	-0.17	0.000
195.00	0.00	0.00	0.00	0.00	0.00		0.00	1571.64	371.25	730.60	763.99	3.98	-0.17	0.000

Seismic Segment Forces (Factored)

CT01501-S-SBA Structure:

1.1

Code:

7/13/2023

Site Name: Morris

Exposure:

TIA-222-H

Height:

195.00 (ft)

Crest Height: 0.00

Struct Class: ||

Gh:

Base Elev: 0.000 (ft)

Site Class:

Tower Engineering Solutions Page: 53

((報))

Load Case: 0.9D + 1.0Ev + 1.0Eh

D - Stiff Soil

Iterations 27 Ss

Gust Response Factor

0.20 Sds

0.18

Dead Load Factor

0.90 Seismic Load Factor

Topography: 1

0.09 1.00 Sd1

0.05 S1

Wind Load Factor

0.00 Structure Frequency (f1)

0.26

С

0.02 Seismic Importance Factor SA

1.00

Top				Vertical	Lateral	
Top Elev		Wz	Hz	Ev	Fs	D. 450
(ft)	Description	(lb)	(lb)	(lb)	(lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	
2.00		605.85	1.00	23.78	0.00	
4.00		602.03	3.00	23.63	0.00	
6.00		598.22	5.00	23.48	0.01	
8.00		594.40	7.00	23.33	0.01	
10.00		590.59	9.00	23.18	0.02	
12.00		586.78	11.00	23.03	0.03	
14.00		582.96	13.00	22.88	0.04	
16.00		579.15	15.00	22.73	0.05	
18.00		575.34	17.00	22.58	0.06	
20.00		571.52	19.00	22.43	0.07	
22.00		567.71	21.00	22.28	0.09	
24.00		563.89	23.00	22.13	0.11	
26.00		560.08	25.00	21.99	0.12	
28.00		556.27	27.00	21.84	0.14	
30.00		552.45	29.00	21.69	0.16	
32.00		548.64	31.00	21.54	0.18	
34.00		544.83	33.00	21.39	0.20	
36.00		541.01	35.00	21.24	0.23	
38.00		537.20	37.00	21.09	0.25	
40.00		533.38	39.00	20.94	0.27	
	3ot - Section 2	265.26	40.50	10.41	0.07	
41.00 E 42.00	30t - 36ction 2	487.49	41.50	19.14	0.26	
		969.25	43.00	38.05	1.10	
44.00 46.00		961.62	45.00	37.75	1.18	
	For Costion 1	953.99	47.00	37.45	1.27	
	Fop - Section 1	520.39	49.00	20.43	0.41	
50.00		516.58	51.00	20.28	0.44	
52.00		512.76	53.00	20.13	0.47	
54.00		508.95	55.00	19.98	0.50	
56.00		505.14	57.00	19.83	0.52	
58.00		501.32	59.00	19.68	0.55	
60.00		497.51	61.00	19.53	0.58	
62.00		493.69	63.00	19.38	0.61	
64.00		489.88	65.00	19.23	0.64	
66.00		486.07	67.00	19.08	0.67	
68.00		482.25	69.00	18.93	0.70	
70.00			71.00	18.78	0.73	
72.00		478.44 474.63	73.00	18.63	0.76	
74.00		474.63 470.81	75.00	18.48	0.79	
76.00			77.00	18.33	0.82	
78.00		467.00	79.00	18.18	0.85	
80.00		463.18	80.50	9.03	0.22	
	Top - Section 2	230.16		7.79	0.17	
82.00		198.58	81.50	15.50	0.68	
84.00		394.78	83.00		0.17	
85.00 E	Bot - Section 4	196.20	84.50	7.70	0.17	

Seismic Segment Forces (Factored)

Structure: CT01501-S-SBA

Code:

TIA-222-H

Site Name: Morris

Exposure:

С

7/13/2023 (((井)))

Heig	ht:	195.00 (ft)		Cres	t Height:	0.00	
Base	Elev:	0.000 (ft)			Class:	D - Stiff Soil	
Gh:		1.1	Topography: 1		ct Class:		Page: 54
86.00			348.74	85.50	13.69	0.56	
88.00			692.72	87.00	27.19	2.30	
90.00			686.36	89.00	26.94	2.36	
91.00	Top - S	Section 3	340.80	90.50	13.38	0.60	
92.00			192.74	91.50	7.57	0.20	
94.00			383.10	93.00	15.04	0.80	
96.00			379.93	95.00	14.91	0.82	
98.00			376.75	97.00	14.79	0.84	
100.00			373.57	99.00	14.66	0.86	
102.00			370.39	101.00	14.54	0.88	
104.00			367.21	103.00	14.41	0.90	
106.00			364.03	105.00	14.29	0.92	
108.00			360.86	107.00	14.16	0.94	
110.00			357.68	109.00	14.04	0.96	
112.00			354.50	111.00	13.92	0.98	
114.00			351.32	113.00	13.79	1.00	
116.00			348.14	115.00	13.67	1.01	
118.00			344.97	117.00	13.54	1.03	
120.00			341.79	119.00	13.42	1.05	
122.00			338.61	121.00	13.29	1.06	
124.00			335.43	123.00	13.17	1.08	
126.00			332.25	125.00	13.04	1.09	
128.00			329.08	127.00	12.92	1.10	
130.00	Bot - Se	ection 5	325.90	129.00	12.79	1.12	
132.00			513.26	131.00	20.15	2.86	
134.00			507.54	133.00	19.92	2.88	
135.00	Top - S	ection 4	251.62	134.50	9.88	0.72	
136.00	·		136.58	135.50	5.36	0.22	
138.00			271.25	137.00	10.65	0.87	
140.00			268.71	139.00	10.55	0.88	
142.00			266.17	141.00	10.45	0.89	
144.00			263.63	143.00	10.35	0.90	
145.00	Appurte	enance(s)	2489.9	144.50	97.74	81.81	
146.00			128.43	145.50	5.04	0.22	
148.00			254.96	147.00	10.01	0.89	
150.00			252.41	149.00	9.91	0.89	
152.00			249.87	151.00	9.81	0.90	
154.00			247.33	153.00	9.71	0.90	
155.00	Appurte	enance(s)	3786.6	154.50	148.64	216.30	
156.00			107.89	155.50	4.24	0.18	
158.00			213.88	157.00	8.40	0.71	
160.00			211.33	159.00	8.30	0.71	
162.00			208.79	161.00	8.20	0.71	
164.00			206.25	163.00	8.10	0.71	
165.00	Appurte	enance(s)	2509.1	164.50	98.49	107.67	
166.00			88.06	165.50	3.46	0.13	
168.00			174.22	167.00	6.84	0.53	
170.00			171.67	169.00	6.74	0.53	
172.00			169.13	171.00	6.64	0.53	
174.00			166.59	173.00	6.54	0.52	
175.00	Appurte	enance(s)	3293.8	174.50	129.30	208.78	
176.00			70.42	175.50	2.76	0.10	
178.00			138.93	177.00	5.45	0.38	
180.00	Top - S	ection 5	136.39	179.00	5.35	0.38	
182.00			150.83	181.00	5.92	0.47	
184.00			150.83	183.00	5.92	0.48	
186.00			150.83	185.00	5.92	0.49	
			_		·	-	

Seismic Segment Forces (Factored) 7/13/2023 TIA-222-H Code: CT01501-S-SBA ((HI)) Structure: С Exposure: Site Name: Morris Crest Height: 0.00 195.00 (ft) Height: D - Stiff Soil Site Class: 0.000 (ft) Base Elev: Page: 55 Struct Class: II Topography: 1 1.1 Gh: 187.00 5.92 0.50 150.83 188.00 5.92 0.51 189.00 150.83 190.00 0.52 150.83 191.00 5.92 192.00 0.54 5.92 150.83 193.00 194.00 2.96 0.14

2,033.4

680.1

35,522.4

Total Wind:

194.50

75.42

51,801.4

Totals:

195.00

Structure: CT01501-S-SBA

Code:

TIA-222-H

7/13/2023

Height:

Site Name: Morris

195.00 (ft)

Exposure:

Site Class:

С

Crest Height: 0.00

D - Stiff Soil

Tower Engineering Solutions

Base Elev: 0.000 (ft)

Gh:

1.1

Topography: 1

Struct Class: ||

Page: 56

Load Case: 0.9D + 1.0Ev + 1.0Eh **Iterations** 27 **Gust Response Factor Sds** 0.20 0.18 **Dead Load Factor** 0.90 Seismic Load Factor 1.00 **Sd1** 0.09 **S1** 0.05 Wind Load Factor 0.00 Structure Frequency (f1) 0.02 Seismic Importance Factor 0.26 SA 1.00

						a.o.roquen	-, (,	0.20	5A 0.0	Z OCIS	mic mit	ontance	actor	1.00
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Sway	Rotation Twist	Stress
0.00	-49.39	-0.68	0.00	-111.86	0.00	111.86	4628.91	1339.45	7126.38	6119.66	(iii)	(deg)	(deg)	Ratio
2.00	-48.81	-0.68	0.00	-110.50	0.00	110.50	4612.68	1329.62	7022.11	6053,16		0.00	0.00	0.029
4.00	-48.23	-0.68	0.00	-109.14	0.00	109.14	4596.18	1319.78	6918.62	5986.64		0.00	0.00	0.029
6.00	-47.66	-0.68	0.00	-107.78	0.00	107.78	4579.43	1309.95	6815.89	5920.10		0.00	0.00	0.029
8.00	-47.10	-0.68	0.00	-106.41	0.00	106.41	4562.40	1300.11	6713.93	5853.55		0.00	0.00	0.029
10.00	-46.53	-0.69	0.00	-105.05	0.00	105.05	4545.12	1290.28	6612.74	5787.00		0.01	-0.01 -0.01	0.029
12.00	-45.97	-0.69	0.00	-103.68	0.00	103.68	4527.57	1280.44	6512.31	5720.46		0.01		0.028
14.00	-45.42	-0.69	0.00	-102.30	0.00	102.30	4509.77	1270.61	6412.66	5653.92		0.01	-0.01 -0.01	0.028
16.00	-44.86	-0.69	0.00	-100.93	0.00	100.93	4491.69	1260.77	6313.77	5587.41		0.02		0.028
18.00	-44.32	-0.69	0.00	-99.55	0.00	99.55	4473.36	1250.94	6215.65	5520.93		0.02	-0.01	0.028
20.00	-43.77	-0.69	0.00	-98.17	0.00	98.17	4454.76	1241.10	6118.30	5454.49		0.03	-0.01	0.028
22.00	-43.23	-0.69	0.00	-96.79	0.00	96.79	4435.90	1231.27	6021.72	5388.08		0.03	-0.02	0.028
24.00	-42.69	-0.69	0.00	-95.41	0.00	95.41	4416.78	1221.43	5925.90	5321.73		0.04	-0.02 -0.02	0.028
26.00	-42.15	-0.69	0.00	-94.02	0.00	94.02	4397.40	1211.60	5830.86	5255.44		0.06		0.028
28.00	-41.62	-0.70	0.00	-92.63	0.00	92.63	4377.75	1201.76	5736.58	5189.22		0.00	-0.02	0.027
30.00	-41.09	-0.70	0.00	-91.24	0.00	91.24	4357.84	1191.93	5643.07	5123.07		0.07	-0.02 -0.03	0.027
32.00	-40.57	-0.70	0.00	-89.85	0.00	89.85	4337.67	1182.09	5550.33	5057.01		0.09	-0.03 -0.03	0.027
34.00	-40.05	-0.70	0.00	-88.46	0.00	88.46	4317.23	1172.26	5458.36	4991.03		0.09	-0.03 -0.03	0.027
36.00	-39.53	-0.70	0.00	-87.06	0.00	87.06	4296.53	1162.42		4925.16		0.10	-0.03 -0.03	0.027
38.00	-39.02	-0.70	0.00	-85.67	0.00	85.67	4275.57	1152.59	5276.73	4859.38		0.11	-0.03 -0.03	0.027 0.027
40.00	-38.51	-0.70	0.00	-84.27	0.00	84.27	4254.35	1142.76	5187.06	4793.73		0.13	-0.03	0.027
41.00	-38.26	-0.70	0.00	-83.57	0.00	83.57	4243.64	1137.84	5142.51	4760.94		0.15	-0.04	0.027
42.00	-37.79	-0.70	0.00	-82.87	0.00	82.87	4232.86	1132.92	5098.16	4728.19		0.16	-0.04	0.027
44.00	-36.87	-0.70	0.00	-81.47	0.00	81.47	4211.11	1123.09	5010.03	4662.78		0.17	-0.04	0.026
46.00	-35.96	-0.70	0.00	-80.07	0.00	80.07	4189.10	1113.25	4922.67	4597.51		0.19	-0.04	0.026
48.00	-35.06	-0.70	0.00	-78.67	0.00	78.67	4202.19	1119.08	4974.38	4636.19		0.21	-0.04	0.025
50.00	-34.56	-0.70	0.00	-77.27	0.00	77.27	4180.07	1109.25	4887.33	4570.98		0.23	-0.04	0.025
52.00	-34.07	-0.70	0.00	-75.87	0.00	7 5.87	4157.69	1099.41	4801.05	4505.91		0.25	-0.04	0.025
54.00	-33.58	-0.70	0.00	-74.47	0.00	74.47	4135.04	1089.58	4715.54	4441.00		0.27	-0.05	0.025
56.00	-33.09	-0.70	0.00	-73.07	0.00	73.07	4112.14	1079.74	4630.79	4376.25		0.29	-0.05	0.025
58.00	-32.61	-0.70	0.00	-71.67	0.00	71.67	4088.97	1069.91	4546.82	4311.67		0.31	-0.05	0.025
60.00	-32.13	-0.70	0.00	-70.27	0.00	70.27	4065.54	1060.07	4463.61	4247.27		0.33	-0.05	0.023
62.00	-31.65	-0.70	0.00	-68.87	0.00	68.87	4041.84	1050.24	4381.17	4183.06		0.35	-0.06	0.024
64.00	-31.18	-0.70	0.00	-67.47	0.00	67.47	4017.89	1040.40	4299.50	4119.03		0.38	-0.06	0.024
66.00	-30.71	-0.70	0.00	-66.07	0.00	66.07	3993.67	1030.57	4218.60	4055.21		0.40	-0.06	0.024
68.00	-30.24	-0.70	0.00	-64.67	0.00	64.67	3969.18	1020.73	4138.47	3991.60		0.43	-0.06	0.024
70.00	-29.78	-0.70	0.00	-63.27	0.00	63.27	3944.44	1010.90	4059.10	3928.21		0.46	-0.06	0.024
72.00	-29.32	-0.70	0.00	-61.87	0.00	61.87	3919.43	1001.06	3980.51	3865.04		0.48	-0.07	0.024
74.00	-28.87	-0.70	0.00	-60.47	0.00	60.47	3894.16	991.23	3902.68	3802.10		0.51	-0.07	0.023
76.00	-28.42	-0.70	0.00	-59.07	0.00	59.07	3868.63	981.39	3825.62	3739.40		0.54	-0.07	0.023
78.00	-27.97	-0.70	0.00	-57.67	0.00	57.67	3842.83	971.56	3749.33	3676.95		0.57	-0.07	0.023
80.00	-27.53	-0.70	0.00	-56.27	0.00	56.27	3816.78	961.72	3673.81	3614.75		0.60	-0.07	0.023
81.00	-27.30	-0.70	0.00	-55.57	0.00	55.57	3803.65	956.81	3636.33	3583.75		0.62	-0.08	0.023
81.00	-27.30	-0.70	0.00	-55.57	0.00	55.57	2964.89	798.43	3038.55	2801.11		0.62 0.62	-0.08 -0.08	0.023
82.00	-27.11	-0.70	0.00	-54.88	0.00	54.88	2956.04	794.33	3007.44	2778.31		0.64 0.64	-0.08 -0.08	0.029
84.00	-26.73	-0.70	0.00	-53.48	0.00	53.48	2938.13	786.13	2945.70	2732.80		0.6 7	-0.08	0.029
85.00	-26.55	-0.70	0.00	-52.78	0.00	52.78	2929.08	782.04				0.69	-0.08	0.029
						hy Towar Engir				_, ,5,00	,	3.00	-0.00	0.029

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Code: CT01501-S-SBA Structure:

TIA-222-H

7/13/2023

Morris Site Name: 195.00 (ft) Height:

Base Elev:

0.000(ft)

C Exposure: Crest Height: 0.00

Site Class: D - Stiff Soil Tower Engineering Solutions

((H)))

Page: 57 Struct Class: Ш Topography: 1 1.1 Gh: 0.028 -0.08 2884.60 2687.40 0.70 777.94 2919.97 52.08 0.00 0.00 -52.08 -0.7086.00 -26.21 0.028 -0.09 0.74 2824.14 2642.11 2901.54 769.74 50.68 -0.70 0.00 -50.68 0.00 88.00 -25.550.028 -0.09 0.77 2596.94 2764.32 49.29 2882.85 761.55 -49.29 0.00 -0.69 0.00 -24.9090.00 -0.09 0.027 0.79 2813.78 2634.30 768.33 48.60 2898.33 0.00 -48.60 -0.69 0.00 91.00 -24.58 -0.09 0.027 2783.84 2611.72 0.81 764.23 47.90 2889.00 -47 90 0.000.00 -24.39 -0.6992 00 0.026 -0.09 0.852566.64 756.03 2724.45 2870.13 46.51 0.00 -0.69 0.00 -46.5194.00 -24.02 -0.100.026 0.89 2665.70 2521.69 747.84 2851.00 45.13 -45.13 0.00 0.00 96.00 -23.66 -0.69 -0.10 0.026 0.93 2607.60 2476.90 2831.61 739.64 43.74 -43.74 0.00 0.00 98.00 -23.29-0.690.026 -0.10 0.97 2432.25 2811.95 731.45 2550.13 42 35 0.00 -42.350.00 -0.69100.00 -22.930.025 -0.101.02 2387.76 723.25 2493.30 40.97 2792.03 -40.97 0.00 -0.690.00 102.00 -22.580.025 1.06 -0.112343.44 715.06 2437.12 39.58 2771.85 0.00 -39.58 -0.69 0.00 -22 22 104.00 0.025 -0.112381.57 2299.29 1.10 706.86 2751.41 0.00 38.20 0.00 -38.20-0.69 -21.87 106.00 -0.11 0.024 2255.33 1.15 698.66 2326.66 2730.70 36.82 0.00 0.00 -36.82-21.52 -0.69108 00 -0.110.024 2211.55 1 20 690.47 2272.40 2709.73 35.44 -35.44 0.00 -21.18 -0.69 0.00 110.00 0.023 1.25 -0.122688.50 682.27 2218.77 2167.98 34.06 -34.06 0.00 0.00 112.00 -20.84-0.69-0.12 0.023 1.29 2667.01 674.08 2165.79 2124.61 32.68 -32.68 0.00 0.00 -20.50 -0.69114.00 0.023 -0.121.34 665.88 2113.44 2081.45 31.31 2645.25 0.00 0.00 -31.31 -0.69-20.16116.00 0.022 -0.121.40 2061.74 2038.51 29.93 2623.23 657.69 -29.93 0.00 0.00 -0.69118.00 -19.830.022 -0.13 2010.67 1995.80 1.45 649.49 2600.95 0.0028.56 -28.56 -0.69 0.00 120.00 -19.500.021 -0.131.50 1960.25 1953.33 641.29 2578.41 27.19 0.00 -27.190.00 -0.68 -19.17122,00 -0.13 0.021 1911.10 1.56 633.10 1910.47 25.82 2555.60 0.00 -18.85 -0.680.00 -25.82 124.00 0.020 -0.13624.90 1861.32 1869.12 1.61 2532.53 24.45 0.00 -24.45126.00 -18.53 -0.680.00 0.020 -0.141.67 616.71 1812.82 1827.41 2509.20 0.00 -23.09 0.00 23.09 -0.68128.00 -18.21-0.14 0.019 1.73 608.51 1764.96 1785.96 2485.60 21.73 0.00 0.00 -21.73 -0.68-17.90130.00 -0.140.019 1.78 1717.74 1744.78 20.37 2461.74 600.32 0.00 0.00 -20.37-0.68 132.00 -17.40-0.140.018 1671.15 1703.88 1.84 592.12 2437.62 19.01 -19.01 0.00-0.67 0.00 134.00 -16.92 0.023 -0.141.87 1362.76 1289.51 478.25 1823.78 18.34 -18.34 0.00 -0.67 0.00 -16.68 135.00 -0.14 0.023 1344.14 1275.17 1.90 474 97 17.67 1816.04 0.00 -16.55 -0.670.00 -17.67136.00 -0.15 0.022 1.96 468.42 1307.29 1246.57 16.32 1800.35 0.00 -16.32138.00 -16.28 -0.670.00 0.021 -0.15 2.03 1270.94 1218.11 1784.40 461 86 0.00 14.98 -14.98 -0.670.00 140.00 -16.020.020 -0.152.09 1235.12 1189.78 1768.19 455.30 13.64 -13.64 0.00 0.00 -15.76 -0.67142.00 -0.15 0.019 2.15 1161.59 1751.71 448.75 1199.80 12.30 0.00 -12.300.00 -15.51 -0.67144.00 0.018 2.19 -0.15 1147.55 1182.33 445.47 11.63 1743.38 0.00 -11.630.00 -13.16 -0.58145.00 0.017 2.22 -0.161165.00 1133.55 1734.98 442.19 11.05 -0.58 0.00 -11.05 0.00 146.00 -13.04 0.016 -0.161105.67 2.28 435.63 1130.70 1717.98 9.89 -0.58 0.00 -9.890.00 -12.79148.00 -0.160.015 2.35 429 08 1096.92 1077.96 8.73 1700.71 0.00 -12.54 -0.580.00 -8.73150.00 -0.16 0.015 2.42 422.52 1063.66 1050.42 7.57 1683.19 0.00 0.00 -7.57152.00 -12.30-0.580.014 -0.16 2.49 1023.06 415.96 1030.90 1665 40 6.42 0.00 -6.42-0.580.00 -12.06154.00 0.011 2.52 -0.16 412.69 1014.72 1009.45 1656.41 5.85 0.00 -5.85-0.350.00 155.00 -8.50 2.55 -0.160.011 995.89 998.66 5.50 1647.35 409.41 -5.50 0.00 -0.350.00156.00 -8.400.010 968 91 2.62 -0.16402.85 966.93 4.80 1629.04 -4.800.00 0.00 -0.35158.00 -8.19 0.009 942.14 2.69 -0.17935.71 1610.46 396.29 4.10 0.00 -0.35 0.00 -4.10160.00 -7.99 0.009 2.76 -0.17905 01 915.58 1591.62 389.74 3.41 -0.35 0.00 -3.410.00 -7.78 162.00 0.008 -0.172.83 889.24 383.18 874 81 2.72 1572.52 0.00 -2.72-7.58 -0.340.00 164.00 0.006 -0.172.87 859.91 876.15 379.90 2.37 1562.88 0.00 -2.37-0.230.00 165.00 -5.220.006 -0.17 2.90 845.13 863.13 376.62 2.14 1553.16 -2.140.00 0.00 -0.23-5.14166.00 -0.17 0.005 2 97 837.25 1533.53 370.07 815.96 0.00 1.68 -4.97 -0.230.00 -1.68168.00 3.04 -0.170.005 787.30 811.61 1513.65 363.51 1.23 0.00 -1.23170.00 -4.81 -0.230.00 -0.170.004 3.11 759.16 786.22 1493.49 356.96 0.77 -0.770.00 0.00 -0.23172.00 -4.650.003 -0.173.18 350.40 731.53 761.10 1473.08 0.32 -0.320.00 -0.230.00-4.49 174.00 0.001 -0.17748.63 3.22 717.90 0.09 1462.77 347.12 0.00 -0.010.00 -0.09175.00 -1.39 0.001 3.26 -0.17704.41 736.23 1452.40 343.84 0.08 0.00 -0.08 -0.01 0.00 176.00 -1.330.001 -0.17677.80 709.84 3.33 1427.84 337.29 0.07 0.00 -0.07 -0.01 0.00 178.00 -1.200.001 -0.17682.38 3.40 1400.09 330.73 651.70 0.05 0.000.00 -0.05 -1.07 -0.01 180.00 3.40 -0.17 0.001 763.99 371.25 730.60 1571.64 0.05 0.00 -0.05 -1.07 -0.01 0.00 180.00 0.001 3.47 -0.17763.99 371.25 730.60 1571.64 0.04 -0.04 0.00 0.00 -0.01 182.00 -0.930.001 3.54 -0.17730.60 763.99 1571.64 371.25 0.03 0.00 0.00 -0.03-0.78 0.00 184.00

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Structure: CT01501-S-SBA

Site Name: Morris Height:

195.00 (ft)

Base Elev: 0.000 (ft)

Code: TIA-222-H

Exposure: С Crest Height: 0.00

Site Class:

D - Stiff Soil

7/13/2023 ((CH)) ES

Gh:		1.1		Тор	ography:	1		Struct Clas	ss: II			Page: 58	Tower Engineer	ring Solutions
186.00	-0.64	0.00	0.00	-0.02	0.00		0.02	1571.64	371.25	730.60	763.99	3.61	-0.17	0.000
188.00	-0.50	0.00	0.00	-0.01	0.00		0.01	1571.64	371.25	730.60	763.99	3.68	-0.17	0.000
190.00	-0.36	0.00	0.00	-0.01	0.00		0.01	1571.64	371.25	730.60	763.99	3.75	-0.17	0.000
192.00	-0.21	0.00	0.00	0.00	0.00		0.00	1571.64	371.25	730.60	763.99	3.82	-0.17	0.000
194.00	-0.07	0.00	0.00	0.00	0.00		0.00	1571.64	371.25	730.60	763.99	3.90	-0.17	0.000
195.00	0.00	0.00	0.00	0.00	0.00		0.00	1571.64	371.25	730.60	763.99	3.93	-0.17	0.000

Wind Loading - Shaft

CT01501-S-SBA Structure:

TIA-222-H Code: С

7/13/2023

Site Name: Morris

Exposure: Crest Height: 0.00 ((州))

Height:

195.00 (ft)

D - Stiff Soil Site Class:

Base Elev: 0.000 (ft) Gh: 1.1

Topography: 1

Struct Class: ||

Page: 59

Load Case: 1.0D + 1.0W 60 mph Wind

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

!terations

30

Elev (ft) De:	scription	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)
(1.7)		1.00	0.85	6.430	7.07	296.68	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
0.00		1.00	0.85	6.430	7.07	294.51	0.730	0.000	2.00	10.876	7.94	56.2	0.0	517.5
2.00		1.00	0.85	6.430	7.07	292.35	0.730	0.000	2.00	10.796	7.88	55.7	0.0	513.7
4.00		1.00	0.85	6.430	7.07	290.18	0.730	0.000	2.00	10.717	7.82	55.3	0.0	509.9
6.00		1.00	0.85	6.430	7.07	288.02	0.730	0.000	2.00	10.637	7.76	54.9	0.0	506.1
8.00		1.00	0.85	6.430	7.07	285.85	0.730	0.000	2.00	10.557	7.71	54.5	0.0	502.3
10.00		1.00	0.85	6.430	7.07	283.69	0.730	0.000	2.00	10.478	7.65	54.1	0.0	498.4
12.00		1.00	0.85	6.430	7.07	281.52	0.730	0.000	2.00	10.398	7.59	53.7	0.0	494.6
14.00		1.00	0.86	6.509	7.16	281.07	0.730	0.000	2.00	10.318	7.53	53.9	0.0	490.8
16.00			0.88	6.672	7.34	282.37	0.730	0.000	2.00	10.239	7.47	54.9	0.0	487.0
18.00		1.00	0.90	6.822	7.50	283.29	0.730	0.000	2.00	10.159	7.42	55.7	0.0	483.2
20.00		1.00	0.92	6.960	7.66	283.90	0.730	0.000	2.00	10.079	7.36	56.3	0.0	479.4
22.00		1.00	0.94	7.089	7.80	284.23	0.730	0.000	2.00	9.999	7.30	56.9	0.0	475.6
24.00		1.00		7.209	7.93	284.34	0.730	0.000	2.00	9.920	7.24	57.4	0.0	471.7
26.00		1.00	0.95	7.323	8.06	284.26	0.730	0.000	2.00	9.840	7.18	57.9	0.0	467.9
28.00		1.00	0.97	7.430	8.17	284.00	0.730	0.000	2.00	9.760	7.13	58.2	0.0	464.1
30.00		1.00	0.98	7.532	8.28		0.730	0.000	2.00	9.681	7.07	58.5	0.0	460.3
32.00		1.00	1.00	7.628	8.39		0.730	0.000	2.00	9.601	7.01	58.8	0.0	456.5
34.00		1.00	1.01	7.721	8.49		0.730	0.000	2.00		6.95	59.0	0.0	452.7
36.00		1.00	1.02		8.59		0.730	0.000	2.00	9.442	6.89		0.0	448.9
38.00		1.00	1.03	7.809	8.68		0.730	0.000	2.00		6.83	59.3	0.0	445.0
40.00		1.00	1.04	7.894	8.73		0.730	0.000	1.00		3.40		0.0	221.1
41.00 Bot - Se	ction 2	1.00	1.05	7.935			0.730	0.000	1.00		3.43			443.3
42.00		1.00	1.05	7.975	8.77		0.730	0.000	2.00		6.81			880.9
44.00		1.00	1.06	8.054	8.86		0.730	0.000	2.00		6.75			873.3
46.00		1.00	1.07	8.130	8.94		0.730	0.000	2.00		6.69			865.7
48.00 Top - Se	ection 1	1.00	1.08	8.203	9.02		0.730	0.000	2.00	9.091	6.64			432.1
50.00		1.00	1.09	8.273	9.10			0.000	2.00		6.58			428.2
52.00		1.00	1.10	8.342	9.18		0.730	0.000	2.00		6.52			424.4
54.00		1.00	1.11	8.409	9.25		0.730	0.000	2.00		6.46			420.6
56.00		1.00	1.12	8.473	9.32		0.730	0.000	2.00		6.40			416.8
58.00		1.00	1.13	8.536	9.39				2.00		6.35			413.0
60.00		1.00	1.14	8.597	9.46		0.730	0.000	2.00		6.29			409.2
62.00		1.00	1.14	8.657	9.52			0.000			6.23			405.4
64.00		1.00	1.15	8.715	9.59			0.000	2.00		6.17			401.5
66.00		1.00	1.16	8.771	9.65		0.730	0.000			6.11			397.
68.00		1.00	1.17	8.827	9.71			0.000			6.05			393.9
70.00		1.00	1.17	8.881	9.77			0.000	2.00		6.00			390.
72.00		1.00	1.18	8.934	9.83			0.000						386.
74.00		1.00	1.19		9.88	260.07		0.000	2.00		5.94			382.
76.00		1.00	1.19		9.94		0.730	0.000			5.88			378.
78.00		1.00	1.20	9.085	9.99		0.730	0.000			5.82			374.8
80.00		1.00	1.21	9.134			0.730				5.76			186.0
81.00 Top - Se	ection 2	1.00	1.21	9.158	10.07	253.51	0.730	0.000			2.86			154.
82.00		1.00	1.21	9.182	10.10	252.55	0.730	0.000			2.85			306.
84.00		1.00	1.22	9.228	10.15		0.730				5.65			152.
85.00 Bot - Se	ection 4	1.00	1.22	9.251	10.18	249.61	0.730	0.000			2.80			
86.00		1.00	1.23		10.20	248.61	0.730	0.000	1.00	3.871	2.83	28.8	0.0	304.

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Wind Loading - Shaft

Structure: CT01501-S-SBA

Site Name: Morris Height: 195.00 (ft)

Base Elev: 0.000 (ft)

Code: TIA-222-H

Exposure: С Crest Height: 0.00

Site Class:

D - Stiff Soil



7/13/2023

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Gh: 1.1		Topography	/ : 1	St	truct Ci	lass:				Page: 60	Tower E	Engineering Solution
88.00	1.00	1.23 9.319	10.25	246.6	0.730	0.000	2.00	7.682	5.61	57.5	0.0	604.4
90.00	1.00	1.24 9.363	10.30	244.58		0.000	2.00		5.55	57.2	0.0	598.0
91.00 Top - Section 3	1.00	1.24 9.385	10.32	243.56		0.000	1.00	3.771	2.75	28.4	0.0	296.6
92.00	1.00	1.24 9.407	10.35	246.00		0.000	1.00	3.752	2.74	28.3	0.0	148.6
94.00	1.00	1.25 9.449	10.39		0.730	0.000	2.00	7.443	5.43	56.5	0.0	294.8
96.00	1.00	1.25 9.491	10.44	241.85		0.000	2.00	7.364	5.38	56.1	0.0	
98.00	1.00	1.26 9.533	10.49	239.74		0.000	2.00	7.284	5.32	55.8		291.6
100.00	1.00	1.27 9.573	10.53		0.730	0.000	2.00	7.204	5.26	55.6 55.4	0.0	288.4
102.00	1.00	1.27 9.613	10.57		0.730	0.000	2.00	7.125			0.0	285.2
104.00	1.00	1.28 9.653	10.62	233.28		0.000	2.00	7.125	5.20	55.0	0.0	282.1
106.00	1.00	1.28 9.691	10.66	231.09		0.000	2.00	6.965	5.14	54.6	0.0	278.9
108.00	1.00	1.29 9.730	10.70	228.88		0.000			5.08	54.2	0.0	275.7
110.00	1.00	1.29 9.767	10.74	226.65			2.00	6.886	5.03	53.8	0.0	272.5
112.00	1.00	1.30 9.804	10.78	224.41		0.000	2.00	6.806	4.97	53.4	0.0	269.3
114.00	1.00	1.30 9.841	10.78	222.15		0.000	2.00	6.726	4.91	53.0	0.0	266.2
116.00	1.00	1.31 9.877	10.86			0.000	2.00	6.646	4.85	52.5	0.0	263.0
118.00	1.00	1.31 9.913	10.90	219.87		0.000	2.00	6.567	4.79	52.1	0.0	259.8
120.00	1.00			217.58		0.000	2.00	6.487	4.74	51.6	0.0	256.6
122.00	1.00		10.94	215.27		0.000	2.00	6.407	4.68	51.2	0.0	253.4
124.00	1.00		10.98	212.95		0.000	2.00	6.328	4.62	50.7	0.0	250.3
126.00		1.32 10.017	11.02	210.61		0.000	2.00	6.248	4.56	50.3	0.0	247.1
128.00	1.00	1.33 10.051	11.06	208.25		0.000	2.00	6.168	4.50	49.8	0.0	243.9
130.00 Bot - Section 5	1.00	1.33 10.084	11.09	205.89		0.000	2.00	6.089	4.44	49.3	0.0	240.7
132.00	1.00	1.34 10.117	11.13	203.51		0.000	2.00	6.009	4.39	48.8	0.0	237.6
134.00	1.00	1.34 10.150	11.16	201.11		0.000	2.00	6.014	4.39	49.0	0.0	424.9
	1.00	1.35 10.182	11.20	198.71		0.000	2.00	5.934	4.33	48.5	0.0	419.2
135.00 Top - Section 4	1.00	1.35 10.198	11.22	197.50		0.000	1.00	2.937	2.14	24.1	0.0	207.5
136.00	1.00	1.35 10.214	11.23	199.19		0.000	1.00	2.917	2.13	23.9	0.0	92.4
138.00	1.00	1.35 10.245	11.27	196.76		0.000	2.00	5.775	4.22	47.5	0.0	182.9
140.00	1.00	1.36 10.276	11.30	194.32		0.000	2.00	5.695	4.16	47.0	0.0	180.4
142.00	1.00	1.36 10.307	11.34	191.87	0.730	0.000	2.00	5.616	4.10	46.5	0.0	177.8
144.00	1.00	1.37 10.337	11.37	189.40	0.730	0.000	2.00	5.536	4.04	46.0	0.0	175.3
145.00 Appurtenance(s)	1.00	1.37 10.352	11.39	1 8 8.17	0.730	0.000	1.00	2.738	2.00	22.8	0.0	86.7
146.00	1.00	1.37 10.367	11.40	186.93	0.730	0.000	1.00	2.718	1.98	22.6	0.0	86.1
148.00	1.00	1.37 10.397	11.44	184.44	0.730	0.000	2.00	5.376	3.92	44.9	0.0	170.2
150.00	1.00	1.38 10.426	11.47	181.95	0.730	0.000	2.00	5.297	3.87	44.3	0.0	167.7
152.00	1.00	1.38 10.456	11.50	179.44	0.730	0.000	2.00	5.217	3.81	43.8	0.0	165.1
154.00	1.00	1.39 10.484	11.53	176.92	0.730	0.000	2.00	5.137	3.75	43.3	0.0	162.6
155.00 Appurtenance(s)	1.00	1.39 10.499	11.55	175.66	0.730	0.000	1.00	2.539	1.85	21.4	0.0	80.3
156.00	1.00	1.39 10.513	11.56	174.39	0.730	0.000	1.00	2.519	1.84	21.3	0.0	79.7
158.00	1.00	1.39 10.541	11.60	171.85	0.730	0.000	2.00	4.978	3.63	42.1	0.0	157.5
160.00	1.00	1.40 10.569	11.63	169.30	0.730	0.000	2.00	4.898	3.58	41.6	0.0	154.9
162.00	1.00	1.40 10.597	11.66	166.74	0.730	0.000	2.00	4.819	3.52	41.0	0.0	152.4
164.00	1.00	1.40 10.624	11.69	164.18	0.730	0.000	2.00	4.739	3.46	40.4	0.0	149.9
165.00 Appurtenance(s)	1.00	1.41 10.638	11.70	162.89	0.730	0.000	1.00	2.340	1.71	20.0	0.0	74.0
166.00	1.00	1.41 10.651	11.72	161.60	0.730	0.000	1.00	2.320	1.69	19.8	0.0	73.3
168.00	1.00	1.41 10.678	11.75	159.01	0.730	0.000	2.00	4.580	3.34	39.3	0.0	144.8
170.00	1.00	1.42 10.705	11.78	156.41	0.730	0.000	2.00	4.500	3.28	38.7	0.0	142.2
172.00	1.00	1.42 10.731	11.80	153.81	0.730	0.000	2.00	4.420	3.23	38.1	0.0	139.7
174.00	1.00	1.42 10.757	11.83	151.20	0.730	0.000	2.00	4.341	3.17	37.5	0.0	137.1
175.00 Appurtenance(s)	1.00	1.42 10.770	11.85	149.88		0.000	1.00	2.140	1.56	18.5	0.0	
176.00	1.00	1.43 10.783	11.86	148.57		0.000	1.00	2.120	1.55	18.4	0.0	67.6 67.0
178.00	1.00	1.43 10.809	11.89	145.94	0.730	0.000	2.00	4.181	3.05	36.3		67.0
180.00 Top - Section 5	1.00	1.43 10.834	11.92	143.30		0.000	2.00	4.102	2.99		0.0	132.1
182.00	1.00	1.44 10.860	11.95	143.47		0.000	2.00	4.062	2.99	35.7 35.4	0.0	129.5
184.00	1.00	1.44 10.885	11.97	143.63	0.730	0.000	2.00	4.062			0.0	144.0
186.00	1.00	1.44 10.909	12.00	143.80		0.000	2.00	4.062	2.97 2.97	35.5 35.6	0.0	144.0
188.00	1.00		12.03	143.96		0.000	2.00			35.6 35.7	0.0	144.0
		Consider a sono		0.00		0.000	۷.00	4.062	2.97	35.7	0.0	144.0

Wind Loading - Shaft

CT01501-S-SBA Structure:

Code:

7/13/2023

Site Name: Morris

Exposure:

TIA-222-H С

195.00 (ft) Height:

Crest Height: 0.00

(((HP))

Base Elev: 0.000 (ft)

Site Class:

D - Stiff Soil

Gh:	1.1		Topography	: 1	Struct (Class:				Page: 61	10WCI I	ingineering conducti
190.00 192.00 194.00 195.00		1.00 1.00 1.00 1.00	1.45 10.958 1.45 10.983 1.46 11.007 1.46 11.019	12.05 12.08 12.11 12.12	144.12 0.73 144.28 0.73 144.44 0.73 144.51 0.73	0.000 0 0.000 0 0.000	2.00 2.00 2.00 1.00	4.062 4.062 4.062 2.031	2.97 2.97 2.97 1.48	35.7 35.8 35.9 18.0 5.001.9	0.0 0.0 0.0 0.0	144.0 144.0 144.0 72.0 32.833.6
						Totals:	195.00			5,001.9		32,000.0

Discrete Appurtenance Forces

Structure: CT01501-S-SBA

Site Name: Morris Height: 195.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code: TIA-222-H

Exposure: С Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: ||



Load Case: 1.0D + 1.0W 60 mph Wind

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

Topography: 1



Iterations

30

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh	Orient Factor	14-	Total CaAa	Dead Load	Horiz Ecc	Vert Ecc	Wind FX	Mom Y	Mom Z
1		MT6407-77A	3		(psf)	x Ka	Ka	(sf)	(lb)	(ft)	(ft)	(lb)	(lb-ft)	(lb-ft)
2		Low Profile Platform	1	10.770	11.847	0.52	0.75	7.39	238.20	0.000	0.000	87.51	0.00	0.00
3		Commscope	3	10.770	11.847	1.00	1.00	22.00	1500.00	0.000	0.000	260.64	0.00	0.00
4		HRK14	1	10.770	11.847	1.00	1.00	0.00	76.05	0.000	0.000	0.00	0.00	0.00
5		NHH-85B-R2B	6	10.770	11.847	1.00	1.00	8.13	504.00	0.000	0.000	96.32	0.00	0.00
6		BSF0020F3V1-1	2	10.770 10.770	11.847	0.64	0.75	31.25	262.20	0.000	0.000	370.23	0.00	0.00
7		B5/B13 RRH-BR04C	3	10.770	11.847	1.00	1.00	1.52	36.00	0.000	0.000	18.01	0.00	0.00
8		B2/B66A RRH-BR049	3		11.847	0.50	0.75	2.82	210.90	0.000	0.000	33.40	0.00	0.00
9		DB-C1-12C-24AB-0Z	ა 1	10.770	11.847	0.50	0.75	2.82	253.20	0.000	0.000	33.40	0.00	0.00
10		TD-850B-LTE78-43	3	10.770	11.847	1.00	1.00	4.06	32.00	0.000	0.000	48.10	0.00	0.00
11		AM-X-CD-16-65-00T-RET	_	10.770	11.847	0.50	0.75	3.24	99.00	0.000	0.000	38.40	0.00	0.00
12		LGP2140X TMA	1	10.638	11.702	0.72	0.80	5.77	48.50	0.000	0.000	67.57	0.00	0.00
13		RRUS-11	12	10.638	11.702	0.40	0.80	6.24	228.00	0.000	0.000	73.02	0.00	0.00
14		800 10764	6	10.638	11.702	0.40	0.80	6.05	306.00	0.000	0.000	70.77	0.00	0.00
15		ABT-DF-DMADBH	2	10.638	11.702	0.72	0.80	8.47	81.60	0.000	0.000	99.08	0.00	0.00
16		DC6-48-60-18-8F	1	10.638	11.702	1.00	1.00	0.05	1.10	0.000	0.000	0.59	0.00	0.00
17		Low Profile Platform	1		11.702	1.00	1.00	0.92	31.80	0.000	0.000	10.77	0.00	0.00
18		7770.00	1	10.638	11.702	1.00	1.00	22.00	1500.00	0.000	0.000	257.43	0.00	0.00
19			6	10.638	11.702	0.58	0.80	19.27	210.00	0.000	0.000	225.51	0.00	0.00
		Commscope VV-65A-R1	3	10.499	11.549	0.55	0.75	9.75	71.43	0.000	0.000	112.60	0.00	0.00
20 21		782 11056	3	10.499	11.549	0.65	0.75	0.55	15.90	0.000	0.000	6.33	0.00	0.00
22		S20057A1	3	10.499	11.549	0.55	0.75	1.35	33.00	0.000	0.000	15.55	0.00	0.00
23		KRY 112 144/1	3	10.499	11.549	0.52	0.75	0.65	33.00	0.000	0.000	7.46	0.00	0.00
		Low Profile Platform	1	10.499	11.549	1.00	1.00	22.00	1500.00	0.000	0.000	254.07	0.00	0.00
24		HRK12 (Handrail Kit)	1	10.499	11.549	1.00	1.00	7.75	261.72	0.000	0.000	89.50	0.00	0.00
25		Ericsson 4460 B25 + B66	3	10.499	11.549	0.38	0.75	2.41	312.00	0.000	0.000	27.80	0.00	0.00
26		Ericsson 4480 B71 + B85	3	10.499	11.549	0.38	0.75	2.72	279.00	0.000	0.000	31.44	0.00	0.00
27		PRK-1245 (kicker kit)	1	10.499	11.549	1.00	1.00	9.50	464.91	0.000	0.000	109.71	0.00	0.00
28		Ericsson AIR6449 B41	3	10.499	11.549	0.53	0.75	9.03	309.00	0.000	0.000	104.24	0.00	0.00
29	155.00		3	10.499	11.549	0.52	0.75	31.88	384.00	0.000	0.000	368.14	0.00	0.00
30		MC-PK8-DSH	1	10.352	11.387	1.00	1.00	37.59	1727.00	0.000	0.000	428.06	0.00	0.00
31		RDIDC-9181-OF-48	1	10.352	11.387	0.75	0.75	1.51	21.90	0.000	0.000	17.17	0.00	0.00
32		TA08025-B604	3	10.352	11.387	0.38	0.75	2.21	191.70	0.000	0.000	25.11	0.00	0.00
33		TA08025-B605	3	10.352	11.387	0.38	0.75	2.21	225.00	0.000	0.000	25.11	0.00	0.00
34	145.00	MX08FRO665-21	3	10.352	11.387	0.55	0.75	20.80	193.50	0.000	0.000	236.81	0.00	0.00
							Totals:		11.641.61			2 649 R4	- 0.00	0.00

Totals:

11,641.61

3,649.84

Total Applied Force Summary

CT01501-S-SBA Structure:

Site Name: Morris 195.00 (ft) Height:

Base Elev: 0.000 (ft)

1.1 Gh:

Code: TIA-222-H

Exposure: C

Crest Height: 0.00

D - Stiff Soil Site Class:

Struct Class: II

7/13/2023

((甲))

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Load Case: 1.0D + 1.0W 60 mph Wind

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

Topography: 1



30 **Iterations**

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		56.15	615.66	0.00	0.00		
2.00		55. 7 4	611.85	0.00	0.00		
4.00		55.33	608.03	0.00	0.00		
6.00		54.92	604.22	0.00	0.00		
8.00		54.51	600.41	0.00	0.00		
10.00		54.09	596.59	0.00	0.00		
12.00		53.68	592.78	0.00	0.00		
14.00		53.93	588.96	0.00	0.00		
16.00		54.86	585.15	0.00	0.00		
18.00 20.00		55.65	581.34	0.00	0.00		
22.00		56.33	577.52	0.00	0.00		
24.00		56.92	573.71	0.00	0.00		
26.00		57.43	569.90	0.00	0.00		
28.00		57.86	566.08	0.00	0.00		
30.00		58.23	562.27	0.00	0.00		
32.00		58.55	558.45	0.00	0.00		
34.00		58.81	554.64	0.00	0.00		
36.00		59.03	550.83	0.00	0.00		
38.00		59.21	547.01	0.00	0.00		
40.00		59.34	543.20	0.00	0.00		
41.00		29.64	270.17	0.00	0.00		
42.00		30.07	492.39	0.00	0.00		
44.00		60.34	979.06	0.00	0.00		
46.00		60.38	971.44	0.00	0.00		
48.00		60.40	963.81	0.00	0.00		
50.00		60.39	530.21	0.00	0.00		
52.00		60.36	526.39	0.00	0.00		
54.00		60.30	522.58	0.00	0.00		
56.00		60.23	518.76	0.00	0.00		
58.00		60.13	514.95	0.00	0.00		
60.00		60.01	511.14	0.00	0.00		
62.00		59.87	507.32	0.00	0.00		
64.00		59.71	503.51	0.00	0.00		
66.00		59.54	499.70	0.00	0.00		
68.00		59.35	495.88	0.00	0.00		
70.00		59.14	492.07	0.00	0.00		
72.00		58.92	488.25	0.00	0.00		
74.00		58.69	484.44	0.00	0.00		
76.00		58.44	480.63	0.00	0.00		
78.00		58.18	476.81	0.00	0.00		
80.00		57.91	473.00	0.00	0.00		
81.00		28.81	235.07	0.00	0.00		
82.00		28.74	203.49	0.00	0.00		
84.00		57.33	404.59	0.00	0.00		
85.00		28.51	201.10	0.00	0.00		
86.00		28.83	353.65	0.00	0.00	C. All rights reserved	

Total Applied Force Summary

Structure: CT01501-S-SBA

Code: TIA-222-H

Site Name: Morris

Exposure: С

Height: 195.00 (ft)

Crest Height: 0.00



7/13/2023

Heigi	·)		Crest	Height:	0.00		TC
Base	Elev: 0.000 (ft)			Site C	lass:	D - Stiff Soil		ILO
Gh:	1.1	Тор	ography: 1	Struct	Class:	Н	Page: 64	Tower Engineering Solutions
88.00		57.49	702.53				1 490.01	
90.00		57.16	696.18	0.00	0.0			
91.00		28.42	345.71	0.00	0.0 0.0			
92.00		28.34	197.65	0.00				
94.00		56.48	392.92	0.00	0.0			
96.00		56.12	389.74	0.00	0.0			
98.00		55.76	386.56	0.00	0.0			
100.00		55.38	383.38	0.00	0.0			
102.00		55.00	380.21	0.00	0.00			
104.00		54.61	377.03		0.00			
106.00		54.21	373.85	0.00 0.00	0.00			
108.00		53.80	370.67		0.00			
110.00		53.38	367.49	0.00	0.00			
112.00		52.95	364.32	0.00	0.00			
114.00		52.52	361.14	0.00	0.00			
116.00		52.08		0.00	0.00			
118.00		51.64	357.96 354.78	0.00	0.00			
120.00		51.18	351.60	0.00	0.00			
122.00		50.72		0.00	0.00			
124.00		50.26	348.42 345.25	0.00	0.00			
126.00		49.78	343.25 342.07	0.00	0.00			
128.00		49.30		0.00	0.00			
130.00		48.82	338.89	0.00	0.00			
132.00		49.01	335.71	0.00	0.00			
134.00		48.52	523.08	0.00	0.00			
135.00		24.05	517.36	0.00	0.00			
136.00		23.93	256.53 141.49	0.00	0.00			
138.00		47.51	281.07	0.00	0.00			
140.00		47.00	278.53	0.00	0.00			
142.00		46.48	275.98	0.00	0.00			
144.00		45.95	273.44	0.00	0.00			
145.00	(11) attachments	755.01		0.00	0.00			
146.00	(11) attachments	22.63	2494.87 133.14	0.00	0.00			
148.00		44.89	264.37	0.00	0.00			
150.00		44.35	261.83	0.00	0.00			
152.00		43.80	259.29	0.00	0.00			
154.00		43.25	256.75	0.00	0.00			
155.00	(27) attachments	1148.25	3791.38	0.00	0.00			
156.00	(21) attaominanto	21.26	111.02	0.00	0.00			
158.00		42.14	220.14	0.00	0.00			
160.00		41.57	217.60	0.00	0.00			
162.00		41.00	215.06	0.00	0.00			
164.00		40.43	212.51	0.00	0.00			
165.00	(30) attachments	824.72	2512.30	0.00	0.00			
166.00	(00) attachmonts	19.84	89.70	0.00	0.00			
168.00		39.27	177.49	0.00	0.00			
170.00		38.68	174.95	0.00	0.00			
172.00		38.09	172.40	0.00	0.00			
174.00		37.49	169.86	0.00	0.00			
175.00	(26) attachments	1004.52		0.00	0.00			
176.00	(20) anaoiments	18.36	3295.53 70.80	0.00	0.00			
178.00		36.29	70.80 139.70	0.00	0.00			
180.00		35.68	137.15	0.00	0.00			
182.00		35.42		0.00	0.00			
184.00		35.42 35.50	151.60	0.00	0.00			
186.00		35.58	151.60 151.60	0.00	0.00			
188.00		35.66	151.60	0.00 0.00	0.00			
			abt @ 2023 by Town		0.00			

Total Applied Force Summary

Site Class:

CT01501-S-SBA Structure:

Code: TIA-222-H 7/13/2023

Site Name: Morris

Exposure:

C

Page: 65

Height:

195.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

D - Stiff Soil

Gh:	1.1	Тор	ography: 1	Struct	Class: II
190.00		35.74	151.60	0.00	0.00
192.00		35.82	151.60	0.00	0.00
194.00		35.90	151.60	0.00	0.00
195.00		17.97	75.80	0.00	0.00
	Totals:	8,651.76	52,615.37	0.00	0.00

Linear Appurtenance Segment Forces (Factored)

Structure: CT01501-S-SBA

Site Name: Morris

Height: 195.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code: TIA-222-H

Exposure: С

Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: II

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7/13/2023



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00

Topography: 1



Iterations

30

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.027	0.000	6,430	0.00	3.98
4.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.027	0.000	6.430	0.00	3.98
6.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.027	0.000	6.430	0.00	3.98
8.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.027	0.000	6.430	0.00	3.98
10.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	6.430	0.00	3.98
12.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	6.430	0.00	3.98
14.00	1. 75 " Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	6.430	0.00	3.98
16.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	6.509	0.00	3.98
18.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	6.672	0.00	3.98
20.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	6.822	0.00	3.98
22.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	6.960	0.00	3.98
24.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	7.089	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	7.209	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	7.323	0.00	3.98
30.00	1. 75 " Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	7.430	0.00	3.98
32.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	7.532	0.00	3.98
34.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	7.628	0.00	3.98
36.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	7.721	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	7.809	0.00	3.98
40.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	7.894	0:00	3.98
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.031	0.000	7.935	0.00	1.99
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.031	0.000	7.975	0.00	1.99
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	8.054	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	8.130	0.00	3.98
	1. 75 " Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	8,203	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	8.273	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	8.342	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	8.409	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	8.473	0.00	3.98
	1. 75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	8.536	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	8.597	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	8.657	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	8.715	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	8.771	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	8.827	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	8.881	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	8.934	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	8.985	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	9.036	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	9.085	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	9.134	0.00	3.98
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.037	0.000	9.158	0.00	1.99
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.037	0.000	9.182	0.00	1.99
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	9.228	0.00	3.98
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.038	0.000	9.251	0.00	1.99
	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.038	0.000	9.274	0.00	1.99
88.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	9.319	0.00	3.98

Linear Appurtenance Segment Forces (Factored)

Structure:

CT01501-S-SBA

TIA-222-H Code:

С

7/13/2023

Height:

Gh:

Site Name: Morris

Exposure:

Site Class:

Crest Height: 0.00

D - Stiff Soil

195.00 (ft) Base Elev: 0.000 (ft)

1.1

Topography: 1

Struct Class: ||

Page: 67

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor

1.00

Wind Load Factor

1.00

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itions	30

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)
		Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	9.363	0.00	3.98
90.00	1.75" Hybrid 1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.039	0.000	9.385	0.00	1.99
91.00	•	Yes	1.00	0.000	1.75	0.15	0.00	0.039	0.000	9.407	0.00	1.99
92.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	9.449	0.00	3.98
94.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	9.491	0.00	3.98
96.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	9.533	0.00	3.98
98.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	9.573	0.00	3.98
100.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	9.613	0.00	3.98
102.00		Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	9.653	0.00	3.98
	1.75" Hybrid		2.00	0.000	1.75	0.29	0.00	0.042	0.000	9.691	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.042	0.000	9.730	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	9.767	0.00	3.98
110.00	1. 75 " Hybrid	Yes		0.000	1.75	0.29	0.00	0.043	0.000	9.804	0.00	3.98
112.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	9.841	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	9.877	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.045	0.000	9.913	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	9.948	0.00	3.98
	1. 75 " Hybrid	Yes	2.00		1.75	0.29	0.00	0.046	0.000	9.983	0.00	3.98
	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	10.017	0.00	3.98
124.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	10.051	0.00	3.98
126.00	1. 75 " Hybrid	Yes	2.00	0.000		0.29	0.00	0.048	0.000	10.084	0.00	3.98
128.00	1.75" Hybrid	Yes	2.00	0.000	1.75		0.00	0.049	0.000	10.117	0.00	3.98
130.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	10.150	0.00	3.98
132.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	10.182	0.00	3.98
134.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.050	0.000	10.198	0.00	1.99
135.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15		0.050	0.000	10.214	0.00	1.99
136.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00		0.000	10.245	0.00	3.98
138.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.051		10.245	0.00	3.98
140.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.051	0.000	10.276	0.00	3.98
142.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.052	0.000	10.307	0.00	3.98
144.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.053	0.000	10.357	0.00	1.99
145.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.053	0.000 To	10.352 . stals:	0.0	288.7

Structure: CT01501-S-SBA

Code: TIA-222-H 7/13/2023

Site Name: Morris Height: 195.00 (ft)

Exposure: С Crest Height: 0.00

Base Elev: 0.000 (ft)

Gh:

D - Stiff Soil Site Class:

30

1.1

Topography: 1 Struct Class: ||

Page: 68

Iterations

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-)	Mu MZ (ft-kips)	Mu MX (ft.kips)	Resultant Moment	phi Pn	phi Vn	phi Tn	phi Mn	Total Deflect	Sway	Rotation Twist	Stress
0.00	-52.61	-8.66	0.00	-1087.8	0.00	(ft-kips) 1087.85	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
2.00	-52.00	-8.62	0.00	-1070.5	0.00	1070.53	4628.91 4612.68	1339.45	7126.38	6119.66	0.00	0.000	0.000	0.189
4.00	-51.38	-8.57	0.00	-1053.3	0.00	1070.33	4596.18	1329.62	7022.11	6053.16	0.00	-0.015	0.000	0.188
6.00	-50.77	-8.53	0.00	-1036.1	0.00	1035.30	4579.43	1319.78	6918.62	5986.64	0.01	-0.031	0.000	0.187
8.00	-50.17	-8.49	0.00	-1019.0	0.00	1019.09	4562.40	1309.95 1300.11	6815.89 6713.93	5920.10	0.03	-0.047	0.000	0.186
10.00	-49.56	-8.45	0.00	-1002.1	0.00	1002.11	4545.12	1290.28	6612.74	5853.55	0.05	-0.063	0.000	0.185
12.00	-48.96	-8.41	0.00	-985.21	0.00	985.21	4527.57	1280.44	6512.74	5787.00	0.08	-0.078	0.000	0.184
14.00	-48.37	-8.37	0.00	-968.40	0.00	968.40	4509.77	1270.61	6412.66	5720.46 5653.92	0.12	-0.094	0.000	0.183
16.00	-47.78	-8.32	0.00	-951.67	0.00	951.67	4491.69	1260.77	6313.77		0.16	-0.110	0.000	0.182
18.00	-47.19	-8.28	0.00	-935.02	0.00	935.02	4473.36	1250.77	6215.65	5587.41	0.21	-0.127	0.000	0.181
20.00	-46.61	-8.24	0.00	-918.46	0.00	918.46	4454.76	1241.10	6118.30	5520.93	0.27	-0.143	0.000	0.180
22.00	-46.03	-8.19	0.00	-901.98	0.00	901.98	4435.90	1231.27	6021.72	5454.49	0.33	-0.159	0.000	0.179
24.00	-45.45	-8.15	0.00	-885.60	0.00	885.60	4416.78	1221.43	5925.90	5388.08 5321.73	0.40	-0.175	0.000	0.178
26.00	-44.88	-8.10	0.00	-869.30	0.00	869.30	4397.40	1211.60	5830.86		0.48	-0.192	0.000	0.177
28.00	-44.31	-8.05	0.00	-853.10	0.00	853.10	4377.75	1201.76		5255.44	0.56	-0.209	0.000	0.176
30.00	-43.75	-8.01	0.00	-836.99	0.00	836.99	4357.84	1191.93	5736.58 5643.07	5189.22 5123.07	0.65	-0.225	0.000	0.175
32.00	-43.19	-7.96	0.00	-820.98	0.00	820.98	4337.67	1182.09	5550.33	5057.01	0.75	-0.242	0.000	0.173
34.00	-42.63	-7.91	0.00	-805.06	0.00	805.06	4317.23	1172.26	5458.36	4991.03	0.86	-0.259	0.000	0.172
36.00	-42.08	-7.86	0.00	-789.25	0.00	789.25	4296.53	1162.42	5367.16		0.97	-0.276	0.000	0.171
38.00	-41.53	-7.81	0.00	-773.53	0.00	773.53	4275.57	1152.59	5276.73	4925.16	1.09	-0.293	0.000	0.170
40.00	-40.98	-7.76	0.00	-757.91	0.00	757.91	4254.35	1142.76		4859.38	1.22	-0.310	0.000	0.169
41.00	-40.71	-7.73	0.00	-750.15	0.00	750.15	4243.64	1137.84	5187.06 5142.51	4793.73	1.35	-0.327	0.000	0.168
42.00	-40.22	-7.71	0.00	-742.42	0.00	742.42	4232.86	1132.92	5098.16	4760.94	1.42	-0.336	0.000	0.167
44.00	-39.24	-7.65	0.00	-727.00	0.00	727.00	4211.11	1123.09	5010.03	4728.19	1.49	-0.345	0.000	0.167
46.00	-38.26	-7.60	0.00	-711.69	0.00	711.69	4189.10	1113.25	4922.67	4662.78	1.64	-0.362	0.000	0.165
48.00	-37.30	-7.54	0.00	-696.49	0.00	696.49	4202.19	1119.08	4974.38	4597.51	1.79	-0.380	0.000	0.164
50.00	-36.77	-7.49	0.00	-681.41	0.00	681.41	4180.07	1109.25	4887.33	4636.19	1.96	-0.397	0.000	0.159
52.00	-36.24	-7.44	0.00	-666.43	0.00	666.43	4157.69	109.25	4801.05	4570.98 4505.91	2.13	-0.415	0.000	0.158
54.00	-35.71	-7.38	0.00	-651.55	0.00	651.55	4135.04	1089.58	4715.54	4441.00	2.31	-0.432	0.000	0.157
56.00	-35.19	-7.33	0.00	-636.79	0.00	636.79	4112.14	1079.74	4630.79		2.49	-0.449	0.000	0.155
58.00	-34.68	-7.28	0.00	-622.13	0.00	622.13	4088.97	1069.91	4546.82	4376.25 4311.67	2.68	-0.466	0.000	0.154
60.00	-34.16	-7.22	0.00	-607.57	0.00	607.57	4065.54	1069.91	4463.61		2.88	-0.484	0.000	0.153
62.00	-33.65	-7.17	0.00	-593.13	0.00	593.13	4041.84	1050.07	4381.17	4247.27 4183.06	3.09	-0.501	0.000	0.152
64.00	-33.15	-7.11	0.00	-578.80	0.00	578.80	4017.89	1040.40	4299.50	4119.03	3.30	-0.518	0.000	0.150
66.00	-32.65	-7.06	0.00	-564.57	0.00	564.57	3993.67	1030.57	4218.60	4055.21	3.52	-0.536	0.000	0.149
68.00	-32.15	-7.00	0.00	-550.45	0.00	550.45	3969.18	1020.73	4138.47	3991.60	3.75 3.99	-0.553	0.000	0.147
70.00	-31.66	-6.95	0.00	-536.44	0.00	536.44	3944.44	1010.90	4059.10	3928.21		-0.571	0.000	0.146
72.00	-31.17	-6.90	0.00	-522.54	0.00	522.54	3919.43	1010.90	3980.51	3865.04	4.23	-0.588	0.000	0.145
74.00	-30.68	-6.84	0.00	-508.75	0.00	508.75	3894.16	991.23	3902.68		4.48	-0.606	0.000	0.143
76.00	-30.20	-6.79		-495.07	0.00	495.07	3868.63	981.39		3802.10 3739.40	4.74	-0.624	0.000	0.142
78.00	-29.72	-6.73		-481.49	0.00	481.49	3842.83		3749.33		5.00	-0.642	0.000	0.140
80.00	-29.25	-6.68		-468.03	0.00	468.03	3816.78				5.28	-0.659	0.000	0.139
	-29.01	-6.65		-461.35	0.00	461.35	3803.65	956.81		3614.75	5.56 5.70	-0.677	0.000	0.137
	-29.01	-6.65		-461.35	0.00	461.35	2964.89			3583.75	5.70	-0.686	0.000	0.136
	-28.81	-6.63		-454.70	0.00	454.70	2956.04		3036.55	2801.11	5.70	-0.686	0.000	0.175
	-28.40	-6.57		-441.45	0.00	441.45	2938.13				5.84	-0.695	0.000	0.173
	-28.20	-6.55		-434.88	0.00	434.88	2929.08		2945.70		6.14	-0.717	0.000	0.171
-	-27.84	-6.52		-428.33	0.00	428.33	2323.00	102.04	2915.07 2884.60	Z/10.08	6.29	-0.728	0.000	0.170

CT01501-S-SBA Structure:

TIA-222-H Code:

D - Stiff Soil

7/13/2023

Site Name: Morris

С Exposure:

195.00 (ft) Height:

Crest Height: 0.00

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Base Elev: 0.000 (ft)

Site Class: Struct Class: ||

Base	Elev:	1 1	ιι)	Ton	ography:	1 8	- Struct Clas	ss: II			Pag	ge: 69	Tower Engineer	ing Solutions
Gh:		1.1					2901.54	769.74	2824.14	2642.11	6.76	-0.760	0.000	0.167
88.00	-27.14	-6.46	0.00	-415.29	0.00	415.29	2882.85	761.55	2764.32	2596.94	7.08	-0.781	0.000	0.164
90.00	-26.44	-6.40	0.00	-402.37	0.00	402.37 395.96	2898.33	768.33	2813.78	2634.30	7.25	-0.792	0.000	0.159
91.00	-26.10	-6.38	0.00	-395.96	0.00 0.00	389.58	2889.00	764.23	2783.84	2611.72	7.41	-0.803	0.000	0.158
92.00	-25.90	-6.35	0.00	-389.58 -376.88	0.00	376.88	2870.13	756.03	2724.45	2566.64	7.75	-0.823	0.000	0.156
94.00	-25.50	-6.30	0.00	-364.28	0.00	364.28	2851.00	747.84	2665.70	2521.69	8.10	-0.844	0.000	0.153
96.00	-25.11	-6.25 -6.19	0.00	-351.79	0.00	351.79	2831.61	739.64	2607.60	2476.90	8.46	-0.865	0.000	0.151
98.00	-24.72 -24.34	-6.19 -6.14	0.00	-339.40	0.00	339.40	2811.95	731.45	2550.13	2432.25	8.83	-0.885	0.000	0.148
100.00 102.00	-24.34	-6.09	0.00	-327.12	0.00	327.12	2792.03	723.25	2493.30	2387.76	9.20	-0.905	0.000	0.146
102.00	-23.58	-6.04	0.00	-314.94	0.00	314.94	2771.85	715.06	2437.12	2343.44	9.59	-0.926	0.000	0.143
106.00	-23.20	-5.98	0.00	-302.86	0.00	302.86	2751.41	706.86	2381.57	2299.29	9.98	-0.946	0.000	0.140 0.137
108.00	-22.83	-5.93	0.00	-290.89	0.00	290.89	2730.70	698.66	2326.66	2255.33	10.38	-0.966		0.137
110.00	-22.46	-5.88	0.00	-279.03	0.00	279.03	2709.73	690.47	2272.40	2211.55	10.79	-0.986 -1.006		0.133
112.00	-22.10	-5.83	0.00	-267.27	0.00	267.27	2688.50	682.27	2218.77	2167.98	11.21	-1.006		0.129
114.00	-21.74	-5.78	0.00	-255.61	0.00	255.61	2667.01	674.08	2165.79	2124.61	11.63 12.07	-1.020		0.125
116.00	-21.38	-5.73	0.00	-244.05	0.00	244.05	2645.25	665.88	2113.44	2081.45 2038.51	12.51	-1.045		0.122
118.00	-21.02	-5.68	0.00	-232.60	0.00	232.60	2623.23	657.69	2061.74 2010.67	1995.80	12.96	-1.084		0.119
120.00	-20.67	-5.62	0.00	-221.25	0.00	221.25	2600.95	649.49 641.29	1960.25	1953.33	13.42	-1.102		0.115
122.00	-20.32	-5.57	0.00	-210.00	0.00	210.00	2578.41	633.10	1910.47	1911.10	13.88	-1.121	0.000	0.112
124.00	-19.97	-5.52	0.00	-198.85	0.00	198.85	2555.60 2532.53	624.90	1861.32	1869.12	14.36	-1.139	_	0.108
126.00	-19.63		0.00	-187.81	0.00	187.81	2509.20	616.71	1812.82	1827.41	14.84	-1.157		0.105
128.00	-19.29		0.00	-176.86	0.00	176.86 166.01	2485.60	608.51	1764.96	1785.96	15.33	-1.175		0.101
130.00	-18.96		0.00	-166.01	0.00	155.27	2461.74	600.32	1717.74	1744.78	15.82	-1.192	0.000	0.097
132.00	-18.43		0.00	-155.27	0.00	144.63	2437.62	592.12	1671.15	1703.88	16.33	-1.208	0.000	0.092
134.00	-17.91		0.00	-144.63	0.00	139.37	1823.78	478.25	1362.76	1289.51	16.58	-1.217	0.000	0.118
135.00	-17.66		0.00	-139.37	0.00 0.00	134.13	1816.04	474.97	1344.14	1275.17	16.84	-1.225	0.000	0.115
136.00	-17.52	_	0.00	-134.13 -123.70	0.00	123.70	1800.35	468.42	1307.29	1246.57	17.35	-1.243	0.000	0.109
138.00	-17.23		0.00	-123.70	0.00	113.37	1784.40	461.86	1270.94	1218.11	17.88	-1.261	0.000	0.103
140.00	-16.95		0.00	-103.14	0.00	103.14	1768.19	455.30	1235.12	1189.78	18.41	-1.278		0.096
142.00	-16.68		0.00	-93.00	0.00	93.00	1751.71	448.75	1199.80	1161.59	18.95	-1.293		0.090
144.00	-16.41		0.00	-87.98	0.00	87.98	1743.38	445.47	1182.33	1147.55	19.22	-1.301		0.085
145.00	-13.93		0.00	-83.77	0.00	83.77	1734.98	442.19	1165.00	1133.55	19.49	-1.309		0.082
146.00	-13.79 -13.53		0.00	-75.39	0.00	75.39	1717.98	435.63	1130.70	1105.67	20.04	-1.323		0.076
148.00 150.00	-13.27		0.00	-67.11	0.00	67.11	1700.71	429.08	1096.92	1077.96	20.60	-1.336		0.070
152.00	-13.01		0.00	-58.92	0.00	58.92	1683.19	422.52	1063.66	1050.42	21.16	-1.348		0.064
154.00	-12.75		0.00	-50.83	0.00	50.83	1665.40	415.96	1030.90	1023.06	21.73	-1.359		0.057 0.052
155.00	-8.99		0.00	-46.83	0.00	46.83	1656.41	412.69	1014.72	1009.45	22.02	-1.364		0.052
156.00	-8.88		0.00	-44.07	0.00	44.07	1647.35	409.41	998.66	995.89	22.30	-1.369		0.030
158.00	-8.66		0.00	-38.59	0.00	38.59	1629.04	402.85	966.93	968.91	22.88	-1.379		0.043
160.00	-8.44		0.00	-33.21	0.00	33.21	1610.46	396.29	935.71	942.14	23.46	-1.387 -1.395		0.036
162.00	-8.23		0.00	-27.91	0.00	27.91	1591.62	389.74	905.01	915.58	24.04	-1.401		0.031
164.00	-8.02		0.00	-22.71	0.00	22.71	1572.52	383.18	874.81	889.24	24.63 24.92	-1.404		0.027
165.00	-5.53	-1.67	0.00	-20.15	0.00	20.15	1562.88	379.90	859.91	876.15	25.21	-1.407		0.025
166.00	-5.44	-1.65	0.00	-18.48	0.00	18.48	1553.16	376.62		863.13 837.25	25.80	-1.412		0.022
168.00	-5.26	-1.61	0.00	-15.18	0.00	15.18	1533.53	370.07	815.96	811.61	26.40	-1.416		0.018
170.00	-5.09	-1.56	0.00	-11.97	0.00	11.97	1513.65	363.51	787.30 759.16	786.22	26.99	-1.419		0.015
172.00	-4.91	-1.52	0.00	-8.84	0.00	8.84	1493.49	356.96		761.10	27.59	-1.421		0.011
174.00	-4.74	1 -1.48	0.00	-5.80	0.00	5.80	1473.08	350.40 347.12		748.63	27.88	-1.422		0.007
175.00	-1.48	3 -0.39	0.00	-4.32	0.00	4.32	1462.77 1452.40	343.84		736.23	28.18	-1.423		0.006
176.00	-1.40		0.00	-3.92	0.00	3.92	1432.40	337.29		709.84	28.78	-1.424		0.005
178.00	-1.27		0.00	-3.18	0.00	3.18	1427.84	330.73		682.38	29.38	-1.426		0.004
180.00	-1.13		0.00	-2.51	0.00	2.51 2.51	1571.64	371.25		763.99	29.38	-1.426		0.004
180.00	-1.13		0.00	-2.51	0.00	1.92	1571.64	371.25		763.99	29.97	-1.427		0.003
182.00	-0.98		0.00	-1.92	0.00	1.40	1571.64	371.25		763.99	30.57	-1.427	0.000	0.002
184.00	-0.83		0.00	-1.40 -0.97	0.00 0.00	0.97	1571.64	371.25		763.99	31.17	-1.428	0.000	0.002
186.00	-0.68	8 -0.18	0.00			hy Tower Fr				reserved.				

Structure: CT01501-S-SBA

Site Name: Morris 195.00 (ft) Height:

Base Elev: 0.000 (ft)

Code: TIA-222-H

Exposure: С Crest Height: 0.00

Site Class:

D - Stiff Soil

7/13/2023

Gh:		1.1		Тор	ography: 1		Struct Clas	ss: II			Pa	ge: 70	Tower Engineer	ing Solutions
188.00	-0.53	-0.14	0.00	-0.61	0.00	0.61	1571.64	371.25	730.60	763.99	31.77	-1.428	0.000	0.001
190.00	-0.38	-0.10	0.00	-0.34	0.00	0.34	1571.64	371.25	730.60	763.99	32.36	-1.428		0.001
192.00	-0.23	-0.06	0.00	-0.14	0.00	0.14	1571.64	371.25	730.60	763.99	32.96	-1.428	0.000	0.000
194.00	-0.08	-0.02	0.00	-0.02	0.00	0.02	1571.64	371.25	730.60	763.99	33.56	-1.428	0.000	0.000
195.00	0.00	-0.02	0.00	0.00	0.00	0.00	1571.64	371.25	730.60	763.99	33.86	-1.428	0.000	0.000

Final Analysis Summary

CT01501-S-SBA Structure:

Topography: 1

Site Name: Morris 195.00 (ft) Height:

Base Elev: 0.000 (ft)

1.1 Gh:

Code:

TIA-222-H

С Exposure: Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: ||

7/13/2023

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Reactions

	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 115 mph Wind	35.6	0.00	63.12	0.00	0.00	4503.71
0.9D + 1.0W 115 mph Wind	35.5	0.00	47.33	0.00	0.00	4439.71
1.2D + 1.0Di + 1.0Wi 50 mph Wind		0.00	82.66	0.00	0.00	1333.60
1.2D + 1.0Ev + 1.0Eh	0.7	0.00	65.27	0.00	0.00	113.22
0.9D + 1.0Ev + 1.0Eh	0.7	0.00	49.39	0.00	0.00	111.86
1.0D + 1.0W 60 mph Wind	8.7	0.00	52.61	0.00	0.00	1087.85

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
Harry J. Lary J.	-63.12	-35.56	0.00	-4503.7	0.00	-4503.7	4628.91	1339.4	7126.38	6119.66	0.00	0.750
1.2D + 1.0W 115 mph Wind		-35.55	0.00	-4439.7	0.00	-4439.7	4628.91	1339.4	7126.38	6119.66	0.00	0.736
0.9D + 1.0W 115 mph Wind	-47.33			-1333.6	0.00		4628.91	1339.4	7126.38	6119.66	0.00	0.236
1.2D + 1.0Di + 1.0Wi 50 mph Wind		-10.58	0.00			1000.0	4628.91	1339.4	7126.38	6119.66	0.00	0.033
1.2D + 1.0Ev + 1.0Eh	-65.27	-0.68	0.00	-113.22	0.00		3803.65			3583.75	81.00	0.029
0.9D + 1.0Ev + 1.0Eh	-27.30	-0.70	0.00	-55.5 7	0.00		•	•		6119.66	0.00	0.189
1.0D + 1.0W 60 mph Wind	-52.61	-8.66	0.00	-1087.8	0.00	-1087.8	4628.91	1339.4	7126.38	0119.00	0.00	3.100





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

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10206262 Colliers Engineering & Design CT, P.C. Project #: 23777027 (Rev. 1)

July 10, 2023

Site Information

Site ID:

5000247368-VZW / BETHLEHEM NE CT

Site Name:

BETHLEHEM NE CT

Carrier Name:

Verizon Wireless 310 Watertown Road

Address:

Bethlehem, Connecticut 06751

Litchfield County

Latitude:

41.667219°

Longitude:

-73.170556°

Structure Information

Tower Type:

199-Ft Monopole

Mount Type:

12.50-Ft Platform

FUZE ID # 17123741

Analysis Results

Platform: 46.4% 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: Selene Chen

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: 674843, dated June 21, 2021
Mount Mapping Report	SGS Towers Site #: 467950, dated April 14, 2020
Post-Modification Inspection Report	Colliers Engineering & Design CT, P.C., Project #: 21777147, dated May 23, 2023
Filter Add Scope	Provided by Verizon Wireless

Analysis Criteria:

Occes and Standards. ANSI/ I A-222-F	Codes and Standards:	ANSI/TIA-222-H
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2022 Connecticut State Building Code (CSBC), Effective October 1, 2022

Wind.	Parameters:	

Basic Wind Speed (Ultimate 3-sec. Gust), V _U Ice Wind Speed (3-sec. Gust): Design Ice Thickness: Risk Category: Exposure Category: Topographic Category: Topographic Feature Considered: Topographic Method: Ground Elevation Factor, K _e :	120 mph 50 mph 1.00 in II C 1 N/A N/A 0.966
S _S : S ₁ :	0.184 g 0.054 g
Wind Speed (3-sec. Gust): Maintenance Load, Lv: Maintenance Load, Lm:	30 mph 250 lbs. 500 lbs.

Analysis Software:

Seismic Parameters:

Maintenance Parameters:

RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
		6	Commscope	NHH-85B-R2B	
		3	Samsung	MT6407-77A	
		1	RFS	DB-C1-12C-24AB-0Z	Retained
174.00	175.00	3	Commscope	TD-850B-LTE78-43	Netanico
174.00	1,3.00	3	Samsung	B2/B66A RRH-B4049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	KAelus	BSF0020F3V1-1	Added

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

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

Standard Conditions:

- All engineering services are performed on the basis that the information provided to Colliers Engineering & Design CT, P.C. and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design CT, P.C. to verify deviation will not adversely impact the analysis.
- 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 CT, P.C. is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
- 7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:

o Channel, Solid Round, Angle, Plate

ASTM A36 (Gr. 36)

HSS (Rectangular)

ASTM 500 (Gr. B-46)

o Pipe

ASTM A53 (Gr. B-35)

Threaded Rod

F1554 (Gr. 36)

Bolts

ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	13.2 %	Pass
Mount Pipe	25.3 %	Pass
Dual Mount Pipe	24.3 %	Pass
Cross Arm Plate	32.5 %	Pass
Corner Plate	18.0 %	Pass
Platform Crossmember	20.6 %	Pass
Standoff Horizontal	31.9 %	Pass
Grating Support	15.4 %	Pass
Support Rail	15.4 %	Pass
Connector Angle	20.5 %	Pass
Connection Check	46.4 %	Pass

Structure Rating – (Controlling Utilization of all Components)	46.4%
Ou detaile Nating - (Controlling Utilization of all Components)	46.4%

BASELINE mount weight per SBA agreement: 1996.57 lbs

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

The weights listed above include 3 sectors.

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

Ice	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	24.4	24.4	38.8	38.8		
0.5	31.7	31.7	51.8	51.8		
1	38.4	38.4	64.3	64.3		

Notes:

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

July 10, 2023 Site ID: 5000247368-VZW / BETHLEHEM NE 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	and do no	ot 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 #: 5000247368

SMART Project #: 10206262

Fuze Project ID: 17123741

<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:

•	The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.
	☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.
	OR
	☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.
Specia	I Instructions / Validation as required from the MA or any other information the contractor
deems	necessary to share that was identified:
<mark>Issue:</mark>	
Respo	nse:
Specia	I Instruction Confirmation:
	\square The contractor has read and acknowledges the above special instructions.
	\Box 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.

erial utilized was approved by a SM included as part of the contractor s	IART Tool engineering vendor as an "equivalent" and this submission.
es that the climbing facility / saf	fety climb was not damaged prior to starting work:
□ No	
es no new damage created duri	ng the current installation:
□ No	
ify the condition of the safety c	limb and verify no damage when leaving the site:
imb in Good Condition	☐ Safety Climb Damaged
al:	
Name: Phone:	
	es that the climbing facility / sat No so no new damage created during the condition of the safety condition in Good Condition al: npany: Name: Phone: Email:

Structure: 5000247368-VZW - BETHLEHEM NE CT

Sector:

Mount Elev:

__A

Structure Type: Monopole

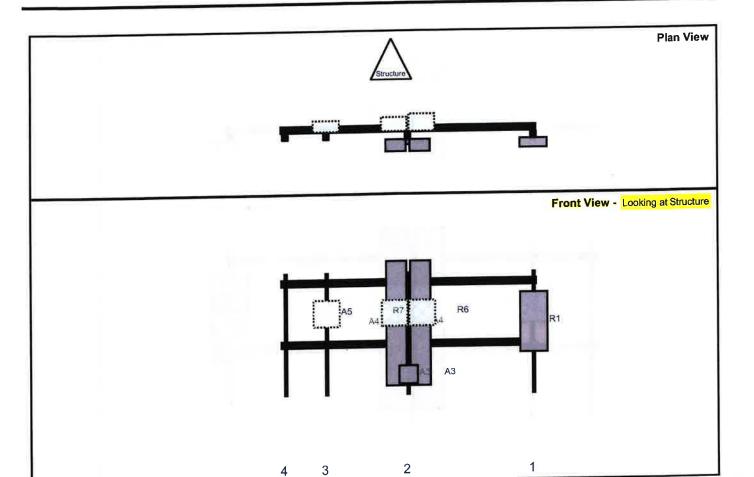
174.00

10206262

7/10/2023

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Page: 1



Ref#	Model		Height (in)	Width (in)	H Dist Fm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T	Ant H Off	Status	Validation
R1	MT6407-77A		35.1	16,1	148	1	а	Front	30	0	Retained	06/07/2022
A4	NHH-85B-R2B		72.87	11.85	75	2	а	Front	30	7	Retained	06/07/2022
A4 A4	NHH-85B-R2B		72.87	11.85	75	2	b	Front	30	-7	Retained	06/07/2022
A4 A3	BSF0020F3V1-1		10.6	10.9	75	2	а	Behind	60	0	Added	Sir-Kari
A3	BSF0020F3V1-1		10.6	10.9	75	2	b	Front	60	0	Added	
R6	B2/B66A RRH-BR049		15	15	75	2	а	Behind	24	8	Retained	06/07/2022
	B5/B13 RRH-BR04C	-	15	15	75	2	а	Behind	24	-8	Retained	06/07/2022
R7	TD-850B-LTE78-43		15.4	15.2	27	3	а	Behind	24	0	Retained	06/07/2022
A5 OVP	DB-C1-12C-24AB-0Z		29.5	16.5		Memb	er				Retained	06/07/2022

Structure: 5000247368-VZW - BETHLEHEM NE CT

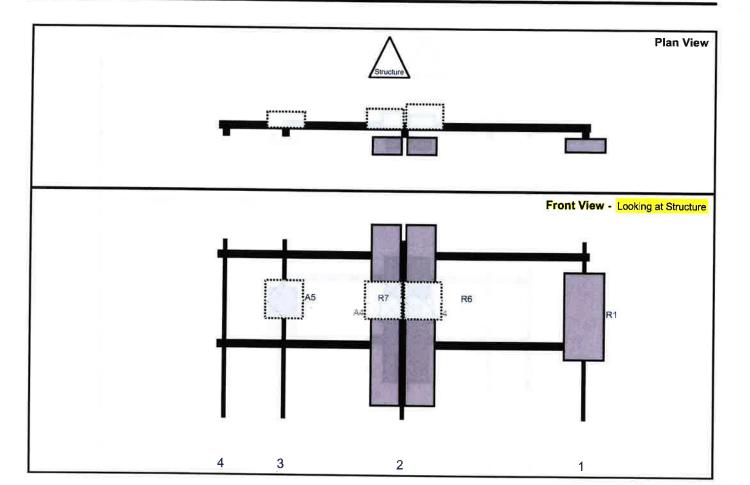
Sector: **B** 7/10/2023

Structure Type: Monopole Mount Elev: 174.00

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Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R1	MT6407-77A	35.1	16.1	148	1	а	Front	30	0	Retained	06/07/2022
A4	NHH-85B-R2B	72.87	11.85	75	2	а	Front	30	7	Retained	06/07/2022
A4	NHH-85B-R2B	72.87	11.85	75	2	b	Front	30	-7	Retained	06/07/2022
R6	B2/B66A RRH-BR049	15	15	75	2	а	Behind	24	8	Retained	06/07/2022
R7	B5/B13 RRH-BR04C	15	15	75	2	а	Behind	24	-8	Retained	06/07/2022
A5	TD-850B-LTE78-43	15.4	15.2	27	3	а	Behind	24	0	Retained	06/07/2022

Structure: 5000247368-VZW - BETHLEHEM NE CT

Sector: C

Structure Type: Monopole

Mount Elev:

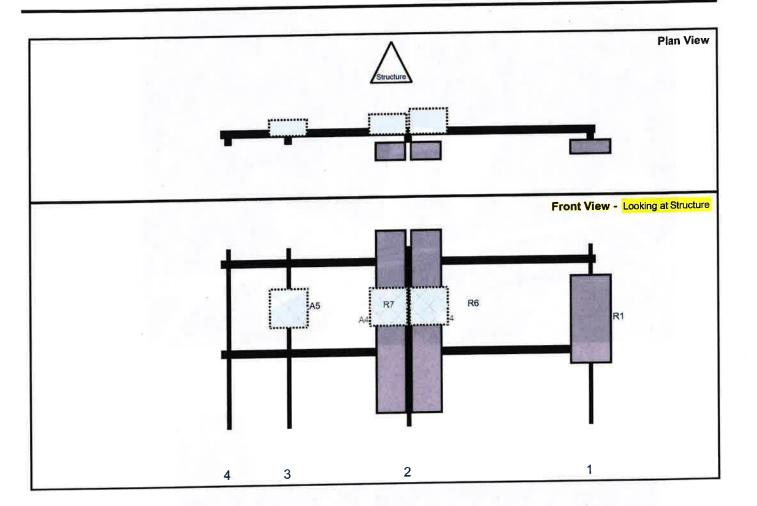
174.00

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7/10/2023





Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R1	MT6407-77A	35.1	16.1	148	1	а	Front	30	0	Retained	06/07/2022
A4	NHH-85B-R2B	72.87	11.85	75	2	а	Front	30	7	Retained	06/07/2022
A4	NHH-85B-R2B	72.87	11.85	75	2	b	Front	30	-7	Retained	06/07/2022
R6	B2/B66A RRH-BR049	15	15	75	2	а	Behind	24	.8	Retained	06/07/2022
-	B5/B13 RRH-BR04C	15	15	75	2	а	Behind	24	-8	Retained	06/07/2022
R7 A5	TD-850B-LTE78-43	15.4	15.2	27	3	а	Behind	24	0	Retained	06/07/2022





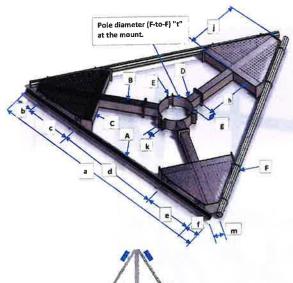


Antenna Mount Type "MT-C" Mapping Form (PATENT PENDING)

Unknown

Tower Engineering Solutions Mapping Contractor: SGS Towers Mount Height (Ft.): 174

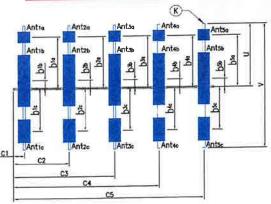
This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited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



			G	eometri	ies (Unit: in	iches)			
a	151	e	46	1	47	0		S	
b	9	f	9	k	4.75	р		t	4.5
c	46	g	5	m	9	q		u*	42
d	41	h	15	п		r		v*	72
	4-				Init: inches)	* - See Ant. Layout f	or "u", "v"	and member	"K" (pipe
Items	Member	Lx (O.D.)		Т	Items		Lx (0.D.)		T_
A	3.5 OD x 0.216 Pipe		3.068	0.216	F				
В	Tubing 4x4x1/4	4	4	0.25	G				
C	Tubing 4x4x1/4	4	4	0.25	Н				
D					J				
F	3/4" Bolt				K* (pipe)	.375 OD x 0.218 Pip	2.375	1.939	0.218
Distance	from top of main plat	form mer	nber to lo	west tip	of ant./eq	pt. of Carrier above.	(N/A if > 1	10 ft.)	N/A
Distance .	from top of main plat	form mer	nher to h	ighest ti	n of ant./er	ont, of Carrier below	(N/A if >	10 ft.)	N/A
Jistance	Nom top or main plac	the lefore	ation hal	out if mo	mhore can	t be found from the	drop dow	n lists	
						C DC TOUTH THOM OTE		-	
D" does	not exist on this mou	nt; "g" is t	the collar	standor	,				

*
71
SECTOR B SECTOR C
SESTON S V
(A) (A) (A)
1 137
SECTION A
SECTION A
DATE STATE STATE
SECTOR 4-1
JEG1011

Climbing facility	is Located at	Section C, at	120 Degree Azimuth
-------------------	---------------	---------------	--------------------



Antenna Layout

	Enter antenna mode no antenna at speci antennas and the lo sectors, only enter of	fied local cations a	ion, ente re the sa	r "N/A". I	f	Mounting Locat	Photos of antennas		
Ants. items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Vertical Distances"b _{1a} , b _{2a} , b _{3a} , b _{1b} " (In.)	Horiz. offset (Use "-" if Ant. is inside)	La, La, La	Photo Numbers
				5	ector A				
Ant _{1a}			Bay		(12) 1 5/8	" FH	10		
Ant _{1b}	LPA 80080 6CF E-DI	5.75	13	72		11	9.5	3	
Ant _{1c}		6.5	1	4.75		20	-1	3	
Ant _{2a}		1							
Ant _{2b}	BXA-171085-12CF-E	6	4.25	72.25		24	6.5	27	
Ant _{2c}	COLUMN TO THE								
Ant _{3a}									
Ant _{3b}	BXA-70063-6CF-EDI	11	5	71		22	6.5	75	
Ant _{3c}									
Ant _{4a}									
Ant _{4b}	LPA 80080 6CF E-DI	5.75	13	72		11	9.5	148	
Ant _{4c}	FD9R6004/2C-3L	6.4	1	4.75		20	1	148	
Ant _{5a}									
Ant _{5b}									
Ant _{sc}									

Azimuth (Degree) of Each Sector and Climbing Information

			_	THE REAL PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO	
Sector A:	0		Deg		_
Sector B:	120	N	Deg		
Sector C:	240	$\exists w$	Deg		
Climbing	120		Deg	Located at Section C	
	Corro	sion Type	:	Good condition	
Climbing	А	ccess:		Climbing path was unobstructed.	
Facility	Coi	ndition:		N/A	

Are Ant same as sector A/B? 5ame As A

Antennas on Sector C are the same as Sector A





Envelope Only Solution

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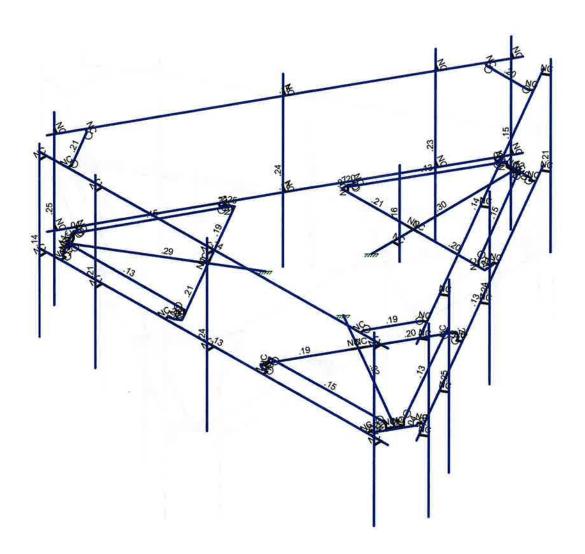
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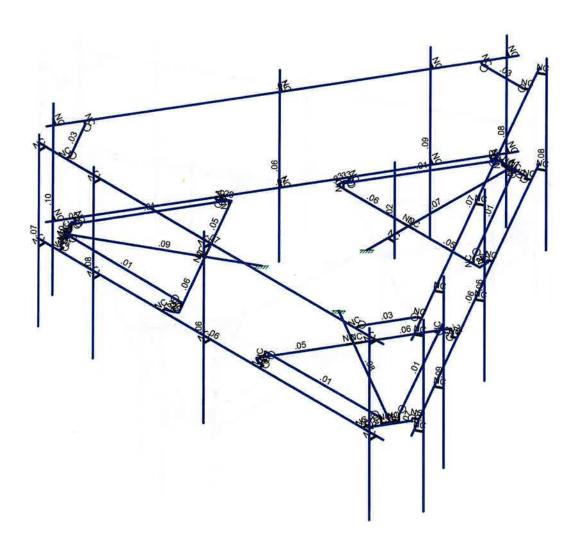


Member Code Checks Displayed (Enveloped) Envelope Only Solution

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Member Shear Checks Displayed (Enveloped) Envelope Only Solution

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Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point 87	Distributed	Area(Me	Surface
1	Antenna D	None					87			
2	Antenna Di	None					87			
	ntenna Wo (0 Deg)	None		_			87			
	ntenna Wo (30 Deg)	None					87			
	ntenna Wo (60 Deg)	None	-		_		87			
	ntenna Wo (90 Deg)	None					87			
	Antenna Wo (120 Deg)	None				_	87			
	Antenna Wo (150 Deg)	None					87			-
	Antenna Wo (180 Deg)	None					87			
	Antenna Wo (210 Deg)	None								
	Antenna Wo (240 Deg)	None	-				87			12 T 11
	Antenna Wo (270 Deg)	None					87			
13	Antenna Wo (300 Deg)	None					87			
14 /	Antenna Wo (330 Deg)	None					87			
15 A	Antenna Wi (0 Deg)	None					87			-
16 A	ntenna Wi (30 Deg)	None					87			
17 A	ntenna Wi (60 Deg)	None					87			
18 A	ntenna Wi (90 Deg)	None					87			-
	Antenna Wi (120 Deg)	None					.87			-
	Antenna Wi (150 Deg)	None					87			1 1
	Antenna Wi (180 Deg)	None					87			
	Antenna Wi (210 Deg)	None					87			
	Antenna Wi (240 Deg)	None					87			
	Antenna Wi (270 Deg)	None					87	COX TO	3 marie	
	Antenna Wi (300 Deg)	None					87			
20	Antenna Wi (330 Deg)	None					87			0.0
	ntenna Wm (0 Deg)	None					87			
	Antenna Wm (30 Deg)	None					87			
	Antenna Wm (60 Deg)	None					87			
	Antenna Wm (90 Deg)	None					87	District the		31 0
-	Antenna Wm (120 Deg)	None	_			1 8 1	87			
-	Antenna Wm (150 Deg)	None					87			
02	Antenna Wm (180 Deg)	None	1				87			
-		None	+				87			
<u> </u>	Antenna Wm (210 Deg)						87			l be
00	Antenna Wm (240 Deg)	None	1				87			
00	Antenna Wm (270 Deg)	None	+				87			
-	Antenna Wm (300 Deg)	None			6.153.00		87	The State of		
	Antenna Wm (330 Deg)	None	+	4			- 07		3	
39	Structure D	None		-1	THE RES			58	3	
40	Structure Di	None						116	<u> </u>	
41 St	tructure Wo (0 Deg)	None						116		-
42 5	Structure Wo (30 Deg)	None								1
	Structure Wo (60 Deg)	None						116		
	Structure Wo (90 Deg)	None						116		
TO	Structure Wo (120 Deg)	None						116		
46 S	Structure Wo (150 Deg)	None						116		-
47 S	Structure Wo (180 Deg)	None						116		-
	Structure Wo (210 Deg)	None						116		-
	Structure Wo (240 Deg)	None						116		
	Structure Wo (270 Deg)	None						116	2 3	
-	Structure Wo (300 Deg)	None						116		-
	Structure Wo (330 Deg)	None						116		-
-	structure Wi (0 Deg)	None						116		
	Structure Wi (30 Deg)	None						116	ii un	
•	Structure Wi (60 Deg)	None						116		
-	Structure Wi (90 Deg)	None	BH I	W. Lind				116		E - 3
-	Structure Wi (120 Deg)	None						116		
<u> </u>	Structure Wi (150 Deg)	None	1-12-1-1	70-1-0	1000		2-3-7	116		
58 8	Stratetic 111 (100 Dog)	[\\\\	-							Page 1

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Basic Load Cases (Continued)

_	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me Surface/
59	Structure Wi (180 Deg)	None				- Jonne	T Onk	116	VIC Carrace(
60	Structure Wi (210 Deg)	None				7 6		116	
61	Structure Wi (240 Deg)	None						116	
62	Structure Wi (270 Deg)	None	ويتماران				100	116	
63	Structure Wi (300 Deg)	None						116	
64	Structure Wi (330 Deg)	None					-11	116	- 12
65	Structure Wm (0 Deg)	None						116	
66	Structure Wm (30 Deg)	None						116	
67	Structure Wm (60 Deg)	None						116	
68	Structure Wm (90 Deg)	None					C21	116	
69	Structure Wm (120 Deg)	None						116	
70	Structure Wm (150 Deg)	None						116	100
71	Structure Wm (180 Deg)	None						116	
72	Structure Wm (210 Deg)	None						116	
73	Structure Wm (240 Deg)	None						116	
74	Structure Wm (270 Deg)	None					EQU.	116	
75	Structure Wm (300 Deg)	None						116	
76	Structure Wm (330 Deg)	None					400	116	
77	Lm1	None					1		
78	Lm2	None					OIL1		Ciar I ex
79	Lv1	None					1		
80	Lv2	None				7	100		
81	Antenna Ev	None					87		
82	Antenna Eh (0 Deg)	None					58		
83	Antenna Eh (90 Deg)	None					58		
84	Structure Ev	ELY		039				3	
85	Structure Eh (0 Deg)	ELZ			098			3	
86	Structure Eh (90 Deg)	ELX	.098					3	-C. III 19 1
87	BLC 39 Transient Area L	None						30	
88	BLC 40 Transient Area L	None					2	30	
89	BLC 84 Transient Area L	None						30	
90	BLC 85 Transient Area L	None						30	
91	BLC 86 Transient Area L	None						30	

Load Combinations

4	Description	30	F	51	SLC	Fac.	BLC	rac.	BLC	Fac.			BLC	Fac.	BLC	Fac.	BLC	Fac.	BLC	Fac.	BLC	Fac.	BLC	Fa
1	1.2D+1.0Wo (0 Deg)	Yes			1	1.2	39	1.2	3	1	41	1												
2					1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)				1	1.2	39	1.2	5	1	43	1												\vdash
4	1.2D+1.0Wo (90 Deg)				1	1.2	39	1.2	6	1	44	1				nay.				=11				
5	1.2D+1.0Wo (120 Deg)	Yes	Υ		1	1.2	39	1.2	7	1	45	1	\vdash											\vdash
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1	\vdash						100					\vdash
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1			1					-		-		\vdash
8	1.2D+1.0Wo (210 Deg)			\Box	1	12	_	1.2	10	1	48	1							100	- N		_		-
9	1.2D+1.0Wo (240 Deg)				1	12	39	1.2	11	1	49	1		_	\vdash		- 1					-		\vdash
10	1.2D+1.0Wo (270 Deg)				1	12	39	1.2	12	4	50	1			1			-						-
11	1.2D+1.0Wo (300 Deg)				1	1.2	39	1.2	13	1	51	1			1									-
12	1.2D+1.0Wo (330 Deg)				1	1.2	39	_	14	4	52	1						- Ida						\vdash
13	1.2D + 1.0Di + 1.0Wi (1	1.2	39		2	1	40	1	15	1	53	4			-	_				┈
14	1.2D + 1.0Di + 1.0Wi (_	_		1	12	39	1.2	2	1	40	-1	16	1	54	4		S 10		7				\vdash
15	1.2D + 1.0Di + 1.0Wi (Yes	Ÿ		1	1.2	39	1.2	2	1	40	1	17	1	55	1								\vdash
16	1.2D + 1.0Di + 1.0Wi (1	1.2	39	1.2	2	1	40	4	18	1	56	4			-					-
17	1.2D + 1.0Di + 1.0Wi (1	1.2	39	1.2	2	4	_	-	_	4		1	-	-						
18	1.2D + 1.0Di + 1.0Wi (_			1	1.2	-		_	4	40	1	19	1	57	1						_		_
19	1.2D + 1.0Di + 1.0Wi (_	<u> </u>		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
					1	1.2	39	1.2	2	1_	40	1	21	1	59	1								_
20	1.2D + 1.0Di + 1.0Wi (1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21_	1.2D + 1.0Di + 1.0Wi (Yes	<u>Y</u>		1	1.2	39	1.2	2	1	40	1	23	1	61	-1								



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Load Combinations (Continued)

	d Combinations (C- 1		0 0	110	Eac	BI C	Fac	RI C	Fac	BLC	Fac.	BLC	Fac	BLC	Fac	BLC	Fac	BLC	Fac.	BLC	Fac.	BLC	Fac
	Description 1.2D + 1.0Di + 1.0Wi (Vec	VI		1	12	30	1.2	2	1	40	1	24	1	62	1								
-				_		1.2			2	1	40	1	25	1	63	1								
	1.2D + 1.0Di + 1.0Wi (_	2.0	100			2	4	40	1	26	_	64	1								
	1.2D + 1.0Di + 1.0Wi (-	1	1.2		1.2	_		_	.	65	1	- ' 			11						
	1.2D + 1.5Lm1 + 1.0	Yes	Y		1	1.2	39			_	27	1	-	-	\neg			1010						
26	1.2D + 1.5Lm1 + 1.0	Yes	Y		1	1.2				1.5		1_	66	1	-									
27	1.2D + 1.5Lm1 + 1.0	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1	-	-	-	-						
28	1.2D + 1.5Lm1 + 1.0	Yes	Y		1	1.2	39	1.2		1.5		1_	68	1	\dashv		-	-				-		-
	1.2D + 1.5Lm1 + 1.0	Yes	Y		1	1.2		1.2				1	69	1	_				_		-	_		
	1.2D + 1.5Lm1 + 1.0	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1							-	-	-	-
_	1.2D + 1.5Lm1 + 1.0	Yes	-		1	1.2	39		77	1.5	33	1	71	1	\Box						_	_	_	_
31	1.2D + 1.5Lm1 + 1.0	Yes			1	12	39			1.5		1	72	1										
	1.2D + 1.5Lm1 + 1.0	Yes			1	12	30	12	77	1.5	35	1	73	1										
				-	1	1.2	30	12	77	1.5	36	1	74	1										
34_	1.2D + 1.5Lm1 + 1.0	Yes	-	-	-		20	1.2	77	1.5	37	1	75	1										
35	1.2D + 1.5Lm1 + 1.0	Yes	100	-	1	1.2						1	76	1		-								
36	1.2D + 1.5Lm1 + 1.0	Yes		_	1	_	39	1.2	77	1.5	27	_	65	1	H									
37	1.2D + 1.5Lm2 + 1.0	Yes	Y	_	1					1.5		1	-											
38	1.2D + 1.5Lm2 + 1.0	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1	\vdash	_	-					1		
39	1.2D + 1.5Lm2 + 1.0	Yes	Y		1					1.5		1	67	1	-		-					1		
40	1.2D + 1.5Lm2 + 1.0	Yes	Y		1	1.2	39	1.2	78	1,5	30	1	68	1	Н			-			+-	+-	1	H
41	1.2D + 1.5Lm2 + 1.0	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69							-	-	-	-	\vdash
42	1.2D + 1.5Lm2 + 1.0	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1					_	-	-	-	-	\vdash
-	1.2D + 1.5Lm2 + 1.0	Yes			1	1.2	39	1.2	78	1.5	33	1	71	1_						_	\perp	—	-	⊢
43	1.2D + 1.5Lm2 + 1.0	Yes	-		1	12	39	1.2	78	1.5	34	1	72	1	E								-	1
44	1.2D + 1.5Lm2 + 1.0	Yes	-	\neg	1	12	30	12	78	1.5	35	1	73	1									_	L
45		-	_		1	1.2	30	12	78	1.5	36	1	74	1						111				
46	1.2D + 1.5Lm2 + 1.0	Yes		-	_		30	1.2	70	1.5	37	1	75	1										
47	1.2D + 1.5Lm2 + 1.0	Yes	-		1	1.2						_	76											
48	1.2D + 1.5Lm2 + 1.0	Yes	-		1		39	1.2	70	1.5	30	-	10	-	-									Т
49	1.2D + 1.5Lv1	Yes	Y	_	1	1.2				1.5											1			
50	1.2D + 1.5Lv2	Yes	Y	\Box	1				80	1.5	-	-	+		-		_				1	1	1	1
51	1.4D	Yes	Y		1			1.4	_	_			-		00	_	ELZ	1	ELX	-	1	+	1	+
52	1.2D + 1.0Ev + 1.0Eh	Yes	Y		1	1.2		1.2		_	ELY	-	82		83					_	+	+	+	+-
53	1.2D + 1.0Ev + 1.0Eh	Yes	Y		1	1.2		1.2		1	ELY	-	82		-			.866	EL	.5		+	+-	+
54	1.2D + 1.0Ev + 1.0Eh	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	_	83	.866		_	7,700	.866	4	-	-	+
-	1.2D + 1.0Ev + 1.0Eh	Yes	Y		1	1.2	39	1.2	81	1	ELY	11	82		83	1	ELZ		ELX		1	_	_	+
55	1.2D + 1.0Ev + 1.0Eh	Yes	_		1	1.2		1.2		1	ELY	11	82	5	83	.866	ELZ	5	ELX	866	<u>'</u>	4_	_	-
<u>56</u>	1.2D + 1.0Ev + 1.0Eh	Yes	_		1	1.2		1.2	81	1	ELY	11	82	866	83	.5	ELZ	866	(EL)	<u>5. P</u>	_	1	_	1_
<u>57</u>		Yes		-	1	1.2		1.2	_	1	ELY	11	82	-1	83		ELZ		EL)					
<u>58</u>	1.2D + 1.0Ev + 1.0Eh	-	_		_	1.2	_	1.2	81	1	ELY	-	82	-	83	5	ELZ	866	EL	₹5				
<u>59</u>	1.2D + 1.0Ev + 1.0Eh	Yes	_		1	-	_		81	_	ELY	_	82	- 5	83	866	ELZ	5	EL)	4.86€	3	T		
60	1.2D + 1.0Ev + 1.0Eh	_			1	1.2		1.2	_	1	ELY	-	82		83		ELZ		EL					Τ
61	1.2D + 1.0Ev + 1.0Eh	Yes			1	1.2		1.2	81	-	_	-	82	5	03					.86	5			1
62	1.2D + 1.0Ev + 1.0Eh	Yes			1	1.2	39	1.2	81		ELY		02	.866	03	.00C	E1 7	866	(FL)	5	1	-	1	†
63	1.2D + 1.0Ev + 1.0Eh	Yes	Y		1			1.2			ELY		02		00	5	E1 7	1	EL	1 .0	+-	1	+	+
64	0.9D - 1.0Ev + 1.0Eh (.	. Yes	Y		1	.9	39	.9	81	-	_	_		7	83	-	E1.2	000	EL	} =	-	-	+-	+
65	0.9D - 1.0Ev + 1.0Eh (.	Yes	Y		1	.9	39	.9	81			1-1		.866	83	.5	ELZ	.000	PLL/	C. (+-	+-	+-	+
66	0.9D - 1.0Ev + 1.0Eh (.	Yes	Y		1	.9	39	.9	81	-1	ELY			.5			ELZ	.5	CL/	1.000	-	+-	-	+
67	0.9D - 1.0Ev + 1.0Eh (.				1	.9	_		81		ELY	1-1	82		83		ELZ			¥ 1		_	+	+
_	0.9D - 1.0Ev + 1.0Eh (.			\vdash	1	.9		.9	_	_	ELY	1-1	82	5	83	.866	ELZ	5	EL	4.866	3		-	1
68				1	1	.9		.9	81	_			_	866			ELZ	866	(EL)	<u>.5</u>		_	\perp	
69	0.9D - 1.0EV + 1.0ER (.	Va	1	-	_		_	.9	81	-	_	-	_		83	_		-1						
70	0.9D - 1.0Ev + 1.0Eh (.	Yes	Y	1	1	.9	_	_	-	_	ELY			866	83	- 5								T
71	0.9D - 1.0Ev + 1.0Eh (.			_	1	.9	1000000			_		1		E	83	866	EL7	- 5	EL	X86	6		1	T
72	0.9D - 1.0Ev + 1.0Eh (.				1	.9	_	_				1-1			03	-1	FI 7		FL	X -1	+	1	1	1
73	0.9D - 1.0Ev + 1.0Eh (.	Yes	Y		1	.9	-		81		ELY			-	103	-1	E1 7	-		X86			+	+
74	TOTAL ANTI-	. Yes	Y		1	.9	39	.9		_	ELY		82	.5	03	000	===	C.	E	1.00	-	+	+	+
	0.9D - 1.0Ev + 1.0Eh (.			1	1	.9	39	.9	81	-1	ELY	1 -1	82	.866	03	5	LLZ	.000	1	10	1			

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: 5000247368-VZW_MT_LO_H

July 3, 2023 4:23 PM Checked By:____

Joint Coordinates and Temperatures

1	Label N1	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap.
2	N2	6.25	0	4.03969	0	
3	N8		0	4.03969	0	
4	N9	6	0	4.03969	0	
5	N10	-6	0	4.28969	Q	
6	N11	-6	0	4.03969	0	
7	N12	0.	0	4.28969	0	THE REAL PROPERTY.
8	N13	0.	0	4.03969	0	
9	N14		0	4.28969	0	
10	N15	-4	0	4.03969	0	
11	N16	-4 -4	0	4.28969	0	
12	N17	-4	-2.5	4.28969	0	
13	N18		3.5	4.28969	0	
14	N19	-6	-2.5	4.28969	0	
15	N20	-6	3.5	4.28969	0	
16	N21	0.	-2.5	4.28969	0	
17	N22	0.	3.5	4.28969	0	
18	N23	6	-2.5	4.28969	0	
19	CP	6	3.5	4.28969	0	
20		0	0	0	0	
	N105A	-1.761595	0	4.03969	0	
21	N109	-5.499996	0	4.03969	0	
	N161A	1.761595	0	4.03969	0	
23	N162A	5.499996	0	4.03969	0	
24	N163A	0.373474	0	-7.432504	0	
25	N164A	6.623474	0	3.392814	0	
26	N167A	6.498474	0	3.176307	0	
27	N168A	6.71498	0	3.051307	0	
28	N175A	6.71498	-2.5	3.051307	0	
29	N176A	6.71498	3.5	3.051307	0	
30	N181A	4.379276	0	-0.494252	0	
31	N182A	6.248476	0	2.743298	0	
32	N183A	2.617672	0	-3.545438	0	
33	N184A	0.748472	0	-6.782988	0	
34	N185A	-6.623474	0	3.392814	0	
35	N186A	-0.373474	0	-7.432504	0	
36	N189A	-0.498474	. 0	-7.215997	0	
37	N190A	-0.71498	0	-7.340997	0	
38	N197A	-0.71498	-2.5	-7.340997	0	
39	N198A	-0.71498	3.5	-7.340997	0	
40	N203A	-2.617672	0	-3.545438	0	
41	N204A	-0.748472	0	-6.782988	0	
42	N205A	-4.379276	0	-0.494252	0	
43	N206A	-6.248476	0	2.743298	0	
44	N207A	-1.405485	0	3.784481	0	
45	N208A	-1.594929	0	3.893856	0	
46	N209A	-1.761595	0	3.893856	0	
47	N210A	-5.499996	0	3.873628	0	
48	N212A	-5.611975	0	3.873628	0	
49	N214A	1.405485	0	3.784481	0	
50	N215A	1.594929	0	3.893856	0	
51	N216A	1.761595	0	3.893856	0	
52	N217A	5.499996	0	3.873628	0	
53	N218A	5.611975	0	3.873628	0	
54	N221A	3.9802	0	-0.675054	0	
55	N222A	4.169643	0	-0.565679	0	
56	N223A	4.252976	0	-0.421342	0	
57	N224A	6.104658	0	2.826322	0	
58	N225A	6.160647	0	2.923299	0	

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July 3, 2023 4:23 PM Checked By:_

	Label	emperatures (Con	Y [ft]	Z [ft]	Temp [F]	Detach From Dia
59	N226A	2.574714	0	-3.109427	0	
60	N227A	2.574714	0	-3.328177	0	3877
61	N228A	2.491381	0	-3.472514	0	
32	N229A	0.604662	0	-6.69995	0	
33	N230A	0.548672	0	-6.796927	0	
34	N235A	-2.574714	0	-3.109427	0	1883
35	N236A	-2.574714	0	-3.328177	0	
66	N237A	-2.491381	0	-3.472514	0	
57	N238A	-0.604662	0	-6.69995	0	
	N239A	-0.548672	0	-6.796927	0	
88	N240A	-3.9802	0	-0.675054	0	
39	N241A	-4.169643	0	-0.565679	0	
70	N242A	-4.252976	0	-0.421342	0	
71		-6.104658	0	2.826322	0	1 17
72	N243A	-6.160647	0	2.923299	0	
73	N244A	-0.	0	-6.796927	0	
74	N237B	-0.	0	-1.609427	0	
75	N238B	-5.886311	0	3.398463	0	
76	N239B	-1.393804	0	0.804713	0	
77	N240B		0	3.398463	0	III (US)
78	N241B	5.886311	0	0.804713	0	
79	N242B	1.393804	0	-6.713593	0	1 24
80	N243B	-0.	0	-6.713593	0	
81	N244B	0.23425	0	-6.713593	0	1 1 1
82	N245A	-0.23425	0.166667	-6.713593	0	
83	N246A	0.23425		-6.713593	0	
84	N247A	-0.23425	0.166667	-3.109427	Ö	
85	N248A	-2.348152	0	-3.109427	Ö	1.04
86	N249A	-2.348152	0.166667	-3.109427	0	
87	N251A	2.348152	0	-3.109427	0	1 100
88	N252A	2.348152	0.166667	3.15393	0	
89	N252B	-5.931267	0		0	X TOTAL STREET
90	N253A	-5.697017	0	3.559663	0	
91	N254A	-5.931267	0.166667	3.15393	0	9 110
92	N255A	-5.697017	0.166667	3.559663	0	
93	N256A	-1.518767	0	3.588272	0	
94	N257A	-1.518767	0.166667	3.588272		
95	N258A	-3.866918	0	-0.478846	0	
96	N259A	-3.866918	0.166667	-0.478846	0	
97	N260A	5.697017	0	3.559663	0	
98	N261A	5.931267	0	3.15393	0	S 1 10
99	N262A	5.697017	0.166667	3.559663	0	
100	N263A	5.931267	0.166667	3.15393	0	
101	N264A	3.866918	0	-0.478846	0	
102	N265A	3.866918	0.166667	-0.478846	0	
103	N266A	1.518767	0	3.588272	0	
104	N267A	1.518767	0.166667	3.588272	0	
	N268A	-2.592985	0	1.727671	0	
105	N269A	-0.199714	0	-3.109427	0	
106	N270A	2.7927	0	1.381756	0	
107	N271A	-2.792694	0	1.381766	0	
108		0.199703	0	-3.109427	0	
109	N272A	2.592991	0	1.727661	0	
110	N273A	-2.692843	0	1.554713	0	
111	N274A	-2.692643	0	-3.109427	0	
112	N275A		0	1.554713	0	
113	N276A	2.692843	0	-7.215997	0	
114	N114	0.498474	0	-7.340997	0	
115	N115	0.71498	0	-2.019845	0	
116	N116	3.498474	0	-2.144845	0	
117	N117	3.71498			ZW MT LO	

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: 5000247368-VZW_MT_LO_H

July 3, 2023 4:24 PM Checked By:_

Joint Coordinates and Temperatures (Continued)

118	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
119	N118	5.498474	0	1.444257	0	
120	N119 N120	5.71498	0	1.319257	0	
121	N121	5.71498	-2.5	1,319257	0	
122	N122	5.71498	3.5	1.319257	0	
123	N123	3.71498	-2.5	-2.144845	0	
124	N124	3.71498	3.5	-2.144845	0	
125	N125	0.71498	-2.5	-7.340997	0	
126	N126	0.71498 -6.498474	3.5	-7.340997	0	
127	N127		0	3.176307	0	
128	N128	-6.71498	0	3.051307	0	
129	N129	-3.498474 -3.71498	0	-2.019845	0	
130	N130	-1.498474	0	-2.144845	0	
131	N131	-1.71498	0	-5.483947	0	
132	N132	-1.71498	0	-5.608947	0	
133	N133	-1.71498	-2.5	-5.608947	0	
134	N134	-3.71498	3.5	-5.608947	0	
135	N135	-3.71498	-2.5	-2.144845	0	
136	N136	-6.71498	3.5	-2.144845	0	
137	N137		-2.5	3.051307	0	
138	N138	-6.71498 -5.814142	3.5	3.051307	0	
139	N141	5.814142	0	3.356797	0	
140	N140	6.25	0	3.356797	0	
141	N141A	-6.25	3	4.03969	0	
142	N142		3	4.03969	0	
143	N142 N143	6	3	4.03969	0	
144	N144	6 -6	3	4.28969	0	
145	N145	-6	3	4.03969	0	
146	N146	0.	3	4.28969	0	
147	N147	0.	3	4.03969	0	
148	N148	-4	3	4.28969	0	
149	N149	-4	3	4.03969	0	
150	N150	0.373474	3	4.28969	0	
151	N151	6.623474	3	-7.432504	0	
152	N152	0.498474	3	3.392814	0	
153	N153	0.71498	3	-7.215997	0	
154	N154	6.498474	3	-7.340997	0	
155	N155	6.71498	3	3.176307	0	
156	N156	3.498474	3	3.051307 -2.019845	0	-
157	N157	3.71498	3		0	
158	N158	5.498474	3	-2.144845 1.444257	0	
159	N159	5.71498	3	1.319257	0	
160	N160	-6.623474	3		0	
161	N161	-0.373474	3	3.392814 -7.432504	0	
162	N162	-6.498474	3	3.176307	0	
163	N163	-6.71498	3	3.051307	0	
164	N164	-0.498474	3	-7.215997		
165	N165	-0.71498	3		0	
166	N166	-3.498474	3	-7.340997	0	
167	N167	-3.71498	3	-2.019845 -2.144845	0	
168	N168	-1.498474	3	-5.483947	0	
169	N169	-1.71498	3		0	
170	N170	-5.25	3	-5.608947 4.03969	0	
171	N181	5.25	3	4.03969	0	
172	N182	6.123474	3	2.526788	0	
173	N183	0.873474	3	-6.566478	0	war and the same
74	N184	-0.873474	3	-6.566478		
175	N185	-6.123474	3	2.526788	0	
110						

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July 3, 2023 4:24 PM Checked By:_

Joint Coordinates and Temperatures (Continued)

	Tentor.	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap.
477	Label	.25	0	-2.359427	0	
177	N177	.25	2.5	-2.359427	0	
178	N178	.25	5	-2.359427	0	
179	N179	-5.25	3	3.893857	0	
180	N180		3	3.893857	0	
181	N181B	5.25	3	2.599705	0	
182	N185B	5.997179	3	-6.493562	0	
183	N186	0.747179	3	-6.493562	Ö	TALL Y
184	N190	-0.747179	3	2,599705	0	
185	N191	-5.997179	3	2.599705		_

Hot Rolled Steel Section Sets

•	Rolled Steel Set	Shape	Type	Design List	Material	Design R	A [in2]	lyy [in4]	Izz [in4]	J [in4]
_	Label	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
1_	Face Horizontal		Beam	SquareTube	A500 Gr.B	Typical	3.37	7.8	7.8	12.8
2	Standoff Horizontal	HSS4X4X4		RECT	A36 Gr.36		3	.063	9	.237
3_	Corner Plate	PL1/2X6	Beam	SquareTube	A500 Gr.B	Typical	2.58	6.21	6.21	10
4	Platform Crossmem	HSS4X4X3	Beam	Single Angle	A36 Gr.36		.722	.271	.271	.009
5	Grating Support	L2x2x3	Beam		A53 Gr.B	Typical	1.02	.627	.627	1.25
6	Mount Pipe	PIPE 2.0	Column	Pipe	A36 Gr.36		2.25	.026	6.75	.101
7	Cross Arm Plate	PL3/8x6	Beam	RECT	-		1.02	.627	.627	1.25
8	HRK	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical		1.23	1.23	.031
9	Connector Angle	L3X3X4	Beam	Single Angle	A36 Gr.36		1.44		1.45	2.89
10	Dual Mount Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45		2.89
11	Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.09

Hot Rolled Steel Properties

	Rolled Steel Pl	E [ksi]	G [ksi]	Nu	Therm (/1	Density[k/f	Yield[ksi]	Ry	Fu[ksi]	Rt
_	Label	29000	11154	.3	.65	.49	50	1.1	65	1.1
1_	A992			.3	.65	.49	36	1.5	58	1.2
2	A36 Gr.36	29000	11154		.65	.49	50	1.1	65	1.1
3	A572 Gr.50	29000	11154	.3	.65	.527	42	1.4	58	1.3
4	A500 Gr.B RND	29000	11154	.3			46	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	35	1.6	60	1.2
6	A53 Gr.B	29000	11154	.3	.65	.49			65	1.3
7	A1085	29000	11154	.3	.65	.49	50	1.4		1.2
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	oer Priillai	***************************************	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
	Label	I Joint	N2	K JOHN		Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
1	M1	N1				RIGID	None	None	RIGID	Typical
2	M19	N8	N9		+	RIGID	None	None	RIGID	Typical
3	M20	N10	N11			RIGID	None	None	RIGID	Typical
4	M21	N12	N13		+	RIGID	None	None	RIGID	Typical
5	M22	N14	N15			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
6	MP3A	N17	N16					Pipe	A53 Gr.B	
7	MP4A	N19	N18				Column		A53 Gr.B	The second secon
8	MP2A	N21	N20				Column	Pipe		1122 CARSON CO.
9	MP1A	N23	N22			1175 5115 1 1 1	Column	Pipe	A53 Gr.B	
10	M109A	N163A	N164A			Face Horizontal	Beam	Pipe	A53 Gr.B	
11	M111A	N167A	N168A			RIGID	None	None	RIGID	Typical
12	MP4C	N176A	N175A			Mount Pipe	Column	Pipe	A53 Gr.B	
_	M118A	N185A	N186A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
13		N189A	N190A			RIGID	None	None	RIGID	Typical
14	M120A		N197A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
15	MP4B	N198A		-		Cross Arm Plate		RECT	A36 Gr.36	Typical
16	M127A	N207A	N208A		+	Cross Arm Plate	-	RECT	A36 Gr.36	Typical
17	M128A	N208A	N209A			1	, Dodin I			

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate/dea	Section/Shape	Type	Decise List	MARKETER	B. A. B.
18	M129A	N209A	N105A	I COMM	rotatefued	RIGID	None	Design List None	Material	Design Rules
19	M130A	N212A	N210A			Corner Plate			RIGID A36 Gr.36	Typical
20	M131A	N210A	N109			RIGID	None	None	RIGID	101001
21	M132A	N214A	N215A			Cross Arm Plate		RECT	A36 Gr.36	Typical
22	M133A	N215A	N216A			Cross Arm Plate		RECT	A36 Gr.36	Typical
23	M134A	N216A	N161A			RIGID	None			Typical
24	M135A	N218A	N217A			Corner Plate		None	RIGID A36 Gr.36	Typical
25	M136A	N217A	N162A			RIGID		RECT		Typical
26	M137A	N221A	N222A	100 E		Cross Arm Plate	None	None	RIGID	Typical
27	M138A	N222A	N223A		-	Cross Arm Plate	202111	RECT	A36 Gr.36	Typical
28	M139A	N223A	N181A				D 0 01111	RECT	A36 Gr.36	Typical
29	M140A	N225A	N224A		_	RIGID	None	None	RIGID	Typical
30	M141A	N224A		-		Comer Plate	Beam	RECT	A36 Gr.36	Typical
31	M142A	N226A	N182A			RIGID	None	None	RIGID	Typical
32	M143A		N227A			Cross Arm Plate	Dogni	RECT	A36 Gr.36	Typical
		N227A	N228A			Cross Arm Plate		RECT	A36 Gr.36	Typical
33 34	M144A	N228A	N183A			RIGID	None	None	RIGID	Typical
	M145A	N230A	N229A			Comer Plate	Beam	RECT	A36 Gr.36	Typical
35	M146A	N229A	N184A			RIGID	None	None	RIGID	Typical
36	M147A	N235A	N236A			Cross Arm Plate		RECT	A36 Gr.36	Typical
37	M148A	N236A	N237A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
38	M149A	N237A	N203A			RIGID	None	None	RIGID	Typical
39	M150A	N239A	N238A			Comer Plate	Beam	RECT	A36 Gr.36	Typical
40	M151A	N238A	N204A			RIGID	None	None	RIGID	Typical
41	M152A	N240A	N241A			Cross Arm Plate		RECT	A36 Gr.36	Typical
42	M153A	N241A	N242A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
43	M154A	N242A	N205A			RIGID	None	None	RIGID	Typical
44	M155A	N244A	N243A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
45	M156A	N243A	N206A			RIGID	None	None	RIGID	Typical
46	M157A	N212A	N244A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
47	M158A	N239A	N230A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
48	M159A	N225A	N218A			Comer Plate	Beam	RECT	A36 Gr.36	Typical
49	M160A	N207A	N268A			Platform Cross.	Beam	SquareTube		Typical
50	M161A	N235A	N269A	1 1 1 1 1 1		Platform Cross.	Beam	SquareTube		
51	M162A	N221A	N270A			Platform Cross.	Beam	SquareTube		Typical
52	M163A	N237B	N238B			Standoff Horiz	Beam	SquareTube		Typical
53	M164A	N239B	N240B			Standoff Horiz	Beam	SquareTube		Typical
54	M165A	N241B	N242B			Standoff Horiz				Typical
55	M166A	N245A	N243B				Beam	SquareTube		Typical
56	M167A	N244B	N243B			RIGID	None	None	RIGID	Typical
57	M168A	N247A	N245A			RIGID	None	None	RIGID	Typical
58	M169A	N246A	N244B			RIGID	None	None	RIGID	Typical
59	M170A	N249A	N244B N248A			RIGID	None	None	RIGID	Typical
60	M171A					RIGID	None	None	RIGID	Typical
		N249A	N247A			Grating Support		Single Angle		Typical
61	M172A	N252A	N251A			RIGID	None	None	RIGID	Typical
62	M173A	N252A	N246A		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
63	M174A	N255A	N253A			RIGID	None	None	RIGID	Typical
64	M175A	N254A	N252B			RIGID	None	None	RIGID	Typical
65	M176A	N257A	N256A			RIGID	None	None	RIGID	Typical
66	M177A	N257A	N255A			Brating Support		Single Angle	A36 Gr.36	Typical
67	M178A	N259A	N258A			RIGID	None	None	RIGID	Typical
68	M179A	N259A	N254A		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
69	M180A	N263A	N261A			RIGID	None	None	RIGID	Typical
70	M181A	N262A	N260A			RIGID	None	None	RIGID	Typical
71	M182A	N265A	N264A			RIGID	None	None	RIGID	Typical
72	M183A	N265A	N263A		0		Beam	Single Angle		Typical
73	M184A	N267A	N266A			RIGID	None	None	RIGID	Typical
74	M185A	N267A	N262A		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
75	M186A	N268A	N274A			RIGID	None	None	RIGID	Typical
76	M187A	N269A	N275A			RIGID	None	None	RIGID	
	2D Versier					ועוטוט	140116	HUHE	עוטוע	Typical



Company Designer Job Number Model Name Colliers Engineering & Design

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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List None	Material RIGID	Design Rule Typical
77	M188A	N270A	N276A			RIGID	None	SquareTube	A500 Gr B	Typical
78	M189A	N271A	N240A	251		Platform Cross.	Beam	SquareTube	A500 Gr.B.	Typical
79	M190A	N272A	N226A			Platform Cross		SquareTube	A500 Gr B	Typical
80	M191A	N273A	N214A	100		Platform Cross	Beam	SquareTube	RIGID	Typical
81	M192A	N274A	N271A			RIGID	None	None		Typical
82	M193A	N275A	N272A	MAY I		RIGID	None	None	RIGID	Typical
83	M194A	N276A	N273A			RIGID	None	None	RIGID	
84	M84	N114	N115			RIGID	None	None	RIGID	Typical
85	M85	N116	N117			RIGID	None	None	RIGID	Typical
86	M86	N118	N119			RIGID	None	None	RIGID	Typical
	MP3C	N121	N120			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
87	MP2C	N123	N122	100		Dual Mount Pi	Column		A53 Gr.B	Typical
88	MP1C	N125	N124			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89		N126	N127			RIGID	None	None	RIGID	Typical
90	M90	N128	N129			RIGID	None	None	RIGID	Typica
91	M91		N131	THE PLAN		RIGID	None	None	RIGID	Typica
92	M92	N130	N131			Mount Pipe	Column	Pipe	A53 Gr.B	Typica
93	MP3B	N133	N134	T-17		Dual Mount Pi	Column		A53 Gr.B	Typica
94	MP2B	N135			1	Mount Pipe	Column	Pipe	A53 Gr.B	Typica
95	MP1B	N137	N136	TENT T	+ =	RIGID	None	None	RIGID	Typica
96	M96	N253A	N138		+	RIGID	None	None	RIGID	Typica
97	M97	N252B	N138		-	RIGID	None	None	RIGID	Typica
98	M98	N261A	N141		-	RIGID	None	None	RIGID	Typica
99	M99	N260A	N141		_	RIGID	None	None	RIGID	Typica
100	M100	N142	N143			RIGID	None	None	RIGID	Typica
101	M101	N144	N145			RIGID	None	None	RIGID	Typica
102	M102	N146	N147		4		None	None	RIGID	Typica
103	M103	N148	N149			RIGID		Pipe	A53 Gr.B	Typica
104	M104	N141A	N140			Support Rail	Beam	None	RIGID	Typica
105	M105	N152	N153			RIGID	None	None	RIGID	Typica
106	M106	N154	N155			RIGID	None		RIGID	Typica
107	M107	N156	N157			RIGID	None	None	RIGID	Typica
108	M108	N158	N159			RIGID	None	None	A53 Gr.B	Typica
109	M109	N151	N150			Support Rail		Pipe		Typica
110	M110	N162	N163	UI O		RIGID	None	None	RIGID	Typica
111	M111	N164	N165			RIGID	None	None	RIGID	
112	M112	N166	N167			RIGID	None	None	RIGID	Typica
113	M113	N168	N169			RIGID	None	None	RIGID	Typica
114	M114	N161	N160			Support Rail		Pipe	A53 Gr.B	Typica
	M115	N191	N180		180	Connector Ang.	Beam	Single Angle	A36 Gr.36	Typica
115	M116	N181B	N185B		180	Connector Ang.	Beam	Single Angle	A36 Gr.36	Typica
116	M116 M117	N186	N190		180	Connector Ang.			A36 Gr.36	Typica
117		N178	N179			Mount Pipe	Column	Pipe	A53 Gr.B	
118	OVP		N177			RIGID	None	None	RIGID	Typica
119	M119	N176	N180	ESV I		RIGID	None	None	RIGID	Typica
120	M120	N170				RIGID	None	None	RIGID	Typica
121	M121	N181	N181B			RIGID	None	None	RIGID	Typica
122	M122	N170	N180			RIGID	None	None	RIGID	Typica
123	M123	N181	N181B			RIGID	None	None	RIGID	Typica
124	M124	N182	N185B		+	RIGID	None	None	RIGID	Typica
125	M125	N183	N186	1000	+	RIGID	None	None	RIGID	Typica
126	M126	N182	N185B		+	RIGID	None	None	RIGID	Typica
127	M127	N183	N186				None	None	RIGID	Typica
128	M128	N184	N190			RIGID		None	RIGID	Typica
129	M129	N185	N191			RIGID	None		RIGID	Typica
130	M130	N184	N190			RIGID	None	None	RIGID	Typica
131	M131	N185	N191			RIGID	None	None	LKIGID	Typica

: Colliers Engineering & Design

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Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physica	al Defl Rat.	Analysis	Inactive	Seismic.
1	M1						Yes	Default		- HIGGITO	None
2	M19						Yes	** NA **		TO NOTE OF	None
3	M20						Yes	** NA **			None
4	M21		2 10				Yes	** NA **	LUI		None
5	M22						Yes	** NA **			None
6	MP3A						Yes	** NA **		F State	None
7	MP4A						Yes	** NA **			None
8	MP2A				Units		Yes	** NA **			None
9	MP1A						Yes	** NA **			
10	M109A						Yes	Default		1	None
11	M111A			-			Yes	** NA **			None
12	MP4C	A PER					Yes	** NA **			None
13	M118A						Yes	Default			None
14	M120A				SA.FA		Yes	** NA **			None
15	MP4B						Yes	** NA **			None
16	M127A			LA	and the second			IVA			None
17	M128A						Yes				None
18	M129A	100	BenPIN				Yes	** NA **			None
19	M130A		Deni ile				Yes	IVA			None
20	M131A		BenPIN				Yes	** *! * **			None
21	M132A		Delirity				Yes	** NA **			None
22	M133A						Yes				None
23	M134A		PopDIN				Yes	44 114 44		175.00	None
24	M135A		BenPIN				Yes	** NA **			None
25	M136A		Dan DIN				Yes	200	114711		None
26	M137A		BenPIN				Yes	** NA **			None
27	M138A						Yes				None
28	M139A						Yes				None
29			BenPIN		113		Yes	** NA **	4513	I Maria	None
	M140A	-					Yes				None
30	M141A		BenPIN				Yes	** NA **			None
31	M142A						Yes			P	None
32	M143A						Yes	الباتين			None
33	M144A		BenPIN				Yes	** NA **			None
34	M145A						Yes		187.00	1 100	None
35	M146A		BenPIN				Yes	** NA **			None
36	M147A						Yes	117/11			None
37	M148A						Yes				None
38	M149A		BenPIN				Yes	** NA **			None
39	M150A						Yes				None
40	M151A		BenPIN				Yes	** NA **			None
41	M152A						Yes				None
42	M153A						Yes				None
43	M154A		BenPIN				Yes	** NA **			
44	M155A		gt - Carry				Yes	2010			None
45	M156A		BenPIN				Yes	** NA **		1000	None
46	M157A	A TOTAL					Yes	147			None
47	M158A						Yes				None
48	M159A			1 11	ST TO		Yes				None
49	M160A							20.			None
50	M161A						Yes				None
51	M162A						Yes				None
52	M163A						Yes				None
53	M164A						Yes		Miles	TO BOLL I	None
54	M165A						Yes				None
55	M166A						Yes				None
56	M167A						Yes	** NA **			None
57							Yes	** NA **			None
58	M168A						Yes	** NA **			None
00	M169A						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defi Rat	Analysis	Inactive	Seismic. None
59	M170A						Yes	··· NA	_		
60	M171A	00000X	00000X	THE Y			Yes	** * * * *			None
61	M172A						Yes	** NA **			None
62	M173A	000000	0000X0				Yes	** *! * **	- VOO		None
63	M174A						Yes_	** NA **			
64	M175A		100				Yes	** NA	1XOO		None
65	M176A						Yes	NA	_		None
66	M177A	00000X	00000X				Yes	44 1 1 4 44		IDOL ASIS	None
67	M178A						Yes	** NA **			None
68	M179A	000000	000000				Yes		HOUR		None
69	M180A						Yes	** NA **			None
70	M181A		11.00	_IV II			Yes	** NA **	DUJER	1011	None
71	M182A						Yes	** NA **			None
72	M183A	00000X	00000X				Yes		IVA V		None
73	M184A	00000					Yes	** NA **			None
74	M185A	OOOOXO	000000				Yes				None
75	M186A	COCCATO			_		Yes	** NA **			None
76	M187A						Yes	** NA **			None
77	M188A						Yes	** NA **			None
78	M189A						Yes				None
	M190A						Yes				None
79							Yes			Mar	None
80	M191A						Yes	** NA **			None
81	M192A			107 E.			Yes	** NA **			None
82	M193A						Yes	** NA **			None
83	M194A						Yes	** NA **			None
84	M84						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86				-		Yes	** NA **			None
87	MP3C						Yes	** NA **			None
88	MP2C						Yes	** NA **			None
89	MP1C				1		Yes	** NA **			None
90	M90						Yes	** NA **			None
91_	M91_			100			Yes	** NA **			None
92	M92	4					Yes	** NA **			None
93	MP3B					70	Yes	** NA **			None
94	MP2B			200			Yes	** NA **			None
95	MP1B			_			Yes	** NA **			None
96_	M96			_		_	Yes	** NA **			None
97	M97_						Yes	** NA **		e e	None
98	M98				_		Yes	** NA **			None
99	M99				-		Yes	** NA **		05.7	None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **		15	None
102	M102				-			** NA **			None
103	M103						Yes	14/			None
104	M104			and the same			Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108					-	Yes	INA **	-		None
109	M109						Yes	## P10 ##		-	
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113	1					Yes	** NA **			None
114		- 3			المريا		Yes				None
115							Yes				None
116						THE STATE	Yes				None
117							Yes				None

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Member Advanced Data (Continued)

,	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl RatAnalysis	Inactive	Seismic
118	OVP						Yes	** NA **	mactive	None
119	M119						Yes	** NA **		None
120	M120	00000X					Yes	** NA **	1 - 62-517	None
121	M121	00000X					Yes	** NA **		None
122	M122	00000X	TATE OF				Yes	** NA **	T AND I	None
123	M123	00000X					Yes	** NA **		None
124	M124	00000X	1 4 4 14 m				Yes	** NA **	T TAKEN	None
125	M125	00000X					Yes	** NA **		
126	M126	00000X		287			Yes	** NA **	77.55	None
127	M127	00000X					Yes	** NA **		
128	M128	00000X					Yes	** NA **	1 - 11	None
129	M129	00000X					Yes	** NA **		None
130	M130	00000X	7.77 337 75	2219-1-1				** NA **		None
131	M131	00000X					Yes	** NA **		None
	141101	CCCCCV					Yes	"NA -"		None

Member Point Loads (BLC 1 : Antenna D)

1 [Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Y	-35.163	.3
3	MP2A	My	018	.3
4	MP2A	Mz	.021	.3
	MP2A	Y	-35.163	4.7
5	MP2A	My	018	4.7
6	MP2A	Mz	.021	4.7
7	MP2B	Y	-35.163	.3
8	MP2B	My	009	.3
9	MP2B	Mz	025	.3
10	MP2B	Y	-35.163	4.7
11	MP2B	My	009	4.7
12	MP2B	Mz	025	4.7
13	MP2C	Y	-35.163	.3
14	MP2C	My	.027	.3
15	MP2C	Mz	.005	.3
16	MP2C	Y	-35.163	4.7
17	MP2C	My	.027	4.7
18	MP2C	Mz	.005	4.7
19	MP2A	Y	-35.163	.3
20	MP2A	My	018	.3
21	MP2A	Mz	021	.3
22	MP2A	Y	-35.163	4.7
23	MP2A	My	018	4.7
24	MP2A	Mz	021	4.7
25	MP2B	Y	-35.163	.3
26	MP2B	My	.027	.3
27	MP2B	Mz	005	
28	MP2B	Y	-35.163	.3
29	MP2B	My	.027	4.7
30	MP2B	Mz	005	4.7
31	MP2C	Y	-35.163	4.7
32	MP2C	My	009	.3
33	MP2C	Mz	.025	.3
34	MP2C	Y		.3
35	MP2C	My	-35.163	4.7
6	MP2C	Mz	009	4.7
7	MP3A	Y	.025	4.7
8	MP3A		-52.9	2
39	MP3A	My	.026	2
10	MP3B	Mz	0	2
0	IVIFOD	Υ	-52.9	2

Company Designer Job Number Model Name Colliers Engineering & Design

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3B	My	.026	2
42	MP3B	Mz	0	2
43	MP3C	Y	-52.9	2
44	MP3C	My	.026	2
45	MP3C	Mz	0	2
46	MP2A	Y	-84.4	2
47	MP2A	My	.042	2
48	MP2A	Mz	.056	2
49	MP2B	Y	-84.4	2
50	MP2B	My	07	2
51	MP2B	Mz	.008	2
52	MP2C	Y	-84.4	2
53	MP2C	My	.028	2
54	MP2C	Mz	065	2
55	MP2A	Y	-70.3	2
56	MP2A	My	.035	2
57	MP2A	Mz	047	2
58	MP2B	Y	-70.3	2
59	MP2B	My	.035	2
60	MP2B	Mz	047	2
61	MP2C	Y	-70.3	2
62	MP2C	My	.035	2
63	MP2C	Mz	047	2
64	MP1A	Y	-43.55	1.5
65	MP1A	My	022	1.5
	MP1A	Mz	0	1.5
66	MP1A	Y	-43.55	3.5
	MP1A	My	022	3.5
68	MP1A	Mz	0	3.5
70	MP1B	Y	-43.55	1.5
	MP1B	My	.011	1.5
71 72	MP1B	Mz	019	1.5
73	MP1B	Y	-43.55	3.5
74	MP1B	My	.011	3.5
	MP1B	Mz	019	3.5
75	MP1C	Y	-43.55	1.5
76	MP1C MP1C	My	.011	1.5
77	MP1C MP1C	Mz	.019	1.5
78	MP1C MP1C	Y	-43.55	3.5
79	MP1C	My	.011	3.5
80		Mz	.019	3.5
81	MP1C OVP	Y	-32	
82		My	0	1
83	OVP	Mz	Ŏ	1
84	OVP	Y	-17.6	4.5
85	MP2A	My	.009	4.5
86	MP2A MP2A	Mz	0	4.5

Member Point Loads (BLC 2 : Antenna Di)

ember Point Lo		Direction	Magnitude[lb,k-ft]	Location[ft,%]
	er Label	V V	-62.652	.3
	P2A	My	031	.3
	P2A	Mz	.037	.3
	P2A	V	-62.652	4.7
	P2A	My	031	4.7
1400-	22A	Mz	.037	4.7
	P2A	Y	-62.652	.3
	P2B P2B	Mv	016	.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mz	045	.3
10	MP2B	Υ	-62.652	4.7
11	MP2B	My	016	4.7
	MP2B	Mz	045	4.7
13	MP2C	Y	-62.652	.3
14	MP2C	My	.047	.3
15	MP2C	Mz	.009	.3
16	MP2C	Υ	-62.652	4.7
17	MP2C	My	.047	4.7
18	MP2C	Mz	.009	4.7
19 20	MP2A	Y	-62.652	.3
	MP2A	My	031	.3
21	MP2A	Mz	037	.3
22	MP2A	Y	-62.652	4.7
23	MP2A	My	031	4.7
24	MP2A	Mz	037	4.7
25	MP2B	Y	-62.652	.3
26	MP2B	My	.047	.3
27	MP2B	Mz	009	.3
28	MP2B	Y	-62.652	4.7
29	MP2B	My	.047	4.7
30	MP2B	Mz	009	4.7
31	MP2C	Y	-62.652	.3
32	MP2C	My	016	.3
33	MP2C	Mz	.045	.3
34	MP2C	Y	-62.652	4.7
35	MP2C	My	016	4.7
36	MP2C	Mz	.045	4.7
37	MP3A	Υ	-38.382	2
38	MP3A	My	.019	2
39	MP3A	Mz	0	2
40	MP3B	Y	-38.382	2
41	MP3B	My	.019	2
42	MP3B	Mz	0	2 2
43	MP3C	Y	-38.382	2
14	MP3C	My	.019	2
45	MP3C	Mz	0	2
46	MP2A	Y	-46.085	2
17	MP2A	My	.023	2
18	MP2A	Mz	.031	2
49	MP2B	Y	-46.085	2
50	MP2B	My	038	2
51	MP2B	Mz	.005	2
52	MP2C	Y	-46.085	2
53	MP2C	My	.015	2
54	MP2C	Mz	035	2
55	MP2A	Y	-41.452	2
6	MP2A	My	.021	2
57	MP2A	Mz	028	2
58	MP2B	Y	-41.452	2
59	MP2B	My	.021	2
30	MP2B	Mz	028	2
31	MP2C	Y	-41.452	2
32	MP2C	My	.021	2
3	MP2C	Mz	028	2
64	MP1A	Y	-36.539	1.5
55	MP1A	My	018	1.5
66	MP1A	Mz	0	1.5
67	MP1A	Y	-36.539	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	My	018	3.5
68	MP1A	Mz	0	3.5
69	MP1B	Y	-36.539	1.5
70	MP1B	Mv	.009	1.5
71		Mz	016	1.5
72	MP1B	V	-36.539	3.5
73	MP1B	My	.009	3.5
74	MP1B	Mz	016	3.5
75	MP1B	V	-36.539	1.5
76	MP1C	Mv	.009	1.5
77	MP1C		.016	1.5
78	MP1C	Mz	-36,539	3.5
79	MP1C		.009	3.5
80	MP1C	My	.016	3.5
81	MP1C	Mz	-90.159	1
82	OVP	Y		1
83	OVP	My	0	The state of the s
84	OVP	Mz	0	4.5
85	MP2A	Y	-17.839	
86	MP2A	My	.009	4.5
87	MP2A	Mz	0	4.5

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

Member I shell	Direction	Magnitude[lb,k-ft]	Location[ft,%]
Member Label MP2A		0	.3
	Z	-165.592	.3
	Mx	097	.3
	X	0	4.7
			4.7
		097	4.7
		0	.3
	Z	-95.621	.3
		.069	.3
		0	4.7
	Z	-95.621	4.7
		.069	4.7
		0	.3
	7	-95.621	.3
		014	.3
		0	4.7
	7	-95.621	4.7
		014	4.7
		0	.3
		-165.592	.3
		.097	.3
		0	4.7
	7	-165.592	4.7
			4.7
		0	.3
		-95,621	.3
			.3
		0	4.7
		-95.621	4.7
			4.7
		0	.3
			.3
			.3
			4.7
			4.7
	MP2A MP2A MP2A MP2A MP2A MP2A MP2A MP2A	MP2A Z MP2A Z MP2A X MP2A X MP2A X MP2A Mx MP2B X MP2C X MP2C X MP2C X MP2C X MP2A X MP2A X MP2A X MP2A X MP2B X MP2B X MP2B X MP2B X MP2B X MP2B X MP2C X MP2C X MP2C X MP2C X MP2C X MP2C X	MP2A X U MP2A Z -165.592 MP2A X 0 MP2A X 0 MP2A X 0 MP2B X 0 MP2C X 0 MP2A X 0 MP2A X 0 MP2A X 0 MP2A X

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	069	4.7
37	MP3A	X	0	2
38	MP3A	Z	-84.853	2
39	MP3A	Mx	0	2
40	MP3B	X	0	2
41	MP3B	Z	-84.853	2
42	MP3B	Mx	0	2
43	MP3C	X	0	2
44	MP3C	Z	-84.853	2
45	MP3C	Mx	0	2
46	MP2A	X	0	2
47	MP2A	Z	-67.103	2
48	MP2A	Mx	045	2
49	MP2B		0	2
50	MP2B	X	-50.544	2
51	MP2B	Mx	005	2
52	MP2C	X	0	2
53	MP2C	Z	-50.544	2
54	MP2C	Mx	.039	2
55	MP2A	X	0	2
56	MP2A	Z	-67.103	2
57	MP2A	Mx	.045	2
58	MP2B	X	0	2
59	MP2B	Z	-67.103	2
30	MP2B	Mx	.045	2
31	MP2C	X	0	2
32	MP2C	Z	-67,103	2
33	MP2C	Mx	.045	2
34	MP1A	X	0	1.5
35	MP1A	Z	-84.853	1.5
36	MP1A	Mx	0	1.5
57	MP1A	X	0	3.5
8	MP1A	Z	-84.853	3.5
9	MP1A	Mx	0	3.5
0	MP1B	X	0	1.5
'1	MP1B	Z	-43.13	1.5
2	MP1B	Mx	.019	1.5
'3	MP1B	X	0	3.5
4	MP1B	Z	-43.13	3.5
5	MP1B	Mx	.019	3.5
6	MP1C	X	0	1.5
7	MP1C	Z	-43.13	1.5
8	MP1C	Mx	019	
9	MP1C	X	019	1.5
0	MP1C	Z	-43.13	3.5
1	MP1C	Mx	019	3.5
2	OVP	X	019	3.5
3	OVP	Z	-175.766	
4	OVP	Mx		1
5	MP2A	X	0	1
6	MP2A	Ž		4.5
37	MP2A		-41.56	4.5
	IVII Z/\	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft %1
1	MP2A	X	71.134	3
2	MP2A	Z	-123.208	3
3	MP2A	Mx	107	3

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	Member Label	Direction	eg)) (Continued) Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	X	71.134	4.7
5	MP2A	Z	-123.208	4.7
6	MP2A	Mx	107	4.7
7	MP2B	X	36.149	.3
В	MP2B	Z	-62,612	.3
9	MP2B	Mx	.036	.3
0	MP2B	ито Х	36.149	4.7
1	MP2B	Z	-62.612	4.7
2	MP2B	Mx	.036	4.7
3	MP2C	X	71.134	.3
4	MP2C	Z	-123.208	.3
5	MP2C	Mx	.036	.3
6	MP2C	X X	71.134	4.7
7	MP2C	Z	-123.208	4.7
8	MP2C	Mx	.036	4.7
19	MP2A	X	71.134	.3
20	MP2A	Z	-123.208	.3
21	MP2A	Mx	.036	.3
22	MP2A	X	71.134	4.7
23	MP2A	Z	-123.208	4.7
24	MP2A	Mx	.036	4.7
25	MP2B	X	36.149	.3
26	MP2B	Z	-62.612	.3
27	MP2B	Mx	.036	.3
28	MP2B	X	36.149	4.7
29	MP2B	Z	-62.612	4.7
30	MP2B	Mx	.036	4.7
31	MP2C	X	71.134	.3
32	MP2C	Z	-123.208	.3
33	MP2C	Mx	107	.3
34	MP2C	X	71.134	4.7
35	MP2C	Z	-123.208	4.7
36	MP2C	Mx	107	4.7
37	MP3A	X	36.264	2
38	MP3A	Z	-62.812	2
39	MP3A	Mx	.018	2
40	MP3B	X	36.264	2
41	MP3B	Z	-62.812	2
42	MP3B	Mx	.018	2
43	MP3C	X	36.264	2
44	MP3C	Z	-62.812	2
45	MP3C	Mx	.018	2
46	MP2A	X	30.792	2
47	MP2A	Z	-53.332	2
48	MP2A	Mx	02	2
49	MP2B	X	22.512	2
50	MP2B	Z	-38.992	2
51	MP2B	Mx	023	2
52	MP2C	X	30.792	2
53	MP2C	Z	-53.332	2
54	MP2C	Mx	.051	2
55	MP2A	X	29.763	2
56	MP2A	Z	-51.552	2
57	MP2A	Mx	.049	2
	MP2B	X	29.763	2
58 59	MP2B	Z	-51.552	2
60	MP2B	Mx	.049	2
61	MP2C	X	29.763	2
62	MP2C	Z	-51.552	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	.049	2
64	MP1A	X	35.472	1.5
65	MP1A	Z	-61.44	1.5
66	MP1A	Mx	018	1.5
67	MP1A	X	35.472	3.5
68	MP1A	Z	-61.44	3.5
69	MP1A	Mx	018	3.5
70	MP1B	X	14.611	1.5
71	MP1B	Z	-25.307	1.5
72	MP1B	Mx	.015	1.5
73	MP1B	X	14.611	3.5
74	MP1B	Z	-25.307	3.5
75	MP1B	Mx	.015	3.5
76	MP1C	X	35.472	1.5
77	MP1C	Z	-61.44	1.5
78	MP1C	Mx	018	1.5
79	MP1C	X	35.472	3.5
80	MP1C	Z	-61.44	3.5
81	MP1C	Mx	018	
82	OVP	X	82.674	3.5
83	OVP	Z	-143.196	1
84	OVP	Mx	0	
85	MP2A	X	17.161	
86	MP2A	Z	-29.723	4.5
87	MP2A	Mx	.009	4.5 4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	82.811	.3
2	MP2A	Z	-47.811	.3
3	MP2A	Mx	069	.3
4	MP2A	X	82.811	4.7
5	MP2A	Z	-47.811	4.7
6	MP2A	Mx	069	4.7
7	MP2B	X	82.811	.3
8	MP2B	Z	-47.811	.3
9	MP2B	Mx	.014	.3
10	MP2B	X	82.811	4.7
11	MP2B	Z	-47.811	4.7
12	MP2B	Mx	.014	4.7
13	MP2C	X	143.407	.3
14	MP2C	Z	-82.796	.3
15	MP2C	Mx	.097	.3
16	MP2C	X	143,407	4.7
17	MP2C	Z	-82.796	4.7
18	MP2C	Mx	.097	4.7
19	MP2A	X	82.811	.3
20	MP2A	Z	-47.811	.3
21	MP2A	Mx	014	.3
22	MP2A	X	82.811	4.7
23	MP2A	Z	-47.811	4.7
24	MP2A	Mx	014	4.7
25	MP2B	X	82.811	4.7
26	MP2B	Z	-47.811	.3
27	MP2B	Mx	.069	.3
28	MP2B	X	82.811	4.7
29	MP2B	Z	-47.811	4.7
30	MP2B	Mx	.069	4.7

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

	ember Label	: Antenna Wo (60 De	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	143.407	.3
32	MP2C	Z	-82.796	.3
33	MP2C	Mx	097	.3
34	MP2C	X	143.407	4.7
35	MP2C	Z	-82.796	4.7
36	MP2C	Mx	097	4.7
37	MP3A	X	41.466	2
38	MP3A	Z	-23.941	2
39	МРЗА	Mx	.021	2
40	MP3B	X	41.466	2
41	MP3B	Z	-23.941	2
42	MP3B	Mx	.021	2
43	MP3C	X	41.466	2
44	MP3C	Z	-23.941	2
45	MP3C	Mx	.021	2
46	MP2A	X	43.772	2
47	MP2A	Z	-25.272	2
48	MP2A	Mx	.005	2
49	MP2B	X	43.772	2
50	MP2B	Z	-25.272	2
51	MP2B	Mx	039	2
52	MP2C	X	58.113	2
53	MP2C	Z	-33.551	2
54	MP2C	Mx	.045	2
55	MP2A	X	38.429	2
56	MP2A	Z	-22.187	2
57	MP2A	Mx	.034	2
58	MP2B	X	38.429	2
59	MP2B	Z	-22.187	2
60	MP2B	Mx	.034	2
61	MP2C	X	38.429	2
62	MP2C	Z	-22.187	2
63	MP2C	Mx	.034	2
64	MP1A	X	37.351	1.5
65	MP1A	Z	-21.565	1.5
66	MP1A	Mx	019	1.5
67	MP1A	X	37.351	3.5
68	MP1A	Z	-21.565	3.5
69	MP1A	Mx	019	3.5
70	MP1B	X	37.351	1.5
71	MP1B	Z	-21.565	1.5
72	MP1B	Mx	.019	1.5
73	MP1B	X	37.351	3.5
74	MP1B	Z	-21.565	3.5
75	MP1B	Mx	.019	3.5
76	MP1C	X	73.484	1.5
77	MP1C	Z	-42.426	1.5
78	MP1C	Mx	0	1.5
79	MP1C	X	73.484	3.5
	MP1C	Z	-42.426	3.5
80	MP1C	Mx	0	3.5
81	OVP	X	125.153	
82	OVP	Z	-72.257	1
83	OVP	Mx	0	1 - 1
84	MP2A	X	17.186	4.5
85	MP2A	Ž	-9.922	4.5
86 87	MP2A	Mx	.009	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	72.298	.3
2	MP2A	Z	0	.3
3	MP2A	Mx	036	.3
4	MP2A	X	72.298	4.7
5	MP2A	Z	0	4.7
6	MP2A	Mx	036	4.7
7	MP2B	X	142.269	.3
8	MP2B	Z	0	.3
9	MP2B	Mx	036	.3
10	MP2B	X	142.269	4.7
11	MP2B	Z	0	4.7
12	MP2B	Mx	036	4.7
13	MP2C	X	142.269	.3
14	MP2C	Z	0	.3
15	MP2C	Mx	.107	.3
16	MP2C	X	142.269	4.7
17	MP2C	Z	0	4.7
18	MP2C	Mx	.107	4.7
19	MP2A	X	72.298	.3
20	MP2A	Z	0	.3
21	MP2A	Mx	036	.3
22	MP2A	X	72.298	4.7
23	MP2A	Z	0	4.7
24	MP2A	Mx	036	4.7
25	MP2B	X	142.269	.3
26	MP2B	Z	0	.3
27	MP2B	Mx	.107	.3
28	MP2B	X	142.269	4.7
29	MP2B	Z	0	4.7
30	MP2B	Mx	.107	4.7
31	MP2C	X	142.269	.3
32	MP2C	Z	0	.3
33	MP2C	Mx	036	.3
34	MP2C	X	142.269	4.7
35	MP2C	Z	0	4.7
36	MP2C	Mx	036	4.7
37	MP3A	X	35.557	2
38	MP3A	Z	0	2
39	MP3A	Mx	.018	2
40	MP3B	X	35.557	2
41	MP3B	Z	0	2
42	MP3B	Mx	.018	2
43	MP3C	X	35.557	2
14	MP3C	Z	0	2
45	MP3C	Mx	.018	2
16	MP2A	X	45.024	2
17	MP2A	Z	0	
18	MP2A	Mx	.023	2 2
19	MP2B	X	61.583	
50	MP2B	Z	01.565	2
51	MP2B	Mx	051	2
2	MP2C	X	61.583	2
3	MP2C	Z		2
4	MP2C	Mx	.02	2
55	MP2A	X		2
66	MP2A	Z	36.798	2
7	MP2A	Mx	0	2
8	MP2B	X	.018 36.798	2 2
10				

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2B	Mx	.018	2
61	MP2C	X	36.798	2
62	MP2C	Z	0	2
63	MP2C	Mx	.018	2
64	MP1A	X	29.222	1.5
65	MP1A	Z	0	1.5
66	MP1A	Mx	015	1.5
67	MP1A	X	29.222	3.5
68	MP1A	Z	0	3.5
69	MP1A	Mx	015	3.5
70	MP1B	X	70.945	1.5
71	MP1B	Z	0	1.5
72	MP1B	Mx	.018	1.5
73	MP1B	X	70.945	3.5
	MP1B	Z	0	3.5
74	MP1B	Mx	.018	3.5
75 76	MP1C	X	70.945	1.5
77	MP1C	Z	0	1.5
	MP1C	Mx	.018	1.5
78	MP1C	X	70.945	3.5
79	MP1C	Z	0	3.5
80	MP1C	Mx	.018	3.5
81	OVP	X	134.097	
82	OVP	Z	0	1
83	OVP	Mx	0	1
84	MP2A	X	12.605	4.5
85		Z	0	4.5
86 87	MP2A MP2A	Mx	.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	82.811	.3
2	MP2A	Z	47.811	.3
3	MP2A	Mx	014	.3
	MP2A	X	82.811	4.7
5	MP2A	Z	47.811	4.7
6	MP2A	Mx	014	4.7
7	MP2B	X	143.407	.3
8	MP2B	Z	82.796	.3
9	MP2B	Mx	097	.3
10	MP2B	X	143.407	4.7
11	MP2B	Z	82.796	4.7
12	MP2B	Mx	097	4.7
	MP2C	X	82.811	.3
13	MP2C	Z	47.811	.3
14	MP2C	Mx	.069	.3
15	MP2C	X	82.811	4.7
16	MP2C	Z	47.811	4.7
17	MP2C	Mx	.069	4.7
	MP2A	X	82.811	.3
19	MP2A	Z	47.811	.3
20	MP2A	Mx	069	.3
21	MP2A	X	82.811	4.7
22	MP2A	Z	47.811	4.7
23	MP2A	Mx	-,069	4.7
24	MP2B	X	143.407	.3
25	MP2B	Z	82.796	.3
26 27	MP2B	Mx	.097	.3

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

28	Member Label MP2B	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	X	143.407	4.7
30	MP2B	Z	82.796	4.7
31	MP2C	Mx X	.097	4.7
32	MP2C	Z	82.811	.3
33	MP2C	Mx	47.811	.3
34	MP2C	X	.014	.3
35	MP2C	Z	82.811	4.7
36	MP2C	Mx	47.811 .014	4.7
37	MP3A	X		4.7
38	MP3A	Z	41.466 23.941	2
39	MP3A	Mx	.021	2
40	MP3B	X	41.466	2
41	MP3B	Z	23.941	2
42	MP3B	Mx	.021	2
43	MP3C	X	41.466	2
44	MP3C	Z	23.941	2
45	MP3C	Mx	.021	2
46	MP2A	X	43.772	2 2
47	MP2A	Z	25.272	2
48	MP2A	Mx	.039	2
49	MP2B	X	58.113	2
50	MP2B	Z	33.551	2 2
51	MP2B	Mx	045	2
52	MP2C	X	43.772	2 2
53	MP2C	Z	25.272	2
54	MP2C	Mx	005	2
55	MP2A	X	38.429	2
56	MP2A	Z	22,187	2
57	MP2A	Mx	.004	2
58	MP2B	X	38.429	2
59	MP2B	Z	22.187	2
60	MP2B	Mx	.004	2
61	MP2C	X	38.429	2
62	MP2C	Z	22.187	2
63	MP2C	Mx	.004	2
64	MP1A	X	37.351	1.5
65	MP1A	Z	21.565	1.5
66	MP1A	Mx	019	1.5
67	MP1A	X	37.351	3.5
68	MP1A	Z	21.565	3.5
69	MP1A	Mx	019	3.5
70	MP1B	X	73,484	1.5
71	MP1B	Z	42.426	1.5
72	MP1B	Mx	0	1.5
73	MP1B	X	73.484	3.5
74	MP1B	Z	42.426	3.5
75	MP1B	Mx	0	3.5
76	MP1C	X	37.351	1.5
77	MP1C	Z	21.565	1.5
78	MP1C	Mx	.019	1.5
79	MP1C	X	37.351	3.5
80	MP1C	Z	21.565	3.5
81	MP1C	Mx	.019	3.5
82	OVP	X	125.153	20 No. 10 Early 18 No. 10 Earl
83	OVP	Z	72.257	1
84	OVP	Mx	0	
85	MP2A	X	17.186	4.5
86	MP2A	Z	9.922	4.5

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

Wellinger		Direction	Magnitude[lb,k-ft]	Location[ft,%]
	Member Label		.009	4.5
87	MP2A	Mx L	,009	7.0

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1 MP2A	X	71.134	.3
2 MP2A	Z	123.208	.3
MP2A	Mx	.036	.3
4 MP2A	X	71.134	4.7
5 MP2A	Z	123.208	4.7
6 MP2A	Mx	.036	4.7
7 MP2B	X	71.134	.3
8 MP2B	Z	123.208	.3
9 MP2B	Mx	107	.3
10 MP2B	X	71.134	4.7
MP2B	Z	123.208	4.7
MP2B	Mx	107	4.7
13 MP2C	X	36.149	.3
14 MP2C	Z	62.612	.3
15 MP2C	Mx	.036	.3
16 MP2C	X	36.149	4.7
17 MP2C	Z	62.612	4.7
18 MP2C	Mx	.036	4.7
19 MP2A	X	71.134	.3
20 MP2A	Z	123.208	.3
21 MP2A	Mx	107	.3
22 MP2A	X	71.134	4.7
23 MP2A	Z	123.208	4.7
24 MP2A	Mx	107	4.7
25 MP2B	X	71.134	.3
26 MP2B	Z	123.208	.3
27 MP2B	Mx	.036	.3
28 MP2B	X	71.134	4.7
	Z	123.208	4.7
157,000,000	Mx	.036	4.7
	X	36.149	.3
	Z	62.612	.3
	Mx	.036	.3
	X	36.149	4.7
The same of the sa	Z	62.612	4.7
	Mx	.036	4.7
	X	36.264	2
	Ž	62.812	2
	Mx	.018	2
	X	36.264	2
	Z	62.812	2
A A STATE OF THE S	Mx	.018	2 2
	X	36.264	2
	Z	62.812	2
44 MP3C 45 MP3C	Mx	.018	2
	X	30.792	2
46 MP2A	Z	53.332	2
47 MP2A	Mx	.051	2
48 MP2A	X	30.792	2
49 MP2B	Z	53.332	2
50 MP2B	Mx	02	2
51 MP2B	X	22.512	2
52 MP2C	Ž	38.992	2
53 MP2C 54 MP2C	Mx	023	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP2A	X	29.763	2
56	MP2A	Z	51.552	2
57	MP2A	Mx	019	2
58	MP2B	X	29.763	2
59	MP2B	Z	51.552	2
60	MP2B	Mx	019	2
61	MP2C	X	29.763	2
62	MP2C	Z	51.552	2
63	MP2C	Mx	019	2
64	MP1A	X	35.472	1.5
65	MP1A	Z	61.44	1.5
66	MP1A	Mx	018	1.5
67	MP1A	X	35.472	3.5
68	MP1A	Z	61.44	3.5
69	MP1A	Mx	018	3.5
70	MP1B	X	35.472	1.5
71	MP1B	Z	61.44	1.5
72	MP1B	Mx	018	1.5
73	MP1B	X	35.472	3.5
74	MP1B	Z	61.44	3.5
75	MP1B	Mx	018	3.5
76	MP1C	X	14.611	1.5
77	MP1C	Z	25.307	1.5
78	MP1C	Mx	.015	1.5
79	MP1C	X	14.611	3.5
80	MP1C	Z	25.307	3.5
81	MP1C	Mx	.015	3.5
82	OVP	X	82.674	3.5
83	OVP	Z	143.196	1
84	OVP	Mx	0	
85	MP2A	X	17.161	4.5
86	MP2A	Z	29.723	4.5
87	MP2A	Mx	.009	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.3
2	MP2A	Z	165.592	.3
3	MP2A	Mx	.097	.3
4	MP2A	X	0	4.7
5	MP2A	Z	165.592	4.7
6	MP2A	Mx	.097	4.7
7	MP2B	X	0	.3
8	MP2B	Z	95.621	.3
9	MP2B	Mx	069	.3
10	MP2B	X	0	4.7
11	MP2B	Z	95.621	4.7
12	MP2B	Mx	069	4.7
13	MP2C	X	0	.3
14	MP2C	Z	95.621	.3
15	MP2C	Mx	.014	.3
16	MP2C	X	0	4.7
17	MP2C	7	95.621	4.7
18	MP2C	Mx	.014	4.7
19	MP2A	X	0	.3
20	MP2A	Z	165.592	.3
21	MP2A	Mx	097	.3
22	MP2A	X	0	4.7

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

Me	ember Label	Antenna Wo (180 L	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Z	165.592	4.7
24	MP2A	Mx	097	.3
25	MP2B	X	0	.3
26	MP2B	Z	95.621	.3
27	MP2B	Mx	014	4.7
28	MP2B	X	0	4.7
29	MP2B	Z	95.621	4.7
30	MP2B	Mx	014	.3
31	MP2C	X	0	.3
32	MP2C	Z	95.621	.3
33	MP2C	Mx	.069	4.7
34	MP2C	X	0	4.7
35	MP2C	Z	95.621	4.7
36	MP2C	Mx	.069	
37	MP3A	X	0	2 2
38	MP3A	Z	84.853	2
39	MP3A	Mx	0	2
40	MP3B	X	0	2
41	MP3B	Z	84.853	2
42	MP3B	Mx	0	2
43	MP3C	X	0	2
44	MP3C	Z	84.853	2 2
45	MP3C	Mx	0	2
46	MP2A	X	0	2
47	MP2A	Z	67.103	2
48	MP2A	Mx	.045	2
49	MP2B	X	0	2
50	MP2B	Z	50.544	2
51	MP2B	Mx	.005	2
52	MP2C	X	0	2
53	MP2C	Z	50.544	2
54	MP2C	Mx	039	2
55	MP2A	X	0	2 2
56	MP2A	Z	67.103	2
57	MP2A	Mx	045	2
58	MP2B	X	0	2
59	MP2B	Z	67.103	2 2
60	MP2B	Mx	045	2
61	MP2C	X	0	2
62	MP2C	Z	67.103	2
63	MP2C	Mx	045	1.5
64	MP1A	X	0	1.5
65	MP1A	Z	84.853	1.5
66	MP1A	Mx	0	3.5
67	MP1A	X	0	3.5
68	MP1A	Z	84.853	3.5
69	MP1A	Mx	0	1.5
70	MP1B	X	0	1.5
71	MP1B	Z	43.13	1.5
72	MP1B	Mx	019	3.5
73	MP1B	X	0	3.5
74	MP1B	Z	43.13	
75	MP1B	Mx	019	3.5
76	MP1C	X	0	1.5
77	MP1C	Z	43.13	1.5
78	MP1C	Mx	.019	1.5
79	MP1C	X	0	3.5
80	MP1C	Z	43.13	3.5
81	MP1C	Mx	.019	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	OVP	X	0	1
83 84	OVP	Z	175.766	1
84	OVP	Mx	0	1 1
85	MP2A	X	0	4.5
86	MP2A	Z	41.56	4.5
87	MP2A	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-71.134	.3
2	MP2A	Z	123.208	.3
3	MP2A	Mx	.107	.3
4	MP2A	X	-71.134	4.7
5	MP2A	Z	123.208	4.7
6	MP2A	Mx	.107	4.7
7	MP2B	X	-36.149	.3
8	MP2B	Z	62.612	.3
9	MP2B	Mx	036	.3
10	MP2B	X	-36,149	4.7
11	MP2B	Z	62.612	4.7
12	MP2B	Mx	036	4.7
13	MP2C	X	-71.134	.3
14	MP2C	Z	123.208	.3
15	MP2C	Mx	036	.3
16	MP2C	X	-71.134	4.7
17	MP2C	Z	123.208	4.7
18	MP2C	Mx	036	4.7
19	MP2A	X	-71.134	.3
20	MP2A	Z	123.208	.3
21	MP2A	Mx	036	.3
22	MP2A	X	-71.134	4.7
23	MP2A	Z	123.208	4.7
24	MP2A	Mx	036	4.7
25	MP2B	X	-36.149	.3
26	MP2B	Z	62.612	.3
27	MP2B	Mx	036	.3
28	MP2B	X	-36.149	4.7
29	MP2B	Z	62.612	4.7
30	MP2B	Mx	036	4.7
31	MP2C	X	-71.134	.3
32	MP2C	Z	123.208	.3
33	MP2C	Mx	.107	.3
34	MP2C	X	-71.134	4.7
35	MP2C	Z	123.208	4.7
36	MP2C	Mx	.107	4.7
37	MP3A	X	-36.264	2
38	MP3A	Z	62.812	2
39	MP3A	Mx	018	2
40	MP3B	X	-36.264	2
41	MP3B	Z	62.812	2
42	MP3B	Mx	018	2
43	MP3C	X	-36.264	2
44	MP3C	Z	62.812	2
45	MP3C	Mx	018	2
46	MP2A	X	-30.792	2
47	MP2A	Z	53.332	2
48	MP2A	Mx	.02	2
49	MP2B	X	-22.512	2

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

		Direction	Magnitude[lb,k-ft]	Location[ft,%]
F0	Member Label MP2B	Z	38.992	2
50	MP2B	Mx	.023	2
51	MP2C	X	-30.792	2
52	MP2C	Z	53.332	2
53	MP2C	Mx	051	2
54	MP2A	X	-29.763	2
55	MP2A	Ž	51.552	2
56	MP2A	Mx	049	2
57	MP2B	X	-29.763	2
58	MP2B	Z	51.552	2
59	MP2B	Mx	049	2
60	MP2C	X	-29.763	2
61	MP2C	Z	51.552	2
62	MP2C	Mx	049	2
63	MP1A	X	-35.472	1.5
64		Z	61.44	1,5
65	MP1A	Mx	.018	1.5
66	MP1A MP1A	X	-35.472	3.5
67		Z	61.44	3.5
68	MP1A	Mx	.018	3.5
69	MP1A	X	-14.611	1.5
70	MP1B	Z	25.307	1.5
71	MP1B	Mx	015	1.5
72	MP1B	X	-14.611	3.5
73	MP1B	Z	25.307	3.5
74	MP1B	Mx	015	3.5
75	MP1B MP1C	X	-35.472	1.5
76		Z	61.44	1.5
77	MP1C	Mx	.018	1.5
78	MP1C	X	-35.472	3.5
79	MP1C	Z	61.44	3.5
80	MP1C	Mx	.018	3.5
81	MP1C	X	-82.674	1
82	OVP	Z	143.196	1
83	OVP	Mx	0	1
84	OVP	X	-17.161	4.5
85	MP2A	Z	29.723	4.5
86	MP2A MP2A	Mx	009	4.5

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

	Member Label	: Antenna Wo (240	Magnitude[lb,k-ft]	Location[ft,%]
4		X	-82.811	.3
1	MP2A	Z	47.811	.3
2	MP2A	Mx	.069	.3
3	MP2A	X	-82.811	4.7
4	MP2A	7	47.811	4.7
5	MP2A	Mx	.069	4.7
6	MP2A	X	-82.811	.3
7	MP2B	Ž	47.811	.3
8	MP2B		014	.3
9	MP2B	Mx	-82.811	4.7
10	MP2B	X	47.811	4.7
11	MP2B		014	4.7
12	MP2B	Mx	-143.407	.3
13	MP2C	X	82.796	.3
14	MP2C	Z	097	.3
15	MP2C	Mx		4.7
16	MP2C	X	-143.407	4.7
17	MP2C	Z	82.796	4.1

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

10	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	097	4.7
20	MP2A	X	-82.811	.3
21	MP2A	Z	47.811	.3
22	MP2A MP2A	Mx	.014	.3
23	MP2A	X	-82.811	4.7
24	MP2A	Z	47.811	4.7
25	MP2B	Mx	.014	4.7
26	MP2B	X	-82.811	.3
27	MP2B		47.811	.3
28	MP2B	Mx	069	.3
29	MP2B	X	-82.811	4.7
30	MP2B	Mx	47.811	4.7
31	MP2C	X	069	4.7
32	MP2C	Z	-143.407	.3
33	MP2C	Mx	82.796	.3
34	MP2C	X	.097	.3
35	MP2C	Z	-143.407	4.7
36	MP2C	Mx	82.796	4.7
37	MP3A	X	.097 -41.466	4.7
38	MP3A	Z	23.941	2
39	MP3A	Mx		2
40	MP3B	X	021	2
41	MP3B	Z	-41.466 23.941	2
42	MP3B	Mx	021	2
43	MP3C	X	021 -41.466	2
44	MP3C	Z	23.941	2
45	MP3C	Mx	021	2
46	MP2A	X	-43.772	2
47	MP2A	Z	25.272	2
48	MP2A	Mx	005	2 2
49	MP2B	X	-43.772	2
50	MP2B	Z	25.272	2
51	MP2B	Mx	.039	2
52	MP2C	X	-58.113	2 2
53	MP2C	Z	33.551	2
54	MP2C	Mx	045	2
55	MP2A	X	-38.429	2
56	MP2A	Z	22.187	2
57	MP2A	Mx	034	2
58	MP2B	X	-38.429	2
59	MP2B	Z	22.187	2
60	MP2B	Mx	034	2
31	MP2C	X	-38.429	2
32	MP2C	Z	22.187	2
63	MP2C	Mx	034	2
34	MP1A	X	-37.351	1.5
65	MP1A	Z	21.565	1.5
66	MP1A	Mx	.019	1.5
67	MP1A	X	-37.351	3.5
88	MP1A	Z	21.565	3.5
39	MP1A	Mx	.019	3.5
0	MP1B	X	-37.351	1.5
71	MP1B	Z	21.565	1.5
2	MP1B	Mx	019	1.5
73	MP1B	X	-37.351	3.5
4	MP1B	Z	21.565	3.5
75	MP1B	Mx	019	3.5
76	MP1C	X	-73.484	1.5

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

	Mambas Lobol	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	Member Label	7	42.426	1.5
77	MP1C	Mx	0	1.5
78	MP1C	IVIX	-73.484	3.5
79	MP1C	2	42.426	3.5
80	MP1C		72.420	3.5
81	MP1C	Mx	405.453	1
82	OVP	X	-125.153	
83	OVP	Z	72.257	+
84	OVP	Mx	0	
85	MP2A	X	-17.186	4.5
	MP2A	Z	9.922	4.5
86 87	MP2A	Mx	009	4.5

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

Member Labe	BLC 12 : Antenna Wo (2/0	Magnitude[lb,k-ft]	Location[ft,%]
1 MP2A	X	-72.298	.3
2 MP2A	Z	0	.3
3 MP2A	Mx	.036	.3
4 MP2A	X	-72.298	4.7
5 MP2A	Z	0	4.7
6 MP2A	Mx	.036	4.7
7 MP2B	X	-142.269	.3
8 MP2B	Z	0	.3
9 MP2B	Mx	.036	.3
10 MP2B	X	-142.269	4.7
11 MP2B	Z	0	4.7
12 MP2B	Mx	.036	4.7
	X	-142.269	.3
12	Z	0	.3
14 MP2C 15 MP2C	Mx	107	.3
	X	-142.269	4.7
	Z	0	4.7
	Mx	107	4.7
15,700,000,000,000	X	-72.298	.3
	Z	0	.3
	Mx	.036	.3
21 MP2A 22 MP2A	X	-72.298	4.7
	Z	0	4.7
23 MP2A	Mx	.036	4.7
24 MP2A	X	-142.269	.3
25 MP2B	Z	0	.3
26 MP2B	Mx	107	.3
27 MP2B	X	-142.269	4.7
28 MP2B	Z	0	4.7
29 MP2B		107	4.7
30 MP2B	Mx X	-142.269	.3
31 MP2C	Z	0	.3
32 MP2C		.036	.3
33 MP2C	Mx	-142.269	4.7
34 MP2C	X	-142.203	4.7
35 MP2C	Z	.036	4.7
36 MP2C	Mx	-35.557	2
37 MP3A	X	-35.557	2
38 MP3A	Z	018	2
39 MP3A	Mx		2
40 MP3B	X	-35.557	2
41 MP3B	Z	0	2
42 MP3B	Mx	018	2
43 MP3C	X	-35.557	2
44 MP3C	Z	0	

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

1 - 1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3C	Mx	018	2
46	MP2A	X	-45.024	2
47	MP2A	Z	0	2
48	MP2A	Mx	023	2
49	MP2B	X	-61.583	2
50	MP2B	Z	0	2
51	MP2B	Mx	.051	2
52	MP2C	X	-61.583	2
53	MP2C	Z	0	2
54	MP2C	Mx	02	2
55	MP2A	X	-36.798	2
56	MP2A	Z	0	2
57	MP2A	Mx	018	2
58	MP2B	X	-36.798	2
59	MP2B	Z	0	2
60	MP2B	Mx	018	2
61	MP2C	X	-36.798	2
62	MP2C	Z	0	2
33	MP2C	Mx	018	2
54	MP1A	X	-29.222	1.5
65	MP1A	Z	0	1.5
66	MP1A	Mx	.015	1.5
67	MP1A	X	-29.222	3.5
68	MP1A	Z	0	3.5
69	MP1A	Mx	.015	3.5
70	MP1B	X	-70.945	1.5
71	MP1B	Z	0	1.5
72	MP1B	Mx	018	1.5
73	MP1B	X	-70.945	3.5
74	MP1B	Z	0	3.5
75	MP1B	Mx	018	3.5
76	MP1C	X	-70.945	1.5
77	MP1C	Z	0	1.5
78	MP1C	Mx	018	1.5
79	MP1C	X	-70.945	3.5
30	MP1C	Z	0	3.5
31	MP1C	Mx	018	3.5
32	OVP	X	-134.097	3.5
33	OVP	Z	0	1
34	OVP	Mx	0	1
35	MP2A	X	-12.605	4.5
36	MP2A	Z		
87	MP2A MP2A	Mx Mx	006	4.5 4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-82.811	.3
2	MP2A	Z	-47.811	.3
3	MP2A	Mx	.014	.3
4	MP2A	X	-82.811	4.7
5	MP2A	Z	-47.811	4.7
6	MP2A	Mx	.014	4.7
7	MP2B	X	-143,407	.3
8	MP2B	Z	-82.796	.3
9	MP2B	Mx	.097	.3
10	MP2B	X	-143.407	4.7
11	MP2B	Z	-82.796	4.7
12	MP2B	Mx	.097	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	-82.811	.3
14	MP2C	Z	-47.811	.3
5	MP2C	Mx	069	4.7
6	MP2C	X	-82.811	4.7
7	MP2C	Z	-47.811	4.7
8	MP2C	Mx	069	.3
9	MP2A	X	-82.811	.3
20	MP2A	Z	-47.811	.3
21	MP2A	Mx	.069	4.7
2	MP2A	X	-82.811	4.7
:3	MP2A	Z	-47.811	
4	MP2A	Mx	.069	4.7
25	MP2B	X	-143.407	.3
26	MP2B	Z	-82.796	.3
7	MP2B	Mx	097	.3
28	MP2B	X	-143.407	4.7
29	MP2B	Z	-82.796	4.7
0	MP2B	Mx	097	4.7
31	MP2C	X	-82.811	.3
12	MP2C	Z	-47.811	.3
33	MP2C	Mx	014	.3
34	MP2C	X	-82.811	4.7
35	MP2C		-47.811	4.7
36	MP2C	Mx	014	4.7
37	MP3A	X	-41.466	2
88	MP3A	Z	-23.941	2
39	MP3A	Mx	021	2
10	MP3B	X	-41.466	2
11	MP3B	Z	-23.941	2
12	MP3B	Mx	021	2
13	MP3C	X	-41.466	2 2
14	MP3C	Z	-23.941	2
15	MP3C	Mx	021	2
16	MP2A	X	-43.772	2
47	MP2A	Z	-25.272	2 2
48	MP2A	Mx	039	2
	MP2B	X	-58.113	2
19 50	MP2B	Z	-33.551	2
	MP2B	Mx	.045	2
51	MP2C	X	-43.772	2
	MP2C	Z	-25.272	2
53		Mx	.005	2
54	MP2C MP2A	X	-38.429	2
55	MP2A	Z	-22.187	2
56	MP2A	Mx	004	2
57	MP2B	X	-38.429	2
58	MP2B	Z	-22.187	2
59	MP2B	Mx	004	2
30	MP2C	X	-38.429	2
31	MP2C	Z	-22.187	2
62	MP2C	Mx	004	2
63		X	-37.351	1.5
64	MP1A	Z	-21.565	1.5
65	MP1A	Mx	.019	1.5
66	MP1A	X	-37.351	3.5
67	MP1A	Z	-21.565	3.5
68	MP1A	Mx	.019	3.5
69	MP1A	X	-73.484	1.5
70	MP1B MP1B	Z	-42.426	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP1B	Mx	0	1.5
73	MP1B	X	-73.484	3.5
74	MP1B	Z	-42.426	3.5
75	MP1B	Mx	0	3.5
76	MP1C	X	-37.351	1.5
77	MP1C	Z	-21.565	1.5
78	MP1C	Mx	019	1.5
79	MP1C	X	-37.351	3.5
80	MP1C	Z	-21,565	3.5
81	MP1C	Mx	019	3.5
82	OVP	X	-125.153	1
83	OVP	Z	-72.257	1
84	OVP	Mx	0	10.00
85	MP2A	X	-17.186	4.5
86	MP2A	Z	-9.922	4.5
87	MP2A	Mx	009	4.5

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

- r-	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-71.134	.3
2	MP2A	Z	-123.208	.3
3	MP2A	Mx	036	.3
4	MP2A	X	-71.134	4.7
5	MP2A	Z	-123.208	4.7
6	MP2A	Mx	036	4.7
7	MP2B	X	-71.134	.3
8	MP2B	Z	-123.208	.3
9	MP2B	Mx	.107	.3
10	MP2B	X	-71.134	4.7
1	MP2B	Z	-123.208	4.7
12	MP2B	Mx	.107	4.7
13	MP2C	X	-36.149	.3
14	MP2C	Z	-62.612	.3
15	MP2C	Mx	036	.3
16	MP2C	X	-36.149	4.7
17	MP2C	Z	-62.612	4.7
8	MP2C	Mx	036	4.7
19	MP2A	X	-71.134	3
20	MP2A	Z	-123.208	.3
21	MP2A	Mx	.107	.3
22	MP2A	X	-71.134	4.7
23	MP2A	Ž	-123.208	4.7
24	MP2A	Mx	.107	4.7
25	MP2B	X	-71.134	3
26	MP2B	Z	-123.208	
27	MP2B	Mx	036	.3
28	MP2B	X	-71.134	.3
29	MP2B	Z	-123.208	4.7
30	MP2B	Mx	036	4.7
31	MP2C	X		4.7
32	MP2C	Ž	-36.149	.3
33	MP2C	Mx	-62.612	.3
34	MP2C	X	036	.3
5	MP2C	Z	-36.149	4.7
16	MP2C	Mx	-62.612	4.7
7	MP3A		036	4.7
88	MP3A	X	-36.264	2
19	MP3A		-62.812	2
,,,	IVIFOR	Mx	018	2

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

	ember Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3B	X	-36.264	2
41	МРЗВ	Z	-62.812	2
2	МРЗВ	Mx	018	2
13	MP3C	X	-36.264	2
14	MP3C	Z	-62.812	2
45	MP3C	Mx	018	2
46	MP2A	X	-30.792	2
47	MP2A	Z	-53.332	2
48	MP2A	Mx	051	2
49	MP2B	X	-30.792	2
50	MP2B	Z	-53.332	2
51	MP2B	Mx	.02	2
52	MP2C	X	-22.512	2
53	MP2C	Z	-38.992	2
54	MP2C	Mx	.023	2
55	MP2A	X	-29.763	2
56	MP2A	Z	-51.552	2
57	MP2A	Mx	.019	2
58	MP2B	X	-29.763	2
59	MP2B	Z	-51.552	2
60	MP2B	Mx	.019	2
61	MP2C	X	-29.763	2
62	MP2C	Z	-51.552	2
63	MP2C	Mx	.019	2
	MP1A	X	-35.472	1.5
64 65	MP1A	Z	-61.44	1,5
66	MP1A	Mx	.018	1.5
	MP1A	X	-35.472	3.5
67	MP1A	Z	-61.44	3.5
68	MP1A	Mx	.018	3.5
69	MP1B	X	-35.472	1.5
70	MP1B	Z	-61.44	1.5
71	MP1B	Mx	.018	1.5
72	MP1B	X	-35.472	3.5
73	MP1B	Ž	-61.44	3.5
74	MP1B	Mx	.018	3.5
75	MP1C	X	-14.611	1.5
76	MP1C	Z	-25.307	1.5
77	MP1C	Mx	015	1.5
78	MP1C	X	-14.611	3.5
79	MP1C	Z	-25.307	3.5
80		Mx	015	3.5
81	MP1C	X	-82.674	1
82	OVP	Z	-143.196	1
83	OVP	Mx	0	1
84	OVP	X	-17.161	4.5
85	MP2A	Z	-29.723	4.5
86	MP2A MP2A	Mx	009	4.5

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

A CONTROL CARAL	Direction	Magnitude[lb,k-ft]	Location[ft,%]
Member Label	X	0	.3
1 MP2A	7	-33.931	.3
2 MP2A	Mx	02	.3
3 MP2A	V	0	4.7
4 MP2A	7	-33.931	4.7
5 MP2A		02	4.7
6 MP2A	Mx	0	.3
7 MP2B	X	0	

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

8	Member Label MP2B	Direction	Magnitude[ib.k-ft]	Location[ft,%]
9	MP2B	Z	-26.084	.3
10	MP2B	Mx	.019	.3
11	MP2B	X	0	4.7
12	MP2B	Mx	-26.084	4.7
13	MP2C	X	.019	4.7
14	MP2C	Ž	0	.3
15	MP2C	Mx	-26.084	.3
16	MP2C	X	004	.3
17	MP2C	Z	0	4.7
18	MP2C	Mx	-26.084	4.7
19	MP2A	X	004 0	4.7
20	MP2A	Z	-33.931	.3
21	MP2A	Mx	.02	.3
22	MP2A	X	0	.3
23	MP2A	Z	-33.931	4.7
24	MP2A	Mx	.02	4.7
25	MP2B	X	0	4.7
26	MP2B	Z	-26.084	.3
27	MP2B	Mx	.004	.3
28	MP2B	X	0	
29	MP2B	Z	-26.084	4.7
30	MP2B	Mx	.004	4.7
31	MP2C	X	0	4.7
32	MP2C	Z	-26.084	*3
33	MP2C	Mx	019	.3
34	MP2C	X	0	4.7
35	MP2C	Z	-26.084	4.7
36	MP2C	Mx	019	4.7
37	MP3A	X	0	2
38	MP3A	Z	-17.505	2
39	MP3A	Mx	0	2
40	MP3B	X	0	2
41	MP3B	Z	-17.505	2
42	MP3B	Mx	0	2
43	MP3C	X	0	2
44	MP3C	Z	-17.505	2
45	MP3C	Mx	0	2
46	MP2A	X	0	2
47	MP2A	Z	-16.885	2
48	MP2A	Mx	011	2
49	MP2B	X	0	2
50	MP2B	Z	-13.038	2
51	MP2B	Mx	001	2
52	MP2C	X	0	2
53	MP2C	Z	-13.038	2
54	MP2C	Mx	.01	2
55	MP2A	X	0	2
56	MP2A	Z	-16.885	2
57	MP2A	Mx	.011	2
58	MP2B	X	0	2
59	MP2B	Z	-16.885	2
30	MP2B	Mx	.011	2
61	MP2C	X	0	2
52	MP2C	Z	-16.885	2
33	MP2C	Mx	.011	2
34	MP1A	X	0	1.5
35	MP1A	Z	-20.008	1.5
66	MP1A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1A	X	0	3.5
67	MP1A	Z	-20.008	3.5
68	MP1A	Mx	0	3.5
69	MP1B	X	0	1.5
70	MP1B	Z	-11.407	1.5
71	MP1B	Mx	.005	1.5
72		X	0	3.5
73	MP1B	Z	-11.407	3.5
74	MP1B	Mx	.005	3.5
75	MP1B	X	0	1.5
76	MP1C	Z	-11.407	1.5
77	MP1C	Mx	005	1.5
78	MP1C	X	0	3.5
79	MP1C	7	-11.407	3.5
80	MP1C		005	3.5
81	MP1C	Mx	0	1 10
82	OVP	X	-34.66	
83	OVP	Z	-34.00	1004 1 10
84	OVP	Mx	0	4.5
85	MP2A	X	-9.296	4.5
86	MP2A	Z	-9.290 0	4.5
87	MP2A	Mx	U	4.0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	15.657	.3
2	MP2A	Z	-27.119	.3
3	MP2A	Mx	024	,3
4	MP2A	X	15.657	4.7
5	MP2A	Z	-27.119	4.7
6	MP2A	Mx	024	4.7
7	MP2B	X	11.734	.3
8	MP2B	Z	-20.324	.3
9	MP2B	Mx	.012	.3
10	MP2B	X	11.734	4.7
11	MP2B	Z	-20.324	4.7
12	MP2B	Mx	.012	4.7
13	MP2C	X	15.657	.3
14	MP2C	Z	-27.119	.3
15	MP2C	Mx	.008	.3
16	MP2C	X	15.657	4.7
	MP2C	Z	-27.119	4.7
17	MP2C	Mx	.008	4.7
18	MP2A	X	15.657	.3
19	MP2A	Z	-27.119	.3
20	MP2A	Mx	.008	.3
21	MP2A	X	15.657	4.7
22	MP2A	Ž	-27.119	4.7
23	MP2A	Mx	.008	4.7
24	MP2B	X	11.734	.3
25	MP2B	Z	-20.324	.3
26	MP2B	Mx	.012	.3
27	MP2B	X	11.734	4.7
28	MP2B	Z	-20.324	4.7
29	MP2B	Mx	.012	4.7
30		X	15.657	.3
31	MP2C MP2C	Z	-27.119	.3
32	MP2C MP2C	Mx	024	.3
33 34	MP2C MP2C	X	15.657	4.7

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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
			4.7
			4.7
	X		2
			2
			2
	X		2
			2
			2
			2
			2
			2
	X		2
		-13.512	2
		005	2
	X	5.878	2
MP2B	Z	-10.181	2
	Mx	006	2
	X	7.801	2
	Z	-13.512	2
	Mx	.013	2
	X		2
	Z		2
	Mx		2
MP2B	X	7.558	2
MP2B	Z		2
MP2B	Mx		2
MP2C			2
MP2C	Z		2
MP2C			2
MP1A			1.5
MP1A	Z		1.5
MP1A			1.5
MP1A			3.5
MP1A	Z		3.5
MP1A			3.5
MP1B			1.5
MP1B	Z		1.5
MP1B			1.5
MP1B			3.5
MP1B			3.5
MP1B			3.5
			1.5
			1.5
MP1C			1.5
			3.5
			3.5
			3.5
			3.5
	7		1
			1 10
MP2A	Ž	-6.8	4.5 4.5
		-110	
	MP2C MP3A MP3A MP3A MP3A MP3B MP3B MP3B MP3B MP3C MP3C MP3C MP3C MP3C MP2A MP2A MP2A MP2A MP2B MP2B MP2B MP2C MP2C MP2C MP2C MP2C MP2C MP2A MP2A MP2B MP2B MP2B MP2B MP2B MP2B MP2B MP2C MP1C MP1C MP1C MP1C MP1C MP1C MP1C MP1	MP2C Mx MP3A X MP3A Z MP3A Mx MP3B X MP3B X MP3B X MP3B X MP3B Mx MP3B X MP3C X MP3C X MP3C Mx MP2A X MP2A X MP2B X MP2B X MP2C X MP2C X MP2A X MP2A X MP2A X MP2A X MP2B X MP2C X MP2C X MP2C X MP2C X	MP2C X -27.119 MP2C Mx -024 MP3A X 7.597 MP3A X 7.597 MP3B Mx .004 MP3C X 7.597 MP3C X 7.590 MP2A X 7.801 MP2A X 7.801 MP2B X 5.878 MP2B X 7.580 MP2C X 7.558 MP2A X

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP2A	X	22.589	3
2	MP2A	Z	-13.042	.3

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

	Member Label	: Antenna Wi (60 De	Magnitude[lb,k-ft]	Location[ft.%]
3	MP2A	Mx	019	.3
4	MP2A	X	22.589	4.7
5	MP2A	Z	-13.042	4.7
6	MP2A	Mx	019	
7	MP2B	X	22.589	.3
8	MP2B	Z	-13.042	.3
9	MP2B	Mx	.004	.3
10	MP2B	X	22.589	4.7
11	MP2B	Y Z	-13.042	4.7
12	MP2B	Mx	.004	4.7
13	MP2C	X	29.385	.3
14	MP2C	Z	-16.965	.3
15	MP2C	Mx	.02	.3
16	MP2C	X	29.385	4.7
17	MP2C	Z	-16.965	4.7
	MP2C	Mx	.02	4.7
18	MP2A	X	22.589	.3
19	MP2A	Ž	-13.042	.3
20	MP2A	Mx	004	.3
21	MP2A	X	22.589	4.7
22		Ž	-13.042	4.7
23	MP2A	Mx	004	4.7
24	MP2A	X	22.589	.3
25	MP2B	Ž	-13.042	.3
26	MP2B	Mx	.019	.3
27	MP2B	X	22.589	4.7
28	MP2B	Z	-13.042	4.7
29	MP2B	Mx	.019	4.7
30	MP2B	X	29.385	.3
31	MP2C	Ž	-16.965	.3
32	MP2C	Mx	02	.3
33	MP2C		29.385	4.7
34	MP2C	X	-16.965	4.7
35	MP2C	Z	02	4.7
36	MP2C	Mx	9.154	2
37	MP3A	X	-5.285	2
38	MP3A	Z	.005	2
39	MP3A	Mx	9.154	2
40	MP3B	X	-5.285	2
41	MP3B	Z		2
42	MP3B	Mx	.005	2
43	MP3C	X	9.154	2
44	MP3C	Z	-5.285	2
45	MP3C	Mx	.005	2
46	MP2A	X	11.291	2
47	MP2A	Z	-6.519	
48	MP2A	Mx	.001	2
49	MP2B	X	11.291	2
50	MP2B	Z	-6.519	2
51	MP2B	Mx	01	2
52	MP2C	X	14.623	2
53	MP2C	Z	-8.442	2
54	MP2C	Mx	.011	2
55	MP2A	X	10.026	2
	MP2A	Z	-5.788	2
56		Mx	.009	2
57	MP2A MP2B	X	10.026	2
58		Z	-5.788	2
59	MP2B MP2B	Mx	.009	2
61	MP2B MP2C	X	10.026	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP2C	Z Z	-5.788	2
63	MP2C	Mx	.009	2
64	MP1A	X	9.879	1.5
65	MP1A	Z	-5.703	1.5
66	MP1A	Mx	005	1.5
67	MP1A	X	9.879	3.5
68	MP1A	Z	-5.703	3.5
69	MP1A	Mx	005	3.5
70	MP1B	X	9.879	1.5
71	MP1B	Z	-5.703	1.5
72	MP1B	Mx	.005	1.5
73	MP1B	X	9.879	3.5
74	MP1B	Z	-5.703	3.5
75	MP1B	Mx	.005	3.5
76	MP1C	X	17.328	1.5
77	MP1C	Z	-10.004	1.5
78	MP1C	Mx	0	1.5
79	MP1C	X	17.328	3.5
80	MP1C	Z	-10.004	3.5
81	MP1C	Mx	0	3.5
82	OVP	X	25.117	1 1
83	OVP	Z	-14.501	1
84	OVP	Mx	0	
85	MP2A	X	4.298	4.5
86	MP2A	Z	-2.482	4.5
87	MP2A	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	23.468	.3
2	MP2A	Z	0	.3
3	MP2A	Mx	012	.3
4	MP2A	X	23.468	4.7
5	MP2A	Z	0	4.7
6	MP2A	Mx	012	4.7
7	MP2B	X	31.315	.3
8	MP2B	Z	0	.3
9	MP2B	Mx	008	.3
10	MP2B	X	31.315	4.7
11	MP2B	Z	0	4.7
12	MP2B	Mx	008	4.7
13	MP2C	X	31.315	.3
14	MP2C	Z	0	.3
15	MP2C	Mx	.024	.3
16	MP2C	X	31.315	4.7
17	MP2C	Z	0	4.7
18	MP2C	Mx	.024	4.7
19	MP2A	X	23.468	.3
20	MP2A	Z	0	.3
21	MP2A	Mx	012	.3
22	MP2A	X	23.468	4.7
23	MP2A	Z	0	4.7
24	MP2A	Mx	012	4.7
25	MP2B	X	31.315	.3
26	MP2B	Z	0	.3
27	MP2B	Mx	.024	.3
28	MP2B	X	31.315	4.7
29	MP2B	Z	0	4.7

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

	Member Label	: Antenna Wi (90 De	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	.024	4.7
31	MP2C	X	31.315	.3
32	MP2C	Z	0	.3
33	MP2C	Mx	008	4.7
34	MP2C	X	31.315	4.7
35	MP2C	Z	0	4.7
36	MP2C	Mx	008	2
37	MP3A	X	8.258	2
38	MP3A	Z	0	2
39	MP3A	Mx	.004 8.258	2
40	MP3B	X	0.236	2
41	MP3B	Z	.004	2
42	MP3B	Mx		2
43	MP3C	X	8.258 0	2
44	MP3C	Z	.004	2
45	MP3C	Mx	11.756	2
46	MP2A	X	0	2
47	MP2A	Z	.006	2
48	MP2A	Mx	15.603	2
49	MP2B	X	0	2
50	MP2B	Mx	013	2
51	MP2B	X	15.603	2
52	MP2C	Ž	0	2
53	MP2C	Mx	.005	2
54	MP2C		9.807	2
55	MP2A	X	0	2
56	MP2A	Mx	.005	2
57	MP2A	X	9.807	2
58	MP2B	Z	0	2
59	MP2B	Mx	.005	2
60	MP2B	X	9.807	2
61	MP2C	Z	0	2
62	MP2C	Mx	.005	2
63	MP2C	X	8.54	1.5
64	MP1A	Ž	0	1.5
65	MP1A MP1A	Mx	004	1.5
66	MP1A MP1A	X	8.54	3.5
67	MP1A	Z	0	3.5
68	MP1A MP1A	Mx	004	3.5
69	MP1B	X	17.141	1.5
70	MP1B MP1B	Z	0	1.5
71	MP1B	Mx	.004	1.5
72	MP1B	X	17.141	3.5
73	MP1B	Z	0	3.5
75	MP1B	Mx	.004	3.5
76	MP1C	X	17.141	1.5
77	MP1C	Z	0	1.5
78	MP1C	Mx	.004	1.5
79	MP1C	X	17.141	3.5
80	MP1C	Z	0	3.5
81	MP1C	Mx	.004	3.5
82	OVP	X	27.117	
83	OVP	Z	0	1
84	OVP	Mx	0	1 1
85	MP2A	X	3.519	4.5
86	MP2A	Z	0	4.5
87	MP2A	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	X	22.589	.3
3	MP2A	Z	13.042	.3
4	MP2A	Mx	004	.3
5	MP2A MP2A	X	22.589	4.7
6	MP2A	Z	13.042	4.7
7	MP2B	Mx	004	4.7
8	MP2B	X	29.385	.3
9	MP2B	Z	16.965	.3
10	MP2B	Mx	02	.3
11	MP2B	X	29.385	4.7
12	MP2B	Z	16.965	4.7
13	MP2C	Mx	02	4.7
14	MP2C	X	22.589	.3
15	MP2C		13.042	.3
16	MP2C	Mx X	.019	.3
17	MP2C	Z	22.589	4.7
18	MP2C		13.042	4.7
19	MP2A	Mx X	.019	4.7
20	MP2A	Z	22.589 13.042	.3
21	MP2A	Mx	019	.3
22	MP2A	X	22.589	.3
23	MP2A	Z	13.042	4.7
24	MP2A	Mx	019	4.7
25	MP2B	X	29.385	4.7
26	MP2B	Z	16.965	.3
27	MP2B	Mx	.02	.3
28	MP2B	X	29.385	4.7
29	MP2B	Z	16.965	4.7
30	MP2B	Mx	.02	4.7
31	MP2C	X	22.589	.3
32	MP2C	Z	13.042	.3
33	MP2C	Mx	.004	.3
34	MP2C	X	22.589	4.7
35	MP2C	Z	13.042	4.7
36	MP2C	Mx	.004	4.7
37	MP3A	X	9.154	2
38	MP3A	Z	5.285	2
39	MP3A	Mx	.005	2
40	MP3B	X	9.154	2
41	MP3B	Z	5.285	2
42	MP3B	Mx	.005	2
43	MP3C	X	9.154	2
14	MP3C	Z	5.285	2
15	MP3C	Mx	.005	2
16	MP2A	X	11.291	2
17	MP2A	Z	6.519	2
18	MP2A	Mx	.01	2
19	MP2B	X	14.623	2
50	MP2B	Z	8.442	2
1	MP2B	Mx	011	2
52	MP2C	X	11.291	2
3	MP2C	Z	6.519	2
54	MP2C	Mx	001	2
55	MP2A	X	10.026	2
66	MP2A	Z	5.788	2
57	MP2A	Mx	.001	2
58	MP2B	X	10.026	2
59	MP2B	Z	5.788	2

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

	Point Loads (BLC 19	Direction	Magnitude[lb,k-ft]	Location[ft,%]
00	Member Label	Mx	.001	2
60	MP2B	X	10.026	2
61	MP2C	Z	5.788	2
62	MP2C	Mx	.001	2
63	MP2C	X	9.879	1.5
64	MP1A	Z	5.703	1.5
65	MP1A	Mx	005	1.5
66	MP1A	X	9.879	3.5
67	MP1A	Ž	5.703	3.5
68	MP1A	Mx	005	3.5
69	MP1A	X	17.328	1.5
70	MP1B	Z	10.004	1.5
71	MP1B		0	1.5
72	MP1B	Mx	17.328	3.5
73	MP1B	X	10.004	3.5
74	MP1B	Z	0	3.5
75	MP1B	Mx	9.879	1.5
76	MP1C	X	5.703	1.5
77	MP1C	Z		1.5
78	MP1C	Mx	.005	3.5
79	MP1C	X	9.879	3.5
80	MP1C	Z	5.703	3.5
81	MP1C	Mx	.005	3.3
82	OVP	X	25.117	1
83	OVP	Z	14.501	1
84	OVP	Mx	0	
85	MP2A	X	4.298	4.5
86	MP2A	Z	2.482	
87	MP2A	Mx	.002	4.5

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

	Version land	Direction	Magnitude[lb,k-ft]	Location[ft,%]
_	Member Label MP2A	X	15.657	.3
1	MP2A	Ž	27.119	.3
2		Mx	.008	.3
3	MP2A	X	15.657	4.7
4	MP2A	Z	27.119	4.7
5	MP2A	Mx	.008	4.7
6	MP2A	X	15.657	.3
7	MP2B	Z	27.119	.3
8	MP2B	Mx	024	.3
9	MP2B	X	15.657	4.7
10	MP2B	Z	27.119	4.7
11	MP2B	Mx	024	4.7
12	MP2B		11.734	.3
13	MP2C	X	20.324	.3
14	MP2C		.012	.3
15	MP2C	Mx	11.734	4.7
16	MP2C	X	20.324	4.7
17	MP2C	Z	.012	4.7
18	MP2C	Mx	15.657	.3
19	MP2A	X	27.119	.3
20	MP2A	Z		.3
21	MP2A	Mx	024	4.7
22	MP2A	X	15.657	4.7
23	MP2A	Z	27.119	4.7
24	MP2A	Mx	024	.3
25	MP2B	X	15.657	.3
26	MP2B	Z	27.119	.3
27	MP2B	Mx	.008	.3

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

00.1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
28	MP2B	X	15.657	4.7
29	MP2B	Z	27.119	4.7
30	MP2B	Mx	.008	4.7
31	MP2C	X	11.734	.3
32	MP2C	Z	20.324	.3
33	MP2C	Mx	.012	43
35	MP2C	X	11.734	4.7
36	MP2C	Z	20.324	4.7
37	MP2C	Mx	.012	4.7
38	MP3A	X	7.597	2
39	MP3A	Z	13.158	2
40	MP3A	Mx	.004	2
41	MP3B	X	7.597	2
42	MP3B	Z	13.158	2
	MP3B	Mx	.004	2
43	MP3C	X	7.597	2
44	MP3C	Z	13.158	2
45	MP3C	Mx	.004	2
46	MP2A	X	7.801	2
48	MP2A	Z	13.512	2
	MP2A	Mx	.013	2
49	MP2B	X	7.801	2
50	MP2B	Z	13.512	2
51	MP2B	Mx	005	2
52	MP2C	X	5.878	2
53	MP2C	Z	10.181	2
54	MP2C	Mx	006	2
55	MP2A	X	7.558	2
56	MP2A	Z	13.09	2
57	MP2A	Mx	005	2
58	MP2B	X	7.558	2
59	MP2B	Z	13.09	2
60	MP2B	Mx	005	2
61	MP2C	X	7.558	2
62	MP2C	Z	13.09	2
63	MP2C	Mx	005	2
64	MP1A	X	8.571	1.5
65	MP1A	Z	14.845	1.5
66	MP1A	Mx	004	1.5
67	MP1A	X	8.571	3.5
68 69	MP1A	Z	14.845	3.5
	MP1A	Mx	004	3.5
70	MP1B	X	8.571	1.5
72	MP1B	Z	14.845	1.5
73	MP1B MP1B	Mx	004	1.5
74	MP1B MP1B	X	8.571	3.5
75	MP1B	Z	14.845	3.5
76	MP1B MP1C	Mx	004	3.5
7	MP1C	X	4.27	1.5
78	MP1C	Z	7.396	1.5
9	MP1C	Mx	.004	1.5
	MP1C	X	4.27	3.5
30	MP1C	Z	7.396	3.5
31	MP1C	Mx	.004	3.5
32	OVP	X	16.387	1
33	OVP	Z	28.383	1
34	OVP	Mx	0	
35	MP2A	X	3.926	4.5
36	MP2A	Z	6.8	4.5

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

MICHIDO				
	Marked abol	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	Member Label		.002	4.5
87	MP2A	Mx	,002	7.0

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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1 MP2A	X	0	.3
2 MP2A	Z	33.931	.3
3 MP2A	Mx	.02	4.7
4 MP2A	X		4.7
5 MP2A	Z	33.931	4.7
6 MP2A	Mx	.02	.3
7 MP2B	X	0	.3
8 MP2B	Z	26.084	.3
9 MP2B	Mx	019	4.7
10 MP2B	X	0	4.7
11 MP2B	Z	26.084	4.7
MP2B	Mx	019	.3
MP2C	X	0	.3
14 MP2C	Z	26.084	.3
15 MP2C	Mx	.004	4.7
16 MP2C	X	0	4.7
17 MP2C	Z	26.084	4.7
18 MP2C	Mx	.004	.3
19 MP2A	X	0	.3
20 MP2A	Z	33.931	.3
21 MP2A	Mx	02	4.7
22 MP2A	X	0 33.931	4.7
23 MP2A	Z		4.7
24 MP2A	Mx	02	.3
25 MP2B	X	0	.3
26 MP2B	Z	26.084 004	.3
27 MP2B	Mx	004	4.7
28 MP2B	X		4.7
29 MP2B	Z	26.084 004	4.7
30 MP2B	Mx	004	.3
31 MP2C	X	26.084	.3
32 MP2C	Z	.019	.3
33 MP2C	Mx	0	4.7
34 MP2C	X	26.084	4.7
35 MP2C	Z	.019	4.7
36 MP2C	Mx	.019	2
37 MP3A	X	17.505	2
38 MP3A	Z	0	2
39 MP3A	Mx	0	2
40 MP3B	X	17.505	2
41 MP3B	Z		2
42 MP3B	Mx	0	2
43 MP3C	X		2
44 MP3C	Z	17.505	2
45 MP3C	Mx	0	2
46 MP2A	X		2
47 MP2A	Z	16.885	2
48 MP2A	Mx	.011	2
49 MP2B	X	0	2
50 MP2B	Z	13.038	2
51 MP2B	Mx	.001	2
52 MP2C	X	0	
53 MP2C	Z	13.038	2
54 MP2C	Mx	01	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5 5	MP2A	X	0	
56	MP2A	Z	16.885	2 2
57	MP2A	Mx	011	2
58	MP2B	X	0	2
59	MP2B	Z	16.885	2
60	MP2B	Mx	011	2
61	MP2C	X	0	2
62	MP2C	Z	16.885	2
63	MP2C	Mx	011	2
64	MP1A	X	0	1.5
65	MP1A	Z	20.008	1.5
66	MP1A	Mx	0	1.5
67	MP1A	X	0	3.5
68	MP1A	Z	20.008	3.5
69	MP1A	Mx	0	3.5
70	MP1B	X	0	1.5
71	MP1B	Z	11.407	1.5
72	MP1B	Mx	005	1.5
73	MP1B	X	0	3.5
74	MP1B	Z	11.407	3.5
75	MP1B	Mx	005	3.5
76	MP1C	X	0	1.5
77	MP1C	Z	11.407	1.5
78	MP1C	Mx	.005	1.5
79	MP1C	X	0	3.5
80	MP1C	Z	11.407	
81	MP1C	Mx	.005	3.5
32	OVP	X	.005	3.5
83	OVP	Z	34.66	
84	OVP	Mx	0	1
35	MP2A	X	0	1
86	MP2A	Z	9.296	4.5
87	MP2A	Mx	9.296	4.5 4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	-15.657	.3
2	MP2A	Z	27.119	.3
3	MP2A	Mx	.024	.3
4	MP2A	X	-15.657	4.7
5	MP2A	Z	27.119	4.7
6	MP2A	Mx	.024	4.7
7	MP2B	X	-11.734	.3
8	MP2B	Z	20.324	.3
9	MP2B	Mx	012	.3
10	MP2B	X	-11.734	4.7
11	MP2B	Z	20.324	4.7
12	MP2B	Mx	012	4.7
13	MP2C	X	-15.657	.3
14	MP2C	Z	27.119	.3
15	MP2C	Mx	008	.3
16	MP2C	X	-15.657	4.7
17	MP2C	Z	27.119	
18	MP2C	Mx	008	4.7
19	MP2A	X	-15.657	4.7
20	MP2A	Z	27.119	.3
21	MP2A	Mx	008	.3
22	MP2A	X	-15.657	.3

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

Membe	er Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23 MF	2A	Z	27.119	4.7
24 MF	2A	Mx	008	.3
25 MF	2B	X	-11.734	.3
26 MF	2B	Music Z	20.324 012	.3
27 MF	2B	Mx		4.7
28 MF	2B	X	-11. 734 20.324	4.7
29 MF	2B	Z	012	4.7
	2B	Mx	-15.657	.3
	2C	X	27.119	.3
	2C	Z	.024	.3
	2C	Mx	-15.657	4.7
	2C	X	27.119	4.7
	2C	Z	.024	4.7
	2C	Mx	-7.597	2
700.00	23A	X	13.158	2
	P3A	Z	004	2
-	P3A	Mx	-7.597	2
	P3B	X	13.158	2
	P3B	Mx	004	2
	23B		-7.597	2
1.4	23C	X	13.158	2
	P3C	Mx	004	2
	23C	X	-7.801	2
	P2A	Z	13.512	2
	2A	Mx	.005	2
	P2A	X	-5.878	2
	P2B	Z	10.181	2
	P2B	Mx	.006	2
• •	P2B	X	-7.801	2
	P2C	Z	13.512	2
	P2C	Mx	013	2
	P2C	X	-7.558	2
	P2A	Z	13.09	2
	P2A	Mx	013	2
1.202	P2A	X	-7.558	2
	P2B P2B	Z	13.09	2
	P2B	Mx	013	2
	P2C	X	-7.558	2
	P2C	Z	13.09	2
	P2C	Mx	013	2
0.00	P1A	X	-8.571	1.5
	P1A	Z	14.845	1.5
	P1A	Mx	.004	1.5
	P1A	X	-8.571	3.5
	P1A	Z	14.845	3.5
	P1A	Mx	.004	3.5
	P1B	X	-4.27	1.5
	P1B	Z	7.396	1.5
	P1B	Mx	004	1.5
	P1B	X	-4.27	3.5
	P1B	Z	7.396	3.5
	P1B	Mx	004	3.5
	P1C	X	-8.571	1.5
	P1C	Z	14.845	1.5
	P1C	Mx	.004	1.5
	P1C	X	-8.571	3.5
	P1C	Z	14.845	3.5
	P1C	Mx	.004	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	OVP	X	-16.387	1
83 84	OVP	Z	28.383	
	OVP	Mx	0	
85	MP2A	X	-3.926	4.5
86 87	MP2A	Z	6.8	4.5
87	MP2A	Mx	002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-22.589	.3
2	MP2A	Z	13.042	.3
3	MP2A	Mx	.019	.3
4	MP2A	X	-22.589	4.7
5	MP2A	Z	13.042	4.7
6	MP2A	Mx	.019	4.7
7	MP2B	X	-22.589	.3
8	MP2B	Z	13.042	.3
9	MP2B	Mx	004	.3
10	MP2B	X	-22.589	4.7
11	MP2B	Z	13.042	4.7
12	MP2B	Mx	004	4.7
13	MP2C	X	-29.385	.3
14	MP2C	Z	16.965	.3
15	MP2C	Mx	02	.3
16	MP2C	X	-29.385	4.7
17	MP2C	Z	16.965	4.7
18	MP2C	Mx	02	4.7
19	MP2A	X	-22.589	.3
20	MP2A	Z	13.042	.3
21	MP2A	Mx	.004	.3
22	MP2A	X	-22.589	4.7
23	MP2A	Z	13.042	4.7
24	MP2A	Mx	.004	4.7
25	MP2B	X	-22.589	.3
26	MP2B	Z	13.042	.3
27	MP2B	Mx	019	.3
28	MP2B	X	-22.589	4.7
29	MP2B	Z	13.042	4.7
30	MP2B	Mx	019	4.7
31	MP2C	X	-29.385	.3
32	MP2C	Z	16.965	.3
33	MP2C	Mx	.02	.3
34	MP2C	X	-29.385	4.7
35	MP2C	Z	16.965	4.7
36	MP2C	Mx	.02	4.7
37	MP3A	X	-9.154	2
38	MP3A	Z	5,285	2
39	MP3A	Mx	005	2
40	MP3B	X	-9.154	2
41	MP3B	Z	5.285	2
42	MP3B	Mx	005	2
43	MP3C	X	-9.154	2
44	MP3C	Z	5.285	2
45	MP3C	Mx	005	2
46	MP2A	X	-11.291	2 2
47	MP2A	Z	6.519	2
48	MP2A	Mx	001	2
49	MP2B	X	-11.291	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP2B	Z	6.519	2
51	MP2B	Mx	.01	2
52	MP2C	X	-14.623	2
53	MP2C	Z	8.442	2
54	MP2C	Mx	011	2
55	MP2A	X	-10.026	2
56	MP2A	Z	5.788	2
57	MP2A	Mx	009	2
58	MP2B	X	-10.026	2
59	MP2B	Z	5.788	2
60	MP2B	Mx	009	2
61	MP2C	X	-10.026	2
62	MP2C	Z	5.788	2
63	MP2C	Mx	009	2
64	MP1A	X	-9.879	1.5
65	MP1A	Z	5.703	1.5
66	MP1A	Mx	.005	1.5
67	MP1A	X	-9.879	3.5
	MP1A	Z	5.703	3.5
68 69	MP1A	Mx	.005	3.5
70	MP1B	X	-9.879	1.5
71	MP1B	Z	5.703	1.5
72	MP1B	Mx	005	1.5
	MP1B	X	-9.879	3.5
73	MP1B	Z	5.703	3.5
74	MP1B MP1B	Mx	005	3.5
75	MP1C	X	-17.328	1.5
76	MP1C MP1C	Z	10.004	1.5
77	MP1C	Mx	0	1.5
78	MP1C MP1C	X	-17.328	3.5
79	MP1C MP1C	Z	10.004	3.5
80	MP1C MP1C	Mx	0	3.5
81	OVP	X	-25,117	
82	OVP	Z	14.501	1
83		Mx	0	1
84	OVP	X	-4.298	4.5
85	MP2A	Z	2.482	4.5
86	MP2A MP2A	Mx	002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-23.468	.3
2	MP2A	Z	0	.3
3	MP2A	Mx	.012	.3
4	MP2A	X	-23.468	4.7
5	MP2A	Z	0	4.7
6	MP2A	Mx	.012	4.7
7	MP2B	X	-31.315	.3
8	MP2B	Z	0	.3
9	MP2B	Mx	.008	.3
10	MP2B	X	-31.315	4.7
11	MP2B	Z	0	4.7
12	MP2B	Mx	.008	4.7
13	MP2C	X	-31.315	.3
14	MP2C	Z	0	.3
	MP2C	Mx	024	.3
15	MP2C	X	-31.315	4.7
16	MP2C	Z	0	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	024	4.7
19	MP2A	X	-23.468	.3
20	MP2A	Z	0	3
21	MP2A	Mx	.012	.3
22	MP2A	X	-23.468	4.7
23	MP2A	Z	0	4.7
24 25	MP2A	Mx	.012	4.7
26	MP2B	X	-31.315	.3
27	MP2B	Z	0	.3
28	MP2B	Mx	024	.3
29	MP2B MP2B	X	-31.315	4.7
30	MP2B	Z	0	4.7
31		Mx	024	4.7
32	MP2C MP2C	X	-31.315	.3
33		Z	0	.3
34	MP2C	Mx	.008	.3
35	MP2C	X	-31.315	4.7
36	MP2C MP2C	Z	0	4.7
37	MP3A	Mx	.008	4.7
38		X	-8.258	2
39	MP3A MP3A	Z	0	2
10	MP3B	Mx	004	2
11	MP3B	X	-8.258	2
12	MP3B	Z	0	2
13	MP3C	Mx	004	2
4	MP3C	X	-8.258	2
15	MP3C	Z	0	2
16	MP2A	Mx	004	2
7	MP2A	X Z	-11.756	2
8	MP2A		0	2
19	MP2B	Mx	006	2
50	MP2B	X	-15.603	2
51	MP2B	Mx	0	2
52	MP2C		.013	2
3	MP2C	X	-15.603	2
4	MP2C		0	2
5	MP2A	Mx	005	2
6	MP2A	X	-9.807	2
7	MP2A		0	2
8	MP2B	Mx X	005	2
9	MP2B	Z	-9.807	2
0	MP2B		0	2
1	MP2C	Mx X	005	2
2	MP2C	Z	-9.807	2
3	MP2C		0	2
4	MP1A	Mx X	005	2
5	MP1A	Z	-8.54	1.5
6	MP1A	Mx	.004	1.5
7	MP1A	X		1.5
8	MP1A	Z	-8.54	3.5
9	MP1A	Mx	0	3.5
0	MP1B	X	.004	3.5
1	MP1B	Z	-17.141	1.5
2	MP1B		0	1.5
3	MP1B	Mx	004	1.5
4	MP1B	X	-17.141	3.5
5	MP1B		0	3.5
6	MP1C	Mx	004	3.5
U	MPTC	X	-17.141	1.5

Company Designer Job Number Model Name Colliers Engineering & Design

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

iember r ome L		Direction	Magnitude[lb,k-ft]	Location[ft,%]
	mber Label	7	0	1.5
	MP1C	Mu	004	1.5
	MP1C	Mx		3.5
79	MP1C	X	-17.141	
	MP1C	Z	0	3.5
	MP1C	Mx	004	3.5
82	OVP	X	-27.117	1
83	OVP	Z	0	11
84	OVP	Mx	0	neuman 1
	MP2A	X	-3.519	4.5
		7	0	4.5
00	MP2A	14.	002	4.5
87	MP2A	Mx	002	1.0

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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1 MP2A	X	-22.589	.3
2 MP2A	Z	-13.042	.3
3 MP2A	Mx	.004	.3
4 MP2A	X	-22.589	4.7
5 MP2A	Z	-13.042	4.7
6 MP2A	Mx	.004	4.7
7 MP2B	X	-29.385	.3
8 MP2B	Z	-16.965	.3
9 MP2B	Mx	.02	.3
10 MP2B	X	-29.385	4.7
11 MP2B	Z	-16.965	4.7
12 MP2B	Mx	.02	4.7
13 MP2C	X	-22.589	.3
14 MP2C	Z	-13.042	.3
15 MP2C	Mx	019	.3
16 MP2C	X	-22.589	4.7
17 MP2C	Z	-13.042	4.7
18 MP2C	Mx	019	4.7
	X	-22.589	,3
	Z	-13.042	.3
	Mx	.019	.3
	X	-22.589	4.7
	Z	-13.042	4.7
	Mx	.019	4.7
	X	-29.385	.3
	Z	-16.965	.3
26 MP2B	Mx	02	.3
27 MP2B	X	-29.385	4.7
28 MP2B	Z	-16.965	4.7
29 MP2B	Mx	02	4.7
30 MP2B	X	-22.589	.3
31 MP2C	Ž	-13.042	.3
32 MP2C	Mx	004	.3
33 MP2C	X	-22.589	4.7
34 MP2C	Z	-13.042	4.7
35 MP2C	Mx Mx	004	4.7
36 MP2C	X	-9.154	2
37 MP3A	Ž	-5.285	2
38 MP3A	Mx	005	2
39 MP3A	X	-9.154	2
40 MP3B	Z	-5.285	2
41 MP3B		005	2
42 MP3B	Mx	-9.154	2
43 MP3C	X	-5.285	2
44 MP3C	Z	-3.203	

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

45	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45 46	MP3C	Mx	005	2
	MP2A	X	-11.291	2
47	MP2A	Z	-6.519	2
48	MP2A	Mx	-,01	2
49	MP2B	X	-14.623	2
50	MP2B	Z	-8.442	2
51	MP2B	Mx	.011	2
52	MP2C	X	-11.291	2
53	MP2C	Z	-6.519	2
54	MP2C	Mx	.001	2
55	MP2A	X	-10.026	
56	MP2A	Z	-5.788	2 2
57	MP2A	Mx	001	2
58	MP2B	X	-10.026	2
59	MP2B	Z	-5.788	2
60	MP2B	Mx	001	2
61	MP2C	X	-10.026	2
62	MP2C	Z	-5.788	2
63	MP2C	Mx	001	2
64	MP1A	X	-9.879	1.5
65	MP1A	Z	-5.703	1.5
66	MP1A	Mx	.005	1.5
67	MP1A	X	-9.879	3.5
68	MP1A	Z	-5.703	3.5
69	MP1A	Mx	.005	3.5
70	MP1B	X	-17.328	1.5
71	MP1B	Z	-10.004	1.5
72	MP1B	Mx	0	1.5
73	MP1B	X	-17.328	3.5
74	MP1B	Z	-10.004	3.5
75	MP1B	Mx	0	3.5
76	MP1C	X	-9.879	1.5
77	MP1C	Z	-5.703	1.5
78	MP1C	Mx	005	1.5
79	MP1C	X	-9.879	3.5
80	MP1C	Z	-5.703	3.5
81	MP1C	Mx	005	3.5
82	OVP	X	-25.117	3.5
83	OVP	Z	-14.501	1
84	OVP	Mx	0	
85	MP2A	X	-4.298	
86	MP2A	Z	-2.482	4.5
87	MP2A	Mx	002	4.5 4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-15.657	.3
2	MP2A	Z	-27.119	.3
3	MP2A	Mx	008	.3
4	MP2A	X	-15.657	4.7
5	MP2A	Z	-27.119	4.7
6	MP2A	Mx	008	4.7
7	MP2B	X	-15.657	2
8	MP2B	Z	-27.119	.3
9	MP2B	Mx	.024	.3
10	MP2B	X	-15.657	4.7
11	MP2B	Z	-27.119	4.7
12	MP2B	Mx	.024	4.7

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	Point Loads (BLC 26	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	Member Label	X	-11.734	.3
13	MP2C MP2C	Z	-20.324	.3
4 5	MP2C MP2C	Mx	012	.3
	MP2C	X	-11.734	4.7
16	MP2C	Ž	-20.324	4.7
17	MP2C	Mx	012	4.7
18	MP2A	X	-15.657	.3
19	MP2A	Z	-27.119	.3
20	MP2A	Mx	.024	.3
21	MP2A	X	-15.657	4.7
22	MP2A	Z	-27.119	4.7
23	MP2A	Mx	.024	4.7
24	MP2B	X	-15.657	.3
25	MP2B	Z	-27.119	.3
26	MP2B	Mx	008	.3
27	MP2B	X	-15.657	4.7
28	MP2B	Z	-27.119	4.7
29	MP2B	Mx	008	4.7
30	MP2C	X	-11.734	.3
31	MP2C	Z	-20.324	.3
32	MP2C	Mx	012	.3
33	MP2C	X	-11.734	4.7
34	MP2C	Z	-20.324	4.7
35	MP2C	Mx	012	4.7
36		X	-7.597	2
37	MP3A MP3A	Z	-13.158	2
38	MP3A	Mx	004	2
39	MP3B	X	-7.597	2
40	MP3B	Z	-13.158	2
41		Mx	004	2
42	MP3B	X	-7.597	2
43	MP3C MP3C	Z	-13.158	2
44		Mx	004	2
45	MP3C	X	-7.801	2
46	MP2A	Z	-13.512	2
47	MP2A	Mx	013	2
48	MP2A	X	-7.801	2
49	MP2B	Z	-13.512	2
50	MP2B	Mx	.005	2
51	MP2B	X	-5.878	2
52	MP2C	Z	-10.181	2
53	MP2C	Mx	.006	2 2
54	MP2C	X	-7.558	2
55	MP2A	Ž	-13.09	2
56	MP2A	Mx	.005	2
57	MP2A	X	-7.558	2
58	MP2B	Z	-13.09	2
59	MP2B	Mx	.005	2
60	MP2B	X	-7.558	2
61	MP2C	Z	-13.09	2
62	MP2C		.005	2
63	MP2C	Mx	-8.571	1.5
64	MP1A	X	-14.845	1.5
65	MP1A		.004	1.5
66	MP1A	Mx	-8.571	3.5
67	MP1A	X	-14.845	3.5
68	MP1A	Z	.004	3.5
69	MP1A	Mx	-8.571	1.5
70	MP1B MP1B	X	-14.845	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP1B	Mx	.004	1.5
73	MP1B	X	-8.571	3.5
74	MP1B	Z	-14.845	3.5
75	MP1B	Mx	.004	3.5
76	MP1C	X	-4.27	1.5
77	MP1C	Z	-7.396	1.5
78	MP1C	Mx	004	1.5
79	MP1C	X	-4.27	3.5
80	MP1C	Z	-7.396	3.5
81	MP1C	Mx	004	3.5
82	OVP	X	-16.387	3.5
83	OVP	Z	-28.383	1
84	OVP	Mx	0	
85	MP2A	X	-3.926	1.5
86	MP2A	Z	-6,8	4.5
87	MP2A	Mx	002	4.5

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

	nber Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	MP2A	X	0	.3
	MP2A	Z	-10.35	.3
	MP2A	Mx	006	.3
	MP2A	X	0	4.7
	MP2A	Z	-10.35	4.7
	MP2A	Mx	006	4.7
	MP2B	X	0	.3
	MP2B	Z	-5.976	.3
	MP2B	Mx	.004	.3
	MP2B	X	0	4.7
11 N	MP2B	Z	-5.976	4.7
	MP2B	Mx	.004	4.7
	MP2C	X	0	.3
14 N	MP2C	Z	-5.976	.3
15 N	/IP2C	Mx	000845	.3
16 N	MP2C	X	0	4.7
17 N	/IP2C	Z	-5.976	4.7
	MP2C	Mx	000845	4.7
	/IP2A	X	0	.3
20 N	IP2A	Z	-10.35	.3
	/IP2A	Mx	.006	.3
	IP2A	X	0	4.7
	1P2A	Z	-10.35	4.7
	1P2A	Mx	.006	4.7
	1P2B	X	0	
	1P2B	Z	-5.976	.3
	MP2B	Mx	.000845	.3
	MP2B	X	.000645	.3
	1P2B	Z	-5.976	4.7
	1P2B	Mx		4.7
	1P2C	X	.000845	4.7
	IP2C	Ž	-5.976	.3
	IP2C	Mx		.3
	IP2C	X	004	.3
	IP2C	Z	0	4.7
	IP2C		-5.976	4.7
	IP3A	Mx	004	4.7
	IP3A	X	0	2
	IP3A		-5.303	2
79 IV	IPSA	Mx	0	2

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

	Point Loads (BLC 27 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP3B	X	0	2
1 1	MP3B	Z	-5.303	2
12	MP3B	Mx	0	2
43	MP3C	X	0	2
44	MP3C	Z	-5.303	2
45	MP3C	Mx	0	2
46	MP2A	X	0	2
47	MP2A	Z	-4.194	2
48	MP2A	Mx	003	2
49	MP2B	X	0	2
50	MP2B	Z	-3.159	2
51	MP2B	Mx	000315	2
52	MP2C	X	0	2
53	MP2C	Z	-3.159	2
54	MP2C	Mx	.002	2
55	MP2A	X	0	2
56	MP2A	Z	-4.194	2
57	MP2A	Mx	.003	2
58	MP2B	X	0	2
59	MP2B	Z	-4.194	2
60	MP2B	Mx	.003	2
61	MP2C	X	0	2
62	MP2C	Z	-4.194	2
63	MP2C	Mx	.003	2
64	MP1A	X	0	1.5
65	MP1A	Z	-5.303	1.5
66	MP1A	Mx	0	1.5
67	MP1A	X	0	3.5
68	MP1A	Z	-5.303	3.5
69	MP1A	Mx	0	3.5
70	MP1B	X	0	1.5
71	MP1B	Z	-2.696	1.5
72	MP1B	Mx	.001	1.5
73	MP1B	X	0	3.5
74	MP1B	Z	-2.696	3.5
75	MP1B	Mx	.001	3.5
76	MP1C	X	0	1.5
77	MP1C	Z	-2.696	1.5
78	MP1C	Mx	001	1.5
79	MP1C	X	0	3.5
80	MP1C	Z	-2.696	3.5
81	MP1C	Mx	001	3.5
82	OVP	X	0	1 1
83	OVP	Z	-10.985	11
84	OVP	Mx	0	1
85	MP2A	X	0	4.5
86	MP2A	Z	-2.598	4.5
87	MP2A	Mx	0	4.5

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

se al abol	Direction	Magnitude[lb,k-ft]	Location[ft,%]
Member Label	X	4.446	.3
1 MP2A	7	-7.701	.3
2 MP2A	Mx	007	.3
3 MP2A	WIA Y	4.446	4.7
4 MP2A	7	-7.701	4.7
5 MP2A	Mx	007	4.7
6 MP2A	IVIX	2,259	.3
7 MP2B	X	2.200	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Z	-3.913	.3
10	MP2B	Mx	.002	.3
	MP2B	X	2.259	4.7
11 12	MP2B	Z	-3.913	4.7
13	MP2B	Mx	.002	4.7
14	MP2C	X	4.446	.3
15	MP2C	Z	-7.701	.3
16	MP2C MP2C	Mx	.002	-3
17		X	4.446	4.7
18	MP2C	Z	-7.701	4.7
19	MP2C MP2A	Mx	.002	4.7
20	MP2A	X	4.446	.3
21	MP2A MP2A		-7.701	.3
22	MP2A	Mx	.002	.3
23	MP2A MP2A	X	4.446	4.7
24	MP2A	Z	-7.701	4.7
25	MP2B	Mx	.002	4.7
26	MP2B	X	2.259	.3
27	MP2B	Z	-3.913	.3
28	MP2B	Mx	.002	.3
29	MP2B	X	2.259	4.7
30	MP2B	Z	-3.913	4.7
31	MP2C	Mx	.002	4.7
32	MP2C MP2C	X	4.446	.3
33	MP2C	Z	-7.701	.3
34	MP2C	Mx	007	.3
35	MP2C MP2C	X	4.446	4.7
36	MP2C	Z	-7.701	4.7
37	MP3A	Mx	007	4.7
38	MP3A	X	2.267	2
39	MP3A		-3.926	2
40	MP3B	Mx X	.001	2
41	MP3B	Z	2.267	2
42	MP3B	Mx	-3.926	2
43	MP3C	X	.001	2
44	MP3C	Ž	2.267	2
45	MP3C	Mx	-3.926 .001	2
46	MP2A	X	1.924	2
47	MP2A	Z		2
48	MP2A	Mx	-3.333 001	2
49	MP2B	X	1.407	2 2
50	MP2B	Z	-2.437	
51	MP2B	Mx	001	2
52	MP2C	X	1.924	2 2
53	MP2C	Z	-3.333	2
54	MP2C	Mx	.003	2
55	MP2A	X	1.86	
56	MP2A	Z	-3.222	2 2
57	MP2A	Mx	.003	2
58	MP2B	X	1.86	2
59	MP2B	Z	-3.222	2
60	MP2B	Mx	.003	2
61	MP2C	X	1.86	2
62	MP2C	Z	-3.222	2
63	MP2C	Mx	.003	2
64	MP1A	X	2.217	1.5
65	MP1A	Z	-3.84	1.5
66	MP1A	Mx	001	1.5

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

	Manharlahal	Direction	Magnitude[lb,k-ft]	Location[ft.%]
07	Member Label	X	2.217	3.5
67	MP1A	Z	-3.84	3.5
68	MP1A	Mx	001	3.5
69	MP1A	X	.913	1.5
70	MP1B		-1.582	1.5
71	MP1B	Z	.000913	1.5
72	MP1B	Mx		3.5
73	MP1B	X	.913	3.5
74	MP1B	Z	-1.582	3.5
75	MP1B	Mx	,000913	
76	MP1C	X	2.217	1.5
77	MP1C	Z	-3.84	1.5
78	MP1C	Mx	001	1.5
79	MP1C	X	2.217	3.5
80	MP1C	Z	-3.84	3.5
	MP1C	Mx	001	3.5
81	OVP	X	5.167	1
82		Z	-8.95	11
83	OVP	Mx	0	
84	OVP	X	1.073	4.5
85	MP2A	Z	-1.858	4.5
86	MP2A		.000536	4.5
87	MP2A	Mx	.000000	1 7.0

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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1 MP2A	X	5.176	.3
2 MP2A	Z	-2.988	.3
3 MP2A	Mx	004	.3
4 MP2A	X	5.176	4.7
5 MP2A	Z	-2.988	4.7
6 MP2A	Mx	004	4.7
7 MP2B	X	5.176	.3
	Z	-2.988	.3
0	Mx	.000845	.3
	X	5.176	4.7
	Z	-2.988	4.7
	Mx	.000845	4.7
-	X	8.963	.3
	Z	-5.175	.3
	Mx	.006	.3
15 MP2C 16 MP2C	X	8.963	4.7
	Z	-5.175	4.7
17 MP2C	Mx	.006	4.7
18 MP2C	X	5.176	.3
19 MP2A	Z	-2.988	.3
20 MP2A	Mx	000845	.3
21 MP2A	X	5.176	4.7
22 MP2A	Z	-2.988	4.7
23 MP2A	Mx	000845	4.7
24 MP2A	X	5.176	.3
25 MP2B	Ž	-2.988	.3
26 MP2B	Mx	.004	.3
27 MP2B	X	5.176	4.7
28 MP2B	Z	-2.988	4.7
29 MP2B	Mx	.004	4.7
30 MP2B		8.963	.3
31 MP2C	X	-5.175	.3
32 MP2C		006	.3
33 MP2C	Mx	8.963	4.7
34 MP2C	X	0.303	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	-5.175	4.7
36	MP2C	Mx	006	4.7
37	MP3A	X	2.592	2
38	MP3A	Z	-1.496	2
39	MP3A	Mx	.001	2
40	MP3B	X	2.592	2
41	MP3B	Z	-1.496	2
42	MP3B	Mx	.001	2
43	MP3C	X	2.592	2
44	MP3C	Z	-1.496	2
45	MP3C	Mx	.001	2
46	MP2A	X	2.736	2
47	MP2A	Z	-1.579	2
48	MP2A	Mx	.000315	2
49	MP2B	X	2.736	2
50	MP2B	Z	-1.579	2
51	MP2B	Mx	002	2
52	MP2C	X	3.632	2
53	MP2C	Z	-2.097	2
54	MP2C	Mx	.003	2
55	MP2A	X	2.402	2
56	MP2A	Z	-1.387	2
57	MP2A	Mx	.002	2
58	MP2B	X	2.402	2
59	MP2B	Z	-1.387	2
60	MP2B	Mx	.002	2
61	MP2C	X	2.402	2
62	MP2C	Z	-1.387	2
63	MP2C	Mx	.002	2
64	MP1A	X	2.334	1.5
65	MP1A	Z	-1.348	1.5
66	MP1A	Mx	001	1.5
67	MP1A	X	2.334	3.5
68	MP1A	Z	-1.348	3.5
69	MP1A	Mx	001	3.5
70	MP1B	X	2.334	1.5
71	MP1B	Z	-1.348	1.5
72	MP1B	Mx	.001	1.5
73	MP1B	X	2.334	3.5
74	MP1B	Z	-1.348	3.5
75	MP1B	Mx	.001	3.5
76	MP1C	X	4.593	1.5
77	MP1C	Z	-2.652	1.5
78	MP1C	Mx	0	1.5
79	MP1C	X	4.593	3.5
30	MP1C	Z	-2.652	3.5
81	MP1C	Mx	0	3.5
32	OVP	X	7.822	3.5
33	OVP	Z	-4.516	1
34	OVP	Mx	0	
35	MP2A	X	1.074	4.5
86	MP2A	Z	62	4.5
87	MP2A	Mx	.000537	4.5
		11121	1000001	4.0

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft %)
	MP2A	X	4.519	3
2	MP2A	7	0	.3

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

Member Label MP2A MP2A MP2A MP2A MP2A MP2A MP2B	Direction Mx X Z	Magnitude[lb.k-ft] 002 4.519	.3 4.7
MP2A MP2A MP2A	X		4.7
MP2A MP2A	Z		
MP2A		0	4.7
	Mx	002	4.7
	X	8.892	.3
MP2B	Z	0	.3
MP2B	Mx	002	.3
MP2B	X	8.892	4.7
MP2B	Z	0	4.7
	Mx	002	4.7
		8.892	.3
	Z		.3
MP2C	Mx		.3
	X		4.7
	Z		4.7
	Mx		4.7
		4.519	.3
MP2A	Z	0	.3
		002	.3
		4.519	4.7
		0	4.7
		002	4.7
		8.892	.3
MP2B		0	.3
		.007	.3
		8.892	4.7
		0	4.7
		.007	4.7
		8.892	.3
	7	0	.3
		002	.3
			4.7
	7		4.7
		002	4.7
			2
			2
		.001	2 2
			2
		0	2
		.001	2
			2
		0	2
			2
			2
			2
			2
			2
	7		2
			2
			2
			2
			2
			2
			2
			2
			2
			2
			2
			2
	MP2B MP2C MP2C MP2C MP2C MP2C MP2C MP2C MP2C	MP2B Mx MP2C X MP2C X MP2C X MP2C X MP2C X MP2C Mx MP2C Mx MP2A X MP2B X MP2B X MP2B X MP2B X MP2B X MP2B X MP2C X MP3A X MP3A X MP3B X MP3B X MP3B X	MP2B Mx 002 MP2C X 8.892 MP2C X 4.519 MP2A X 8.892 MP2B X 8.892 MP2B X 8.892 MP2C X

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP2C	Z	0	2
63	MP2C	Mx	.001	2
64	MP1A	X	1.826	1.5
65	MP1A	Z	0	1.5
66	MP1A	Mx	000913	1.5
67	MP1A	X	1.826	3.5
68	MP1A	Z	0	3.5
69	MP1A	Mx	000913	3.5
70	MP1B	X	4.434	1.5
71	MP1B	Z	0	1.5
72	MP1B	Mx	.001	1.5
73	MP1B	X	4.434	3.5
74	MP1B	Z	0	3.5
75	MP1B	Mx	.001	3.5
76	MP1C	X	4.434	1.5
77	MP1C	Z	0	1.5
78	MP1C	Mx	.001	1.5
79	MP1C	X	4.434	3.5
80	MP1C	Z	0	3.5
81	MP1C	Mx	.001	3.5
82	OVP	X	8.381	3.5
83	OVP	Z	0.301	
84.	OVP	Mx	0	THE THE
85	MP2A	X	.788	4.5
86	MP2A	Z	0	
87	MP2A	Mx	.000394	4.5 4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP2A	X	5.176	.3
2	MP2A	Z	2.988	.3
3	MP2A	Mx	000845	.3
4	MP2A	X	5.176	4.7
5	MP2A	Z	2.988	4.7
6	MP2A	Mx	000845	4.7
7	MP2B	X	8.963	.3
8	MP2B	Z	5.175	.3
9	MP2B	Mx	006	.3
10	MP2B	X	8.963	4.7
11	MP2B	Z	5.175	4.7
12	MP2B	Mx	006	4.7
13	MP2C	X	5.176	.3
14	MP2C	Z	2.988	.3
15	MP2C	Mx	.004	.3
16	MP2C	X	5.176	4.7
17	MP2C	Z	2.988	4.7
18	MP2C	Mx	.004	4.7
19	MP2A	X	5.176	.3
20	MP2A	Z	2.988	.3
21	MP2A	Mx	004	.3
22	MP2A	X	5.176	4.7
23	MP2A	Z	2.988	4.7
24	MP2A	Mx	004	4.7
25	MP2B	X	8.963	.3
26	MP2B	Z	5.175	.3
27	MP2B	Mx	.006	.3
28	MP2B	X	8.963	4.7
29	MP2B	Z	5.175	4.7

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

	Member Label	Direction	Magnitude(lb,k-ft)	Location[ft,%]
30	MP2B	Mx	.006 5.176	.3
31	MP2C	X	2.988	.3
32	MP2C	Z	.000845	.3
33	MP2C	Mx		4.7
34	MP2C	Track X	5.176	4.7
35	MP2C	Z	2.988	4.7
36	MP2C	Mx	.000845	2
37	MP3A	X	2.592	2
38	MP3A	Z	1.496	2
39	мР3А	Mx	.001	2
40	MP3B	X	2.592	
41	MP3B	Z	1,496	2
42	MP3B	Mx	.001	2
43	MP3C	X	2.592	2
44	MP3C	Z	1.496	2
45	MP3C	Mx	.001	2
46	MP2A	X	2.736	2
47	MP2A	Z	1.579	2
	MP2A	Mx	,002	2
48	MP2B	X	3.632	2
49	MP2B	Z	2.097	2
50	MP2B	Mx	003	2
51	MP2C	X	2.736	2
52		Z	1.579	2
53	MP2C	Mx	000314	2
54	MP2C	X	2.402	2
55	MP2A	Ž	1.387	2
56	MP2A	Mx	.000276	2
57	MP2A	X	2.402	2
58	MP2B	Z	1.387	2
59	MP2B		.000276	2
60	MP2B	Mx	2.402	2
61	MP2C	X	1.387	2
62	MP2C		.000276	2
63	MP2C	Mx	2.334	1.5
64	MP1A	X	1.348	1.5
65	MP1A	Z	001	1.5
66	MP1A	Mx	2.334	3.5
67	MP1A	X	1.348	3.5
68	MP1A	Z		3.5
69	MP1A	Mx	001 4.593	1.5
70	MP1B	X		1.5
71	MP1B	Z	2.652	1.5
72	MP1B	Mx	0	3.5
73	MP1B	X	4.593	3.5
74	MP1B	Z	2.652	3.5
75	MP1B	Mx	0	1.5
76	MP1C	X	2.334	
77	MP1C	Z	1.348	1.5
78	MP1C	Mx	.001	1.5
79	MP1C	X	2.334	3.5
80	MP1C	Z	1.348	3.5
81	MP1C	Mx	.001	3.5
	OVP	X	7.822	
82	OVP	Z	4.516	1
83	OVP	Mx	0	1
84	MP2A	X	1.074	4.5
85	MP2A MP2A	Ž	.62	4.5
86	MP2A MP2A	Mx	.000537	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1 2	MP2A	X	4.446	.3
3	MP2A		7.701	,3
4	MP2A	Mx	.002	.3
5	MP2A	X	4.446	4.7
	MP2A	Z	7.701	4.7
6	MP2A	Mx	.002	4.7
7	MP2B	X	4.446	.3
8	MP2B	Z	7.701	.3
9	MP2B	Mx	007	.3
10	MP2B	X	4.446	4.7
11	MP2B	Z	7.701	4.7
12	MP2B	Mx	007	4.7
13	MP2C	X	2.259	.3
14	MP2C	Z	3.913	.3
15	MP2C	Mx	.002	.3
16	MP2C	X	2.259	4.7
17	MP2C	Z	3.913	4.7
18	MP2C	Mx	.002	4.7
19	MP2A	X	4.446	.3
20	MP2A	Z	7.701	.3 1 (1)
21	MP2A	Mx	007	.3
22	MP2A	X	4.446	4.7
23	MP2A	Z	7.701	4.7
24	MP2A	Mx	007	4.7
25	MP2B	X	4.446	.3
26	MP2B	Z	7.701	.3
27	MP2B	Mx	.002	.3
28	MP2B	X	4.446	4.7
29	MP2B	Z	7.701	4.7
30	MP2B	Mx	.002	4.7
31	MP2C	X	2.259	
32	MP2C	Z	3.913	.3
33	MP2C	Mx	.002	.3
34	MP2C	X	2.259	.3
35	MP2C	Z		4.7
36	MP2C	Mx	3.913	4.7
37	MP3A	X	.002	4.7
38	MP3A	Z	2.267	2
39	MP3A	Mx	3.926	2
40	MP3B	X	.001	2
11	MP3B	Z	2.267	2
12	MP3B		3.926	2
13	MP3C	Mx	.001	2
14	MP3C	X	2.267	2
15	MP3C	Z	3.926	2
16		Mx	.001	2
7	MP2A	X	1.924	2
18	MP2A	Z	3.333	2
	MP2A	Mx	.003	2
19	MP2B	X	1.924	2
0	MP2B	Z	3.333	2
51	MP2B	Mx	001	2
2	MP2C	X	1.407	2
3	MP2C	Z	2.437	2
4	MP2C	Mx	001	2
5	MP2A	X	1.86	2
6	MP2A	Z	3.222	2
7	MP2A	Mx	001	2
8	MP2B	X	1.86	2
59	MP2B	Z	3.222	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	Member Label MP2B	Mx	001	2
60 61	MP2C	X	1.86	2
	MP2C	Z	3.222	2
62 63	MP2C	Mx	001	2
64	MP1A	X	2.217	1.5
65	MP1A	Z	3.84	1.5
66	MP1A	Mx	001	1.5
67	MP1A	X	2.217	3.5
68	MP1A	Z	3.84	3.5
69	MP1A	Mx	001	3.5
70	MP1B	X	2.217	1.5
71	MP1B	Z	3.84	1.5
72	MP1B	Mx	001	1.5
	MP1B	X	2.217	3.5
73	MP1B	Z	3.84	3.5
74	MP1B	Mx	001	3.5
75	MP1C	X	.913	1.5
76	MP1C	Z	1.582	1.5
77	MP1C	Mx	.000913	1.5
78	MP1C	X	.913	3.5
79	MP1C	Ž	1.582	3.5
80	MP1C	Mx	.000913	3.5
81	OVP	X	5.167	
82	OVP	Z	8.95	1
83	OVP	Mx	0	
84	MP2A	X	1.073	4.5
85		Z	1.858	4.5
86 87	MP2A MP2A	Mx	.000536	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.3
2	MP2A	Z	10.35	.3
	MP2A	Mx	.006	.3
3	MP2A	X	0	4.7
4	MP2A	Z	10.35	4.7
5	MP2A	Mx	.006	4.7
6		X	0	.3
7	MP2B MP2B	Z	5.976	.3
8		Mx	004	.3
9	MP2B	X	0	4.7
10	MP2B	Z	5.976	4.7
11	MP2B	Mx	004	4.7
12	MP2B	X	0	.3
13	MP2C	Z	5.976	.3
14	MP2C	Mx	.000845	.3
15	MP2C	X	0	4.7
16	MP2C	Z	5.976	4.7
17	MP2C	Mx	.000845	4.7
18	MP2C		0	.3
19	MP2A	X	10.35	.3
20	MP2A		006	.3
21	MP2A	Mx	0	4.7
22	MP2A	X	10.35	4.7
23	MP2A	Z		4.7
24	MP2A	Mx	006 0	.3
25	MP2B	X		.3
26	MP2B	Z	5.976	.3
27	MP2B	Mx	000845	

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

00	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	0	4.7
29	MP2B	Z	5.976	4.7
30	MP2B	Mx	000845	4.7
31	MP2C	X	0	.3
32	MP2C	Z	5.976	.3
33	MP2C	Mx	.004	.3
34	MP2C	X	0	4.7
35	MP2C	Z	5.976	4.7
36	MP2C	Mx	.004	4.7
37	MP3A	X	0	2
38	MP3A	Z	5.303	2
39	MP3A	Mx	0	2
40	MP3B	X	0	2
41	MP3B	Z	5.303	2
42	MP3B	Mx	0	2
43	MP3C	X	0	2
44	MP3C	Z	5.303	2
45	MP3C	Mx	0	2
46	MP2A	X	0	2
47	MP2A	Z	4.194	2
18	MP2A	Mx	.003	2
19	MP2B	X	0	2
50	MP2B	Z	3.159	2
51	MP2B	Mx		2
52	MP2C	X	.000315	2
53	MP2C	Z	0	2
54	MP2C		3.159	2
55		Mx	002	2
56	MP2A	X	0	2
57	MP2A	Z	4.194	2
	MP2A	Mx	003	2
58	MP2B	X	0	2
59	MP2B	Z	4.194	2
30	MP2B	Mx	003	2
61	MP2C	X	0	2
52	MP2C	Z	4.194	2
33	MP2C	Mx	003	2
64	MP1A	X	0	1.5
35	MP1A	Z	5.303	1.5
36	MP1A	Mx	0	1.5
67	MP1A	X	0	3.5
88	MP1A	Z	5.303	3.5
89	MP1A	Mx	0	3.5
o l	MP1B	X	0	1.5
1	MP1B	Z	2.696	1.5
2	MP1B	Mx	001	1.5
3	MP1B	X	0	3.5
4	MP1B	Ž	2.696	
5	MP1B	Mx		3.5
6	MP1C	X	001	3.5
7	MP1C	Z	0	1.5
8	MP1C		2.696	1.5
9		Mx	.001	1.5
0	MP1C	X	0	3.5
	MP1C	Z	2.696	3.5
1	MP1C	Mx	.001	3.5
2	OVP	X	0	
3	OVP	Z	10.985	1
4	OVP	Mx	0	1
5	MP2A	X	0	4.5
6	MP2A	Z	2.598	4.5

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

Michigon 1 c		Direction	Magnitudellb.k-ft]	Location[ft,%]
	Member Label	Direction		1.5
07	MP2A	l Mx	U	4.5

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

	Point Loads (BLC 34 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP2A	X	-4.446	.3
2	MP2A	Z	7.701	.3
3	MP2A	Mx	.007	.3
4	MP2A	X	-4.446	4.7
	MP2A	Z	7.701	4.7
5	MP2A	Mx	.007	4.7
6	MP2B	X	-2.259	.3
7	MP2B	Z	3.913	.3
9	MP2B	Mx	002	.3
	MP2B	X	-2.259	4.7
10	MP2B	Z	3.913	4.7
11	MP2B	Mx	002	4.7
12	MP2C	X	-4.446	.3
13	MP2C	Z	7.701	.3
14	MP2C	Mx	002	.3
15	MP2C	X	-4.446	4.7
16	MP2C	Z	7.701	4.7
17	MP2C	Mx	002	4.7
18	MP2A	X	-4.446	.3
19	MP2A	Z	7.701	.3
20	MP2A	Mx	002	.3
21	MP2A	X	-4.446	4.7
22	MP2A MP2A	Z	7.701	4.7
23	MP2A	Mx	002	4.7
24		X	-2.259	.3
25	MP2B MP2B	Z	3.913	.3
26		Mx	002	.3
27	MP2B	X	-2.259	4.7
28	MP2B	Z	3.913	4.7
29	MP2B	Mx	002	4.7
30	MP2B	X	-4.446	.3
31	MP2C	Z	7.701	.3
32	MP2C	Mx	.007	.3
33	MP2C	X	-4.446	4.7
34	MP2C	Z	7.701	4.7
35	MP2C	Mx	.007	4.7
36	MP2C	X	-2.267	2
37	MP3A	Z	3.926	2
38	MP3A	Mx	001	2
39	MP3A	X	-2.267	2
40	MP3B	Z	3.926	2
41	MP3B MP3B	Mx	001	2
42		X	-2.267	2
43	MP3C	Z	3.926	2
44	MP3C	Mx	001	2
45	MP3C	X	-1.924	2
46	MP2A	Z	3.333	2
47	MP2A	Mx	.001	2
48	MP2A	X	-1.407	2
49	MP2B	Z	2.437	2
50	MP2B	Mx	.001	2
51	MP2B	X	-1.924	2
52	MP2C	Z	3.333	2
53	MP2C MP2C	Mx	003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP2A	X	-1.86	2
56	MP2A	Z	3.222	2
57	MP2A	Mx	003	2
58	MP2B	X	-1.86	2
59	MP2B	Z	3.222	2
60	MP2B	Mx	003	2
61	MP2C	X	-1.86	2
62	MP2C	Z	3.222	2
63	MP2C	Mx	003	2
64	MP1A	X	-2.217	1.5
65	MP1A	Z	3.84	1.5
66	MP1A	Mx	.001	1.5
67	MP1A	X	-2.217	3.5
68	MP1A	Z	3.84	3.5
69	MP1A	Mx	.001	3.5
70	MP1B	X	913	1.5
71	MP1B	Z	1.582	1.5
72	MP1B	Mx	000913	1.5
73	MP1B	X	913	3.5
74	MP1B	Z	1.582	3.5
75	MP1B	Mx	000913	3.5
76	MP1C	X	-2,217	1.5
77	MP1C	Z	3.84	1.5
78	MP1C	Mx	.001	1.5
79	MP1C	X	-2.217	3.5
80	MP1C	Z	3.84	3.5
81	MP1C	Mx	.001	3.5
82	OVP	X	-5.167	3.3
83	OVP	Z	8.95	
84	OVP	Mx	0	DE 120
85	MP2A	X	-1.073	4.5
86	MP2A	Z	1.858	4.5
87	MP2A	Mx	000536	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.176	.3
2	MP2A	Z	2.988	.3
3	MP2A	Mx	.004	.3
4	MP2A	X	-5,176	4.7
5	MP2A	Z	2.988	4.7
6	MP2A	Mx	.004	4.7
7	MP2B	X	-5.176	.3
8	MP2B	Z	2.988	.3
9	MP2B	Mx	000845	.3
10	MP2B	X	-5.176	4.7
11	MP2B	Z	2.988	4.7
12	MP2B	Mx	000845	4.7
13	MP2C	X	-8.963	.3
14	MP2C	Ž	5.175	.3
15	MP2C	Mx	006	.3
16	MP2C	X	-8.963	4.7
17	MP2C	Z	5.175	4.7
18	MP2C	Mx	006	4.7
19	MP2A	X	-5.176	.3
20	MP2A	Z	2.988	.3
21	MP2A	Mx	.000845	.3
22	MP2A	X	-5.176	4.7

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

	Member Label	Direction	Deg)) (Continued) Magnitude[lb.k-ft]	Location[ft,%]
23	MP2A	Z	2.988	4.7
24	MP2A	Mx	.000845	4.7
.5	MP2B	X	-5.176	.3
6	MP2B	Z	2.988	.3
27	MP2B	Mx	004	4.7
28	MP2B	X	-5.176	4.7
29	MP2B	Z	2.988	
30	MP2B	Mx	004	4.7
31	MP2C	X	-8.963	.3
32	MP2C	Z	5.175	.3
33	MP2C	Mx	.006	.3
34	MP2C	X	-8.963	4.7
35	MP2C	Z	5.175	4.7
36	MP2C	Mx	.006	4.7
37	MP3A	X	-2.592	2
38	MP3A	Z	1.496	2
39	MP3A	Mx	-,001	2
40	MP3B	X	-2.592	2
41	MP3B	Z	1.496	2
	MP3B	Mx	001	2
42	MP3C	X	-2.592	2
43	MP3C	Z	1.496	2
44	MP3C	Mx	001	2
45	MP2A	X	-2.736	2
46		Z	1.579	2
47	MP2A	Mx	000315	2
48	MP2A	X	-2.736	2
49	MP2B	Ž	1.579	2
50	MP2B	Mx	.002	2
51	MP2B	X	-3.632	2
52	MP2C	Z	2.097	2
53	MP2C	Mx	003	2
54	MP2C		-2.402	2
55	MP2A	X	1.387	2
56	MP2A		002	2
57	MP2A	Mx	-2.402	2
58	MP2B	X	1.387	2
59	MP2B	Z	002	2
60	MP2B	Mx	-2.402	2
61	MP2C	X	1.387	2
62	MP2C	Z		2
63	MP2C	Mx	002	1.5
64	MP1A	X	-2.334	1.5
65	MP1A	Z	1.348	1.5
66	MP1A	Mx	.001	3.5
67	MP1A	X	-2.334	3.5
68	MP1A	Z	1.348	3.5
69	MP1A	Mx	.001	
70	MP1B	X	-2.334	1.5
71	MP1B	Z	1.348	1.5
72	MP1B	Mx	001	1.5
73	MP1B	X	-2.334	3.5
74	MP1B	Z	1.348	3.5
75	MP1B	Mx	001	3.5
	MP1C	X	-4.593	1.5
76	MP1C	Z	2.652	1.5
77	MP1C	Mx	0	1.5
78	MP1C	X	-4.593	3.5
79	MP1C	Z	2.652	3.5
80	MP1C	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	OVP	X	-7.822	1
83	OVP	Z	4.516	1
84	OVP	Mx	0	
84 85	MP2A	X	-1.074	4.5
86	MP2A	7	.62	4.5
87	MP2A	Mx	000537	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.519	.3
2	MP2A	Z	0	.3
3	MP2A	Mx	.002	.3
4	MP2A	X	-4.519	4.7
5	MP2A	Z	0	4.7
6	MP2A	Mx	.002	4.7
7	MP2B	X	-8.892	.3
8	MP2B	Z	0	.3
9	MP2B	Mx	.002	.3
10	MP2B	X	-8.892	4.7
11	MP2B	Z	0	4.7
12	MP2B	Mx	.002	4.7
13	MP2C	X	-8.892	.3
14	MP2C	Z	0	.3
15	MP2C	Mx	007	.3
16	MP2C	X	-8.892	4.7
17	MP2C	Z	0	4.7
18	MP2C	Mx	007	4.7
19	MP2A	X	-4.519	.3
20	MP2A	Z	0	.3
21	MP2A	Mx	.002	.3
22	MP2A	X	-4.519	4.7
23	MP2A	Z	0	4.7
24	MP2A	Mx	.002	4.7
25	MP2B	X	-8.892	.3
26	MP2B	Z	0	.3
27	MP2B	Mx	007	.3
28	MP2B	X	-8.892	4.7
29	MP2B	Z	0	4.7
30	MP2B	Mx	007	4.7
31	MP2C	X	-8.892	.3
32	MP2C	Z	0	.3
33	MP2C	Mx	.002	.3
34	MP2C	X	-8.892	4.7
35	MP2C	Z	0	4.7
36	MP2C	Mx	.002	4.7
37	MP3A	X	-2.222	2
38	MP3A	Z	0	2
39	MP3A	Mx	001	2
40	MP3B	X	-2.222	2
41	MP3B	Z	0	2
42	MP3B	Mx	001	2
43	MP3C	X	-2.222	2
14	MP3C	Z	0	2
45	MP3C	Mx	001	2
16	MP2A	X	-2.814	2
17	MP2A	Z	0	2
18	MP2A	Mx	001	2
19	MP2B	X	-3.849	2

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

	Point Loads (BLC 36 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP2B	Z	0	2
51	MP2B	Mx	.003	2
52	MP2C	X	-3.849	2
53	MP2C	Z	0	2
54	MP2C	Mx	001	2
55	MP2A	X	-2.3	2
56	MP2A	Z	0	2
57	MP2A	Mx	001	2
58	MP2B	X	-2.3	2
59	MP2B	Z	0	2
60	MP2B	Mx	001	2
61	MP2C	X	-2.3	2
62	MP2C	Z	0	2
63	MP2C	Mx	001	2
64	MP1A	X	-1.826	1.5
65	MP1A	Z	0	1.5
66	MP1A	Mx	.000913	1.5
67	MP1A	X	-1.826	3.5
	MP1A	Z	0	3.5
68 69	MP1A MP1A	Mx	.000913	3.5
70	MP1B	X	-4.434	1.5
	MP1B	Z	0	1.5
71 72	MP1B MP1B	Mx	001	1.5
	MP1B MP1B	X	-4.434	3.5
73	MP1B	Z	0	3.5
74	MP1B MP1B	Mx	001	3.5
75	MP1C	X	-4.434	1.5
76	MP1C	Z	0	1.5
77 78	MP1C	Mx	001	1.5
79	MP1C MP1C	X	-4.434	3.5
	MP1C	Z	0	3.5
80	MP1C MP1C	Mx	001	3.5
81	OVP	X	-8.381	1 - 1
82	OVP	Z	0	1 1
83	OVP	Mx	0	1
84	MP2A	X	788	4.5
85	MP2A	Z	0	4.5
86	MP2A	Mx	000394	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-5.176	.3
2	MP2A	Z	-2.988	.3
3	MP2A	Mx	.000845	.3
4	MP2A	X	-5.176	4.7
5	MP2A	Z	-2.988	4.7
6	MP2A	Mx	.000845	4.7
7	MP2B	X	-8.963	.3
8	MP2B	Z	-5.175	.3
9	MP2B	Mx	.006	.3
10	MP2B	X	-8.963	4.7
11	MP2B	Z	-5.175	4.7
12	MP2B	Mx	.006	4.7
13	MP2C	X	-5.176	.3
14	MP2C	Z	-2.988	.3
15	MP2C	Mx	004	3
16	MP2C	X	-5.176	4.7
17	MP2C	Z	-2.988	4.7

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

40 T	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	004	4.7
19	MP2A	X	-5.176	.3
21	MP2A	Z	-2.988	.3
22	MP2A	Mx	.004	.3
23	MP2A	X	-5.176	4.7
24	MP2A	Z	-2.988	4.7
25	MP2A	Mx	.004	4.7
	MP2B	X	-8.963	.3
26	MP2B	Z	-5.175	.3
27	MP2B	Mx	006	.3
28	MP2B	X	-8.963	4.7
29	MP2B	Z	-5.175	4.7
30	MP2B	Mx	006	4.7
31	MP2C	X	-5.176	.3
32	MP2C	Z	-2.988	.3
33	MP2C	Mx	000845	.3
34	MP2C	X	-5.176	4.7
35	MP2C	Z	-2.988	4.7
36	MP2C	Mx	000845	4.7
37	MP3A	X	-2.592	2
38	MP3A	Z	-1.496	2
39	MP3A	Mx	001	2
40	MP3B	X	-2.592	2
41	MP3B	Z	-1.496	2
42	MP3B	Mx	001	2
43	MP3C	X	-2.592	2
44	MP3C	Z	-1.496	2
45	MP3C	Mx	001	2
46	MP2A	X	-2.736	2
47	MP2A	Z	-1.579	2
48	MP2A	Mx	002	2
49	MP2B	X	-3.632	2
50	MP2B	Z	-2.097	2
51	MP2B	Mx	.003	2
52	MP2C	X	-2.736	2
53	MP2C	Z	-1.579	2
54	MP2C	Mx	.000314	2
55	MP2A	X	-2.402	2
56	MP2A	Z	-1.387	2
57	MP2A	Mx	000276	2
58	MP2B	X	-2.402	2
59	MP2B	Z	-1.387	2
60	MP2B	Mx	000276	2
31	MP2C	X	-2.402	2
32	MP2C	Z	-1.387	2
33	MP2C	Mx	000276	2
64	MP1A	X	-2.334	
55	MP1A	Z	-2.33 4 -1.348	1.5 1.5
66	MP1A	Mx	.001	
57	MP1A	X	-2.334	1.5
88	MP1A	Z	-2.334	3.5
9	MP1A	Mx		3.5
0	MP1B	X	.001	3.5
1	MP1B	Z	-4.593 2.650	1.5
2	MP1B		-2.652	1.5
3	MP1B	Mx	0	1.5
4	MP1B	X	-4.593	3.5
5	MP1B		-2.652	3.5
6	MP1C	Mx	0	3.5
<u> </u>	IVIFIO	X	-2.334	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1C	Z	-1.348	1.5
78	MP1C	Mx	001	1.5
79	MP1C	X	-2.334	3.5
	MP1C	7	-1.348	3.5
80	MP1C	Mx	001	3.5
82	OVP	X	-7.822	1
83	OVP	7	-4.516	1
	OVP	Mx	0	1
84	MP2A	X	-1.074	4.5
85	MP2A	7	62	4.5
86 87	MP2A	Mx	000537	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.446	.3
2	MP2A	Z	-7.701	.3
3	MP2A	Mx	002	
4	MP2A	X	-4.446	4.7
5	MP2A	Z	-7.701	4.7
6	MP2A	Mx	002	4.7
7	MP2B	X	-4.446	.3
8	MP2B	Z	-7.701	.3
9	MP2B	Mx	.007	.3
10	MP2B	X	-4.446	4.7
11	MP2B	Z	-7.701	4.7
12	MP2B	Mx	.007	4.7
13	MP2C	X	-2.259	.3
14	MP2C	Z	-3.913	.3
15	MP2C	Mx	002	.3
16	MP2C	X	-2.259	4.7
17	MP2C	Z	-3.913	4.7
18	MP2C	Mx	002	4.7
19	MP2A	X	-4.446	.3
20	MP2A	Z	-7.701	.3
21	MP2A	Mx	.007	.3
22	MP2A	X	-4.446	4.7
23	MP2A	Z	-7.701	4.7
24	MP2A	Mx	.007	4.7
25	MP2B	X	-4.446	.3
26	MP2B	Z	-7.701	.3
27	MP2B	Mx	002	.3
28	MP2B	X	-4.446	4.7
29	MP2B	Z	-7.701	4.7
30	MP2B	Mx	002	4.7
31	MP2C	X	-2.259	.3
32	MP2C	Z	-3.913	.3
33	MP2C	Mx	002	.3
34	MP2C	X	-2.259	4,7
35	MP2C	Z	-3.913	4.7
36	MP2C	Mx	002	4.7
37	MP3A	X	-2.267	2
38	MP3A	Z	-3.926	2
39	MP3A	Mx	001	2
40	MP3B	X	-2.267	2
	MP3B	Z	-3.926	2
41 42	MP3B	Mx	001	2
	MP3C	X	-2.267	2
43	MP3C	Z	-3.926	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
45	MP3C	Mx	001	2
46	MP2A	X	-1.924	2
47	MP2A	Z	-3.333	2
48	MP2A	Mx	003	2
49	MP2B	X	-1.924	2
50	MP2B	Z	-3.333	2
51	MP2B	Mx	.001	2
52	MP2C	X	-1.407	2
53	MP2C	Z	-2.437	2
54	MP2C	Mx	.001	2
55	MP2A	X	-1.86	2
56	MP2A	Z	-3.222	2
57	MP2A	Mx	.001	2
58	MP2B	X	-1.86	2
59	MP2B	Z	-3.222	2
60	MP2B	Mx	.001	2
61	MP2C	X	-1.86	2
62	MP2C	Z	-3.222	2
63	MP2C	Mx	.001	2
64	MP1A	X	-2.217	1.5
65	MP1A	Z	-3.84	1.5
66	MP1A	Mx	.001	1.5
67	MP1A	X	-2.217	3.5
68	MP1A	Z	-3.84	3.5
69	MP1A	Mx	.001	3.5
70	MP1B	X	-2.217	1.5
71	MP1B	Z	-3.84	1.5
72	MP1B	Mx	.001	1.5
73	MP1B	X	-2.217	3.5
74	MP1B	Z	-3.84	3.5
75	MP1B	Mx	.001	3.5
76	MP1C	X	913	1.5
77	MP1C	Z	-1.582	1.5
78	MP1C	Mx	000913	1.5
79	MP1C	X	913	3.5
30	MP1C	Z	-1.582	3.5
31	MP1C	Mx	000913	3.5
32	OVP	X	-5.167	3.5
33	OVP	Z	-8.95	1
34	OVP	Mx	0	
35	MP2A	X	-1.073	4.5
36	MP2A	Z	-1.858	4.5
37	MP2A	Mx	000536	4.5

Member Point Loads (BLC 77 : Lm1)

 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
M1	Υ	-500	%50

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	M1	Y	-500	%2

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude(lb.k-ft)	Locationfft %1
1	M1	Y	-250	%50
				7000

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Member Point Loads (BLC 80 : Lv2)

	77 V V V V	Direction	Magnitude[lb,k-ft]	Location[ft.%]	
	Member Label	Direction	050	%50	
4	M1	Y 1	-250	/650	

Member Point Loads (BLC 81 : Antenna Ev)

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1 MP2A	Y	-1.38	.3
2 MP2A	My	00069	.3
3 MP2A	Mz	.000805	4.7
4 MP2A	Y	-1.38	4.7
5 MP2A	My	00069	
6 MP2A	Mz	.000805	4.7
7 MP2B	Y	-1.38	.3
8 MP2B	My	000352	.3
9 MP2B	Mz	001	.3
10 MP2B	Υ	-1.38	4.7
11 MP2B	My	000352	4.7
12 MP2B	Mz	001	
13 MP2C	Υ	-1.38	.3
14 MP2C	My	.001	.3
15 MP2C	Mz	.000195	
16 MP2C	Υ	-1.38	4.7
17 MP2C	My	.001	4.7
18 MP2C	Mz	.000195	4.7
19 MP2A	Y	-1.38	.3
20 MP2A	My	00069	.3
21 MP2A	Mz	000805	4.7
22 MP2A	Y	-1.38	4.7
23 MP2A	My	00069	4.7
24 MP2A	Mz	000805	.3
25 MP2B	Y	-1.38	.3
26 MP2B	My	.001	.3
27 MP2B	Mz	000195	4.7
28 MP2B	Y	-1.38	4.7
29 MP2B	My	.001	4.7
30 MP2B	Mz	000195	.3
31 MP2C	Y	-1.38	.3
32 MP2C	My	000352	.3
33 MP2C	Mz	.001	4.7
34 MP2C	Y	-1.38	4.7
35 MP2C	My	000352	4.7
36 MP2C	Mz	.001	2
37 MP3A	Y	-2.077	2
38 MP3A	My	.001	2
39 MP3A	Mz	0	2
40 MP3B	Y	-2.077	2
41 MP3B	My	.001	2
42 MP3B	Mz	0	2
43 MP3C	Y	-2.077	2
44 MP3C	My	.001	2
45 MP3C	Mz	0	2
46 MP2A	Y	-3.313	2
47 MP2A	My	.002	2 2
48 MP2A	Mz	.002	2
49 MP2B	Y	-3.313	2
50 MP2B	My	003	2
51 MP2B	Mz	.00033	2 2
52 MP2C	Ý	-3.313	
53 MP2C	My	.001	2
54 MP2C	Mz	003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP2A	Y	-2.76	2
56	MP2A	My	.001	2
57	MP2A	Mz	002	2
58	MP2B	Y	-2.76	2
59	MP2B	My	.001	2
60	MP2B	Mz	002	2
61	MP2C	Y	-2.76	2
62	MP2C	My	.001	2
63	MP2C	Mz	002	2
64	MP1A	Y	-1.709	1.5
65	MP1A	My	000855	1.5
66	MP1A	Mz	0	1.5
67	MP1A	Y	-1.709	3.5
68	MP1A	My	000855	3.5
39	MP1A	Mz	0	3.5
70	MP1B	Y	-1.709	1.5
71	MP1B	My	.000427	1.5
72	MP1B	Mz	00074	1.5
73	MP1B	Y	-1.709	3.5
74	MP1B	My	.000427	3.5
75	MP1B	Mz	00074	3.5
76	MP1C	Y	-1.709	1.5
77	MP1C	My	.000427	1.5
78	MP1C	Mz	.000427	1.5
79	MP1C	Y	-1.709	3.5
30	MP1C	My	.000427	3.5
31	MP1C	Mz	.000427	3.5
32	OVP	Y	-1.256	3.5
33	OVP	My	-1,256	1
34	OVP	Mz	0	
35	MP2A	Y	691	
36	MP2A	My	.000345	4.5
37	MP2A	Mz	0	4.5 4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-3.451	.3
2	MP2A	Mx	002	.3
3	MP2A	Z	-3.451	4.7
4	MP2A	Mx	002	4.7
5	MP2B	Z	-3.451	.3
6	MP2B	Mx	.003	.3
7	MP2B	Z	-3.451	4.7
8	MP2B	Mx	.003	4.7
9	MP2C	Z	-3.451	.3
10	MP2C	Mx	000488	.3
11	MP2C	Z	-3.451	4.7
12	MP2C	Mx	000488	4.7
13	MP2A	Z	-3.451	.3
14	MP2A	Mx	.002	.3
15	MP2A	Z	-3.451	4.7
16	MP2A	Mx	.002	4.7
17	MP2B	Z	-3.451	.3
18	MP2B	Mx	.000488	.3
19	MP2B	Z	-3.451	4.7
20	MP2B	Mx	.000488	4.7
21	MP2C	Z	-3.451	.3
22	MP2C	Mx	003	.3

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

		Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	Member Label MP2C	Z	-3.451	4.7
	MP2C	Mx	003	4.7
24	MP3A	Z	-5.191	2
25	MP3A	Mx	0	2
26	MP3B	Z	-5.191	2
27	MP3B	Mx	0	2
28		Z	-5.191	2
29	MP3C	Mx	0	2
30	MP3C	Z	-8.282	2
31	MP2A	Mx Mx	006	2 10
32	MP2A	Z	-8,282	2
33	MP2B	Mx	000826	2
34	MP2B	Z	-8.282	2
35	MP2C	Mx	.006	2
36	MP2C	Z	-6.899	2
37	MP2A	Mx	.005	2
38	MP2A	Z	-6.899	2
39	MP2B	Mx	.005	2
40	MP2B	Z	-6.899	2
41	MP2C	Mx	.005	2
42	MP2C	Z	-4.274	1.5
43	MP1A		0	1.5
44	MP1A	Mx	-4.274	3.5
45	MP1A	Z	0	3.5
46	MP1A	Mx	-4.274	1.5
47	MP1B	Z	.002	1.5
48	MP1B	Mx	-4.274	3.5
49	MP1B	Z	.002	3.5
50	MP1B	Mx	-4.274	1.5
51	MP1C	Z	-4.274	1.5
52	MP1C	Mx		3.5
53	MP1C	Z	-4.274	3.5
54	MP1C	Mx	002	1
55	OVP	Z	-3.14	White 1 12
56	OVP	Mx	0	4.5
57	MP2A	Z	-1.727	4.5
58	MP2A	Mx	0	4.0

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

Mo	ember Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.451	.3
2	MP2A	Mx	002	.3
3	MP2A	X	3.451	4.7
4	MP2A	Mx	002	4.7
5	MP2B	X	3.451	.3
6	MP2B	Mx	000881	.3
7	MP2B	X	3.451	4.7
8	MP2B	Mx	000881	4.7
9	MP2C	X	3.451	43
10	MP2C	Mx	.003	.3
	MP2C	X	3.451	4.7
11	MP2C	Mx	.003	4.7
12	MP2A	X	3.451	3
13	MP2A	Mx	002	.3
14	MP2A	X	3.451	4.7
15	MP2A	Mx	-,002	4.7
16	MP2B	X	3.451	.3
17	MP2B	Mx	.003	.3
18	MP2B	X	3.451	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2B	Mx	.003	4.7
21	MP2C	X	3.451	.3
22	MP2C	Mx	000881	.3
23	MP2C	X	3.451	4.7
24	MP2C	Mx	000881	4.7
25	MP3A	X	5.191	2
26	MP3A	Mx	.003	2
27	MP3B	X	5.191	2
28	MP3B	Mx	.003	2
29	MP3C	X	5.191	2
30	MP3C	Mx	.003	2
31	MP2A	X	8.282	2
32	MP2A	Mx	.004	2
33	MP2B	X	8.282	2
34	MP2B	Mx	007	2
35	MP2C	X	8.282	2
36	MP2C	Mx	.003	2
37	MP2A	X	6.899	2
38	MP2A	Mx	.003	2
39	MP2B	X	6.899	2
40	MP2B	Mx	.003	2
41	MP2C	X	6.899	2
42	MP2C	Mx	.003	2
43	MP1A	X	4.274	1.5
44	MP1A	Mx	002	1.5
45	MP1A	X	4.274	3.5
46	MP1A	Mx	002	3.5
47	MP1B	X	4.274	1.5
48	MP1B	Mx	.001	1.5
49	MP1B	X	4.274	3.5
50	MP1B	Mx	.001	3.5
51	MP1C	X	4.274	1.5
52	MP1C	Mx	.001	1.5
53	MP1C	X	4.274	3.5
54	MP1C	Mx	.001	3.5
55	OVP	X	3.14	3.5
56	OVP	Mx	0	1
57	MP2A	X	1.727	4.5
58	MP2A	Mx	.000864	4.5

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	Start Location(ft,%)	End Location[ft,%]
1	M1	Y	-6.753	-6.753	0	%100
2	MP3A	Y	-5.13	-5.13	0	%100
3	MP4A	Y	-5.13	-5.13	0	%100
4	MP2A	Y	-5.851	-5.851	0	%100
5	MP1A	Y	-5.13	-5.13	0	%100
6	M109A	Y	-6,753	-6.753	0	%100
7	MP4C	Y	-5.13	-5.13	0	%100
8	M118A	Y	-6.753	-6.753	0	%100
9	MP4B	Y	-5.13	-5.13	0	%100
10	M127A	Y	-10.377	-10.377	0	%100
11	M128A	Y	-10.377	-10.377	0	%100
12	M130A	Y	-10.39	-10.39	0	%100
13	M132A	Y	-10.377	-10.377	0	%100
14	M133A	Y	-10.377	-10.377	0	%100
15	M135A	Y	-10.39	-10.39	0	%100 %100

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

	Member Label	Direction		End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,% %100
16	M137A	Υ	-10.377	-10.377	0	%100 %100
17	M138A	Y	-10.377	-10.377	0	
18	M140A	Y	-10.39	-10.39	0	%100
19	M142A	Υ	-10.377	-10.377	0	%100
20	M143A	Υ	-10.377	-10.377	0	%100
21	M145A	Y	-10.39	-10.39	0	%100
22	M147A	Y	-10.377	-10.377	0	%100
23	M148A	Y	-10.377	-10.377	0	%100
24	M150A	Y	-10.39	-10.39	0	%100
25	M152A	Y	-10.377	-10.377	0	%100
26	M153A	Y	-10.377	-10.377	0	%100
27	M155A	Y	-10.39	-10.39	0	%100
28	M157A	Y	-10.39	-10.39	0	%100
	M158A	Y	-10.39	-10.39	0	%100
29 30	M159A	Y	-10.39	-10.39	0	%100
	M160A	Ý	-9.865	-9.865	0	%100
31	M161A	Y	-9.865	-9.865	0	%100
32	M162A	Y	-9.865	-9.865	0	%100
33	M163A	Y	-9.865	-9.865	0	%100
34	M164A	Y	-9.865	-9.865	0	%100
35		Ÿ	-9.865	-9.865	0	%100
36	M165A	Y	-5.784	-5.784	0	%100
37	M171A	Y	-5.784	-5.784	0	%100
38	M173A	Y	-5.784	-5.784	0	%100
39	M177A	Y	-5.784	-5.784	0	%100
40	M179A	Y	-5.784	-5.784	0	%100
41	M183A	Y	-5.784	-5.784	0	%100
42	M185A	Y	-9.865	-9.865	0	%100
43	M189A	Y	-9.865	-9.865	0	%100
44	M190A	Y	-9.865	-9.865	0	%100
45	M191A	Y	-5.13	-5,13	0	%100
46	MP3C	Y	-5.851	-5.851	0	%100
47	MP2C	Y	-5.13	-5.13	0	%100
48	MP1C		-5.13	-5.13	0	%100
49	MP3B	Y	-5.851	-5.851	0	%100
50	MP2B	Y	-5.13	-5.13	0	%100
51	MP1B	Y		-5.851	0	%100
52	M104	Y	-5.851	-5.851	0	%100
53	M109	Y	-5.851	-5.851	0	%100
54	M114	Y	-5.851	-7.825	0	%100
55	M115	Y	-7.825		0	%100
56	M116	Y	-7.825	-7.825	0	%100
57	M117	Y	-7.825	-7.825	0	%100 %100
58	OVP	Y	-5.13	-5.13	U	/0100

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

	er Distributou 23	Direction	Start Magnitudelib/ft.	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft.%]
	Member Label	Direction	Otal tillog integer		0	%100
1	M1		44.400	-14.406	0	%100
2	M1	Z	-14.406	-14.400	0	%100
3	MP3A	X	0	. 0	- 0	
4	MP3A	Z	-10.282	-10.282	0	%100
		X	0	0	0	%100
5	MP4A	7	-10.282	-10.282	0	%100
6	MP4A		-10.202	10.202	0	%100
7	MP2A	X	U	10.110		%100
8	MP2A	Z	-12.446	-12.446	0	
9	MP1A	X	.0	0	0	%100
	THE RESIDENCE OF THE PARTY OF T	7	-10.282	-10.282	0	%100
10	MP1A	- Z	10.202	0	0	%100
11	M109A	X	1 222	2 602	0	%100
12	M109A	Z	-3.602	-3.602	- 0	70100

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

13	Member Label MP4C	Direction			Start Location[ft.%]	End Location[ft,%]
14	MP4C	X	0	0	0	%100
15	M118A	Z	-10.282	-10.282	0	%100
16		X	0	0	0	%100
	M118A	Z	-3.602	-3.602	. 0	%100
17	MP4B	X	0	0	0	%100
	MP4B	Z	-10.282	-10.282	0	%100
19	M127A	X	0	0	0	%100
20	M127A	Z	-19.481	-19.481	0	%100
21	M128A	X	0	0	0	%100
22	M128A	Z	-26.456	-26.456	0	%100
23	M130A	X	0	0	0	%100
24	M130A	Z	-27.866	-27.866	0	%100
25	M132A	X	0	0	0	%100
26	M132A	Z	-19.481	-19.481	0	%100
27	M133A	X	0	0	0	%100
28	M133A	Z	-26.456	-26.456	0	%100
29	M135A	X	0	0	0	%100
30	M135A	Z	-27.866	-27.866	0	%100
31	M137A	X	0	0	0	%100
32	M137A	Z	-19.481	-19.481	0	%100
33	M138A	X	0	0	0	%100
34	M138A	Z	-6.614	-6.614	0	%100
35	M140A	X	0	0	0	%100
36	M140A	Z	-6.966	-6.966	0	%100
37	M142A	X	0	0	0	%100
38	M142A	Z	0	0	0	%100
39	M143A	X	0	0	0	%100
40	M143A	Z	-6.614	-6.614	0	%100
41	M145A	X	0	0	0	%100
42	M145A	Z	-6.966	-6.966	Ö	%100
43	M147A	X	0	0	0	%100
44	M147A	Z	0	0	0	%100
45	M148A	X	0	0	0	%100
46	M148A	Z	-6.614	-6.614	0	%100
47	M150A	X	0	0	0	%100
48	M150A	Z	-6.966	-6.966	ő	%100 %100
49	M152A	X	0	0.000	0	%100
50	M152A	Z	-19.481	-19.481	0	%100
51	M153A	X	0	0	0	%100
52	M153A	Z	-6.614	-6.614	0	%100
53	M155A	X	0	0	0	%100 %100
54	M155A	Z	-6.966	-6.966	0	%100 %100
55	M157A	X	0	0	0	
56	M157A	Z	-6.494	-6.494	0	%100 %100
57	M158A	X	0	0	0	
58	M158A	Z	-25.975	-25.975	0	%100 %100
59	M159A	X	0	-25.975		%100 %100
60	M159A	Z	-6.494	-6.494	0	%100
61	M160A	X	0	-0.494	0	%100
62	M160A	Z	-3.539	-3.539	0	<u>%100</u>
63	M161A	X	-3.539		0	%100
64	M161A	Z	-14.154	0	0	%100
65	M162A	X	-14.154	-14.154	0	%100
66	M162A	Z		0	0	%100
67	M163A	X	-3.539	-3.539	0	%100
68	M163A	Z	0	0	0	%100
69	M164A		0	0	0	%100
70	M164A	X	0	0	0	%100
71	M165A	X	-11.543	-11.543	0	%100
	IVI TOJA		0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%
72	M165A	Z	-11.543	-11.543	0	%100
73	M171A	X	0	0	0	%100
74	M171A	Z	-3.694	-3.694	0	%100
75	M173A	X	0	0	0	%100
76	M173A	Z	-3.694	-3.694	0	%100
77	M177A	X	0	0	0	%100
78	M177A	Z	-14.43	-14.43	0	%100
79	M179A	X	0	0	0	%100
80	M179A	Z	-3.522	-3.522	0	%100
	M183A	X	0	0	0	%100
81	M183A	Ž	-3.522	-3.522	0	%100
82	M185A	X	0	0	0	%100
83	M185A	Z	-14.43	-14.43	0	%100
84	M189A	X	0	0	0	%100
85		Ž	-3.539	-3.539	0	%100
86	M189A	X	0.000	0	0	%100
87	M190A	Z	-14.154	-14.154	0	%100
88	M190A	X	0	0	0	%100
89	M191A	Z	-3.539	-3.539	0	%100
90	M191A	X	0	0	0	%100
91	MP3C	Z	-10.282	-10.282	0	%100
92	MP3C		0	0	0	%100
93	MP2C	Z	-12.446	-12.446	0	%100
94	MP2C		-12.440	0	0	%100
95	MP1C	X	-10.282	-10.282	0	%100
96	MP1C	Z		0	0	%100
97	MP3B	X	-10.282	-10.282	0	%100
98	MP3B	Z		0	0	%100
99	MP2B	X	0	-12.446	0	%100
100	MP2B	Z	-12.446	-12.440	0	%100
101	MP1B	X	0	-10.282	0	%100
102	MP1B	Z	-10.282	-10.262	0	%100
103	M104	X	0	-12.446	0	%100
104	M104	Z	-12.446		0	%100
105	M109	X	0	0	0	%100
106	M109	Z	-3.112	-3.112	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	-3.112	-3.112	0	%100
109	M115	X	0	0		%100
110	M115	Z	-3.665	-3.665	0	%100
111	M116	X	0	0	0	%100 %100
112	M116	Z	-3.665	-3.665	0	
113	M117	X	0	0	0	%100
114	M117	Z	-14.66	-14.66	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	-8.408	-8.408	0	%100

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

	er Distributed Lo	The Tas		End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
	Member Label	Direction	5.402	5.402	0	%100
1	M1	1	-9.357	-9.357	0	%100
2	M1			5.141	0	%100
3	MP3A	X	5.141	THE CONTRACTOR OF	0	%100
4	MP3A	Z	-8.904	-8.904	0	%100 %100
5	MP4A	X	5.141	5.141	0	%100
6	MP4A	Z	-8.904	-8.904	0	
7	MP2A	X	6.223	6.223	0	%100
1	MP2A	7	-10.779	-10.779	0	%100
8		V	5.141	5.141	0	%100
9	MP1A		-8.904	-8.904	0	%100
10	MP1A		-0.904	0.00	-	

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

11	Member Label M109A	Direction X	Start Magnitude[lb/ft, 5.402	.End Magnitude[lb/ft 5.402	Start Location[ft,%]	End Location[ft,%] %100
12	M109A	Z	-9.357	-9.357	0	
13	MP4C	X	5.141	5.141	0	%100 %100
14	MP4C	Z	-8.904	-8.904	0	%100 %100
15	M118A	X	0	0	0	
16	M118A	Z	Ŏ	0	0	%100
17	MP4B	X	5.141	5.141	0	%100
18	MP4B	Z	-8.904	-8.904	0	%100
19	M127A	X	3.247	3.247	0	%100
20	M127A	Z	-5.624	-5.624	0	%100 %100
21	M128A	X	9.921	9.921	0	%100
22	M128A	Z	-17.184	-17.184	0	%100 %100
23	M130A	X	10.45	10.45	0	
24	M130A	Z	-18.099	-18.099	0	%100 %400
25	M132A	X	12.988	12.988	0	%100 %100
26	M132A	Z	-22.495	-22.495	0	
27	M133A	X	9.921	9.921	0	%100
28	M133A	Z	-17.184	-17.184	0	%100
29	M135A	X	10.45	10.45	0	%100
30	M135A	Z	-18.099	-18.099	0	%100
31	M137A	X	12.988	12.988	0	%100
32	M137A	Z	-22.495	-22.495	0	%100
33	M138A	X	9.921	9.921	0	%100
34	M138A	Z	-17.184	-17.184	0	%100 %400
35	M140A	X	10.45	10.45	0	%100
36	M140A	Z	-18.099	-18.099	0	%100
37	M142A	X	3.247	3.247	0	%100
38	M142A	Z	-5.624	-5.624	0	%100 %100
39	M143A	X	9.921	9.921	0	%100
40	M143A	Z	-17.184	-17.184	0	%100
41	M145A	X	10.45	10.45	0	%100 %100
42	M145A	Z	-18.099	-18.099	0	%100
43	M147A	X	3.247	3.247	0	%100
44	M147A	Z	-5.624	-5.624	0	<u>%100</u>
45	M148A	X	0	0	0	%100
46	M148A	Z	0	0	0	%100
47	M150A	X	0	0	0	%100
48	M150A	Z	0	0	0	%100 %100
49	M152A	X	3.247	3.247	0	
50	M152A	Z	-5.624	-5.624	0	%100
51	M153A	X	0	0	0	%100 %100
52	M153A	Z	0	0	0	%100 %100
53	M155A	X	0	0	0	
54	M155A	Z	0	0	0	%100 %100
55	M157A	X	9.741	9.741	0	
56	M157A	Z	-16.871	-16.871	0	%100 %100
57	M158A	X	9.741	9.741	0	%100 %100
58	M158A	Z	-16.871	-16.871	0	%100 %100
59	M159A	X	0	0	0	%100 %100
60	M159A	Z	0	0		%100
61	M160A	X	5.308	5.308	0	%100 %100
62	M160A	Z	-9.193	-9.193	0	%100 %100
63	M161A	X	5.308	5.308		
64	M161A	Z	-9.193	-9.193	0	%100
65	M162A	X	-5.193	-9.193	0	%100
66	M162A	Z	0	0	0	%100
67	M163A	X	1.924		0	%100
68	M163A	Ž	-3.332	1.924 -3.332	0	%100
69	M164A	X	1.924		0	%100
			1.324	1.924	0	%100

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

	Member Label	Direction	Start Magnitude[ib/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft.9
70	M164A	Z	-3.332	-3.332	0	%100
71	M165A	X	7.695	7.695	0	%100
72	M165A	Z	-13.328	-13.328	0	%100
	M171A	X	.000338	.000338	0	%100
73	M171A	Z	000586	000586	0	%100
74	M173A	X	5.454	5.454	0	%100
75	M173A	Z	-9.447	-9.447	0	%100
76		X	5.454	5.454	0	%100
77	M177A M177A	Z	-9.447	-9.447	0	%100
78		X	.000338	.000338	0	%100
79	M179A	Z	000586	000586	0	%100
80	M179A	X	5.369	5.369	0	%100
81	M183A	Z	-9.299	-9.299	0	%100
82	M183A		5.369	5.369	0	%100
83	M185A	Z	-9.299	-9.299	0	%100
84	M185A		5.308	5.308	0	%100
85	M189A	X	-9.193	-9.193	0	%100
86	M189A	Z	5.308	5.308	Ů.	%100
87	M190A	X	-9.193	-9.193	0	%100
88	M190A	Z		0	0	%100
89	M191A	X	0	0	0	%100
90	M191A	Z	5.141	5.141	Ö	%100
91	MP3C	X		-8.904	Ö	%100
92	MP3C	Z	-8.904	6.223	0	%100
93	MP2C	X	6.223	-10.779	0	%100
94	MP2C	Z	-10.779	5.141	0	%100
95	MP1C	X	5.141	-8.904	0	%100
96	MP1C	Z	-8.904		0	%100
97	MP3B	X	5.141	5.141	0	%100
98	MP3B	Z	-8.904	-8.904	0	%100
99	MP2B	X	6.223	6.223	0	%100
100	MP2B	Z	-10.779	-10.779	0	%100
101	MP1B	X	5.141	5.141	0	%100
102	MP1B	Z	-8.904	-8.904	0	%100 %100
103	M104	X	4.667	4.667		%100
104	M104	Z	-8.084	-8.084	0	%100
105	M109	X	4.667	4.667	0	%100 %100
106	M109	Z	-8.084	-8.084	0	
107	M114	X	0	0	0	%100
108	M114	Z	0.	0	0	%100
109	M115	X	5.498	5.498	0	%100
110	M115	Z	-9.522	-9.522	0	%100
111	M116	X	0	0	0	%100
112	M116	Z	0	0	0	%100
113	M117	X	5.498	5.498	0	%100
114	M117	Z	-9.522	-9.522	0	%100
115	OVP	X	4.204	4.204	0	%100
116	OVP	Z	-7.281	-7.281	0	%100

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

	er Distributed Lo	Direction		End Magnitude[lb/ft	Start Location[ft.%]	End Location[ft,%]
4 1	Member Label	Direction	3,119	3,119	0	%100
1	<u>M1</u>	7	-1.801	-1.801	0	%100
2	M1		8.904	8.904	0	%100
3	MP3A	^	-5.141	-5.141	0	%100
4	MP3A			8.904	0	%100
5	MP4A	X	8.904		0	%100
6	MP4A	Z	-5.141	-5.141	0	%100 %100
7	MP2A	X	10.779	10.779	0	
8	MP2A	Z	-6.223	-6.223	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
9	MP1A	X	8.904	8.904	0	%100
10	MP1A	Z	-5.141	-5.141	0	%100
11	M109A	X	12.476	12.476	0	%100
12	M109A	Z	-7.203	-7.203	0	%100
13	MP4C	X	8.904	8.904	0	%100
14	MP4C	Z	-5.141	-5.141	0 10	%100
15	M118A	X	3.119	3.119	0	%100 %100
16	M118A	Z	-1.801	-1.801	0	%100 %100
17	MP4B	X	8.904	8.904	0	%100 %100
18	MP4B	Z	-5.141	-5.141	0	
19	M127A	X	0	0	0	%100
20	M127A	Z	0	0 0	0	%100
21	M128A	X	5.728	5.728		%100
22	M128A	Z	-3.307		0	%100
23	M130A	X		-3.307	0	%100
24	M130A	Z	6.033	6.033	0	%100
25	M132A		-3.483	-3.483	0	%100
26	M132A	X	16.871	16.871	0	%100
27		Z	-9.741	-9.741	0	%100
	M133A	X	5.728	5.728	0	%100
28	M133A	Z	-3.307	-3.307	0	%100
29	M135A	X	6.033	6.033	0	%100
30	M135A	Z	-3.483	-3.483	0	%100
31	M137A	X	16.871	16.871	0	%100
32	M137A	Z	-9.741	-9.741	0	%100
33	M138A	X	22.912	22.912	0	%100
34	M138A	Z	-13.228	-13.228	0	%100
35	M140A	X	24.132	24.132	0	%100
36	M140A	Z	-13.933	-13.933	0	%100
37	M142A	X	16.871	16.871	0	%100 %100
38	M142A	Z	-9.741	-9.741	0	%100 %100
39	M143A	X	22.912	22.912	0	%100
40	M143A	Z	-13.228	-13.228	0	
41	M145A	X	24.132	24.132		%100
42	M145A	Z	-13.933	-13.933	0	%100
43	M147A	X	16.871		0	%100
44	M147A	Z	-9.741	16.871	0	%100
45	M148A	X		-9.741	0	%100
46	M148A	Ž	5.728	5.728	0	%100
47	M150A		-3.307	-3.307	0	%100
48	M150A	X	6.033	6.033	0	%100
49		Z	-3.483	-3.483	0	%100
50	M152A	X	0	0	0	%100
	M152A	Z	0	0	0	%100
51	M153A	X	5.728	5.728	0	%100
52	M153A	Z	-3.307	-3.307	0	%100
53	M155A	X	6.033	6.033	0	%100
54	M155A	Z	-3.483	-3.483	0	%100
55	M157A	X	22.495	22.495	0	%100
56	M157A	Z	-12.988	-12.988	0	%100
57	M158A	X	5.624	5.624	0	%100
58	M158A	Z	-3.247	-3.247	Ö	%100
59	M159A	X	5.624	5.624	0	%100
60	M159A	Z	-3.247	-3.247	0	%100 %100
61	M160A	X	12.258	12.258	0	%100 %100
62	M160A	Z	-7.077	-7.077		
63	M161A	X	3.064		0	<u>%100</u>
64	M161A	Z	-1.769	3.064	0	%100
65	M162A	X		-1.769	0	%100
66	M162A	Z	3.064	3.064	0	%100
67	M163A	X	-1.769	-1.769	0	%100
<u>υ, ι</u>	MITONA	^	9.996	9.996	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,	Start Location[ft,%]	End LocationIft,%
68	M163A	Z	-5.771	-5.771	0 49	%100
69	M164A	X	0	0	0	%100
70	M164A	Z	0	0	0	%100
71	M165A	X	9.996	9.996	0	%100
72	M165A	Z	-5.771	-5.771	0	%100
73	M171A	X	3.051	3.051	0	%100
74	M171A	Z	-1.761	-1.761	0	%100
75	M173A	X	12.497	12.497	0	%100
76	M173A	Z	-7.215	-7.215	0	%100
77	M177A	X	3.199	3.199	0	%100
78	M177A	Z	-1.847	-1.847	0	%100
79	M179A	X	3.199	3.199	0	%100
	M179A	Z	-1.847	-1.847	0	%100
80	M183A	X	12.497	12.497	0	%100
81		Z	-7.215	-7.215	0	%100
82	M183A	X	3.051	3.051	0	%100
33	M185A	Z	-1.761	-1.761	0	%100
84	M185A	X	12.258	12.258	0	%100
85	M189A	Z	-7.077	-7.077	0	%100
36	M189A	X	3.064	3.064	0	%100
37	M190A	Z	-1.769	-1.769	0	%100
38	M190A		3.064	3.064	0	%100
39	M191A	Z	-1.769	-1.769	0	%100
90	M191A	X	8.904	8.904	0	%100
91	MP3C	Z	-5.141	-5.141	0	%100
92	MP3C		10.779	10.779	0	%100
93	MP2C	Z	-6.223	-6.223	0	%100
94	MP2C	X	8.904	8.904	0	%100
95	MP1C		-5.141	-5.141	0	%100
96	MP1C	Z	8.904	8.904	0	%100
97	MP3B	X	-5.141	-5.141	0	%100
98	MP3B	Z		10.779	0	%100
99	MP2B	X	10.779 -6.223	-6.223	0	%100
00	MP2B	Z	8.904	8.904	0	%100
01	MP1B	X		-5.141	0	%100
02	MP1B	Z	-5.141	2.695	0	%100
03	M104	X	2.695	-1.556	0	%100
04	M104	Z	-1.556	10.779	0	%100
05	M109	X	10.779	-6.223	0	%100
06	M109	Z	-6.223	2.695	0	%100
07	M114	X	2.695	-1.556	0	%100
80	M114	Z	-1.556	12.696	0	%100
109	M115	X	12.696	-7.33	0	%100
10	M115	Z	-7.33		0	%100
111	M116	X	3.174	3.174	0	%100
112	M116	Z	-1.833	-1.833		%100
113	M117	X	3.174	3.174	0	%100
114	M117	Z	-1.833	-1.833		%100
115	OVP	X	7.281	7.281	0	%100 %100
116	OVP	Z	-4.204	-4.204	0	/0100

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

	resolution and	Direction	Start Magnitude(lb/ft.	End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
	Member Label	Direction	Otal Civing intersection	0	0	%100
1	M1		0	0	0	%100
2	M1		U	10.000	0	%100
3	MP3A	X	10.282	10.282		
4	MP3A	7	0	0	0	%100
4		T V	10.282	10.282	0	%100
5	MP4A		10.202	0	0	%100
6	MP4A		U	l v		74.1.

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

7 1	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
7	MP2A	X	12.446	12.446	0	%100
8	MP2A	Z	0	0	0	%100
9	MP1A	X	10.282	10.282	0	%100
11	MP1A	Z	0	0	0	%100
12	M109A	X	10.805	10.805	0	%100
13	M109A	Z	0	0	0	%100
	MP4C	X	10.282	10.282	0	%100
14	MP4C	Z	0	0	0	%100
16	M118A	X	10.805	10.805	0	%100
17	M118A	Z	0	0	0	%100
18	MP4B	X	10.282	10.282	0	%100
19	MP4B	Z	0	0	0	%100
20	M127A	X	6.494	6.494	0	%100
21	M127A	Z	0	0	0	%100
22	M128A	X	0	0	0	%100
23	M128A	Z	0	0	0	%100
24	M130A	X	0	0	0	%100
25	M130A	Z	0	0	0	%100
26	M132A	X	6.494	6.494	0	%100
27	M132A	Z	0	0	0	%100
28	M133A	X	0	0	0	%100
29	M133A	Z	0	0	0	%100
30	M135A M135A	X	0	0	0	%100
31		Z	0	0	0	%100
32	M137A	X	6.494	6.494	0	%100
33	M137A	Z	0	0	0	%100
34	M138A	X	19.842	19.842	0	%100
35	M138A M140A	Z	0	0	0	%100
36	M140A	Z	20.899	20.899	0	%100
37	M142A		0	0	0	%100
38	M142A M142A	X	25.975	25.975	0	%100
39	M143A	Z X	0	0	0	%100
40	M143A	Z	19.842	19.842	0	%100
41	M145A	X	0	0	0	%100
42	M145A	Z	20.899	20.899	0	%100
43	M147A	X	0	0	0	%100
44	M147A	Z	25.975 0	25.975	0	%100
45	M148A	X	19.842	0	0	%100
46	M148A	Ž	0	19.842	0	%100
47	M150A	X	20.899	0	0	%100
48	M150A	Z	0	20.899	0	%100
49	M152A	X	6.494	6 404	0	%100
50	M152A	Ž	0.494	6.494	0	%100
51	M153A	X	19.842	19.842	0	%100
52	M153A	Ž	0	0	0	%100
53	M155A	X	20.899	20.899	0	%100
54	M155A	Z	0	0	0	%100 %100
55	M157A	X	19.481	19.481	0	%100 %100
56	M157A	Z	0	0	0	%100
57	M158A	X	0	0	0	%100
58	M158A	Z	0	0	0	%100 %100
59	M159A	X	19.481	19.481	0	%100 %100
60	M159A	Z	0	0	0	
61	M160A	X	10.616	10.616	0	%100 %100
62	M160A	Z	0	0	0	%100 %100
63	M161A	X	0	0	0	
64	M161A	Ž	0	0	0	%100 %100
	M162A	X		10.616	U	70 IUU

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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,	Start Location[ft,%]	End Locationift.9
66	M162A	Z	15.39	15.39	0	%100
67	M163A	Z	0	0	0	%100
68	M163A		3.848	3.848	0	%100
69	M164A	X	0	0	0	%100
70	M164A	Z	3.848	3.848	0	%100
71	M165A	X	0	0	0	%100
72	M165A	Z	10.737	10.737	0	%100
73	M171A	X	0	0	0	%100
74	M171A	Z	10.737	10.737	0	%100
75	M173A	X	0	0	Ö	%100
76	M173A	Z	.000677	.000677	0	%100
77	M177A	X	0	0	Ö	%100
78	M177A	Z	10.908	10.908	0	%100
79	M179A	X		0	O AS	%100
30	M179A	Z	0	10.908	0	%100
31	M183A	X	10.908	0	O A	%100
32	M183A	Z	000677	.000677	0	%100
33	M185A	X	.000677	0	0	%100
34	M185A	Z	0	10.616	0	%100
35	M189A	X	10.616	0	0 40	%100
36	M189A	Z	0	0	0	%100
37	M190A	X	0	0	0	%100
38	M190A	Z	0	10.616	0	%100
39	M191A	X	10.616	0	0	%100
90	M191A	Z	0	10.282	0	%100
91	MP3C	X	10.282	0	0	%100
92	MP3C	Z	0	12.446	0	%100
93	MP2C	X	12.446		0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	10.282	10.282	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	10.282	10.282	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	12.446	12.446	0	%100
00	MP2B	Z	0	0	0	%100
01	MP1B	X	10.282	10.282	0	%100
02	MP1B	Z	0	0	0	%100
03	M104	X	0	0	0	%100
04	M104	Z	0	0	0	%100
05	M109	X	9.335	9.335	0	%100
06	M109	Z	0	0 225	0	%100
07	M114	X	9.335	9.335		21122
08	M114	Z	0	10.005	0	%100 %100
09	M115	X	10.995	10.995	0	%100
10	M115	Z	0	0		%100
111	M116	X	10.995	10.995	0	%100
12	M116	Z	0	0	0	%100 %100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	
115	OVP	X	8.408	8.408	0	%100
116	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
4	M1	X	3,119	3.119	0	%100
	23,000	7	1.801	1.801	0	%100
2	M1			8.904	n	%100
3	MP3A	X	8.904		0	%100
4	MP3A	Z	5.141	5.141		/8100

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

5	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[ib/ft,	. Start Location[ft,%]	End Location[ft,%]
6	MP4A MP4A	X	8.904	8.904	0	%100
7	MP2A	Z	5.141	5.141	0	%100
8	MP2A	Z	10.779	10.779	0	%100
9	MP1A	X	6.223	6.223	0	%100
10	MP1A	Z	8.904	8.904	0	%100
11	M109A	X	5.141	5.141	0	%100
12	M109A	Z	3.119 1.801	3.119	0	%100
13	MP4C	X	8.904	1.801	0	%100
14	MP4C	Ž	5.141	8.904	0	%100
15	M118A	X	12.476	5.141	0	%100
16	M118A	Z	7.203	12.476 7.203	0	%100
17	MP4B	X	8.904		0	%100
18	MP4B	Z	5.141	8.904	0	%100
19	M127A	X	16.871	5.141	0	%100
20	M127A	Z	9.741	16.871	0	%100
21	M128A	X	5.728	9.741	0	%100
22	M128A	Ž	3.307	5.728	0	%100
23	M130A	X	6.033	3.307	0	%100
24	M130A	Z	3.483	6.033 3.483	0	%100
25	M132A	X	0	0	0	%100
26	M132A	Z	0	0	0	%100
27	M133A	X	5.728	5.728	0	%100
28	M133A	Z	3.307	3.307	0	%100
29	M135A	X	6.033	6.033	0	%100
30	M135A	Ž	3.483	3.483	0	%100
31	M137A	X	0	0	0	%100
32	M137A	Z	0	0	0	%100 %400
33	M138A	X	5.728	5.728	0	%100 %100
34	M138A	Z	3.307	3.307	0	%100 %100
35	M140A	X	6.033	6.033	0	%100 %100
36	M140A	Z	3.483	3.483	0	%100 %100
37	M142A	X	16.871	16.871	0	%100
38	M142A	Z	9.741	9.741	0	%100 %100
39	M143A	X	5.728	5.728	0	%100 %100
40	M143A	Z	3.307	3.307	Ö	%100 %100
41	M145A	X	6.033	6.033	0	%100 %100
42	M145A	Z	3.483	3.483	Ö	%100
43	M147A	X	16.871	16.871	Ö	%100 %100
44	M147A	Z	9.741	9.741	Ö	%100
45	M148A	X	22.912	22.912	0	%100 %100
46	M148A	Z	13.228	13.228	Ö	%100
47	M150A	X	24.132	24.132	0	%100
48	M150A	Z	13.933	13.933	0	%100
49	M152A	Х	16.871	16.871	0	%100
50	M152A	Z	9.741	9.741	0	%100
51	M153A	X	22.912	22.912	0	%100
52	M153A	Z	13.228	13.228	0	%100
53	M155A	X	24.132	24.132	0	%100
54	M155A	Z	13.933	13.933	0	%100
55	M157A	X	5.624	5.624	0	%100
56	M157A	Z	3.247	3.247	0	%100
57	M158A	X	5.624	5.624	0	%100
58	M158A	Z	3.247	3.247	0	%100
59	M159A	X	22.495	22.495	0	%100
60	M159A	Z	12.988	12.988	0	%100
61	M160A	X	3.064	3.064	0	%100
62 63	M160A	Z	1.769	1.769	0	%100
D 3	M161A	X	3.064	3.064	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft	Start Location[ft,%]	End Locationift,%
64	M161A	Z	1.769	1.769	0	%100 %100
65	M162A	X	12.258	12.258	0	%100 %100
66	M162A	Z	7.077	7.077		%100 %100
67	M163A	X	9.996	9.996	0	%100
68	M163A	Z	5.771	5.771	0	%100 %100
69	M164A	X	9.996	9.996	0	
70	M164A	Z	5.771	5.771	0	%100
71	M165A	X	0	0	0	%100
72	M165A	Z	0	0	0	%100
73	M171A	X	12.497	12.497	0	%100
74	M171A	Z	7.215	7.215	0	%100
75	M173A	X	3.051	3.051	0	%100
76	M173A	Z	1.761	1.761	0	%100
77	M177A	X	3.051	3.051	0	%100
78	M177A	Z	1.761	1.761	0	%100
	M179A	X	12.497	12.497	0	%100
79	M179A	Z	7.215	7.215	0	%100
80	M183A	X	3.199	3.199	0	%100
81		Z	1.847	1.847	0	%100
82	M183A	X	3.199	3.199	0	%100
83	M185A	Z	1.847	1.847	0	%100
84	M185A	X	3.064	3.064	0	%100
85	M189A	Z	1.769	1.769	0	%100
86	M189A		3.064	3.064	0	%100
87	M190A	X	1.769	1.769	0	%100
88	M190A	Z	12.258	12.258	0	%100
89	M191A	X	7.077	7.077	0	%100
90	M191A	Z		8.904	0	%100
91	MP3C	X	8.904		0	%100
92	MP3C	Z	5.141	5.141	0	%100
93	MP2C	X	10.779	10.779	0	%100
94	MP2C	Z	6.223	6.223	0	%100
95	MP1C	X	8.904	8.904	0	%100
96	MP1C	Z	5.141	5.141		%100 %100
97	MP3B	X	8.904	8.904	0	
98	MP3B	Z	5.141	5.141	0	%100
99	MP2B	X	10.779	10.779	0	%100
100	MP2B	Z	6.223	6.223	0 /4	%100
101	MP1B	X	8.904	8.904	0	%100
102	MP1B	Z	5.141	5.141	0	%100
103	M104	X	2.695	2.695	0	%100
104	M104	Z	1.556	1.556	0	%100
105	M109	X	2,695	2.695	0	%100
106	M109	Z	1.556	1.556	0	%100
107	M114	X	10.779	10.779	0	%100
	M114	Z	6.223	6.223	0	%100
108	M115	X	3.174	3.174	0	%100
109		Z	1.833	1.833	0 1	%100
110	M115	X	12.696	12.696	0	%100
111	M116	Z	7.33	7.33	0	%100
112	M116	X	3.174	3.174	0	%100
113	M117		1.833	1.833	0	%100
114	M117	Z	7.281	7.281	Ů Ů	%100
115	OVP OVP	X Z	4.204	4.204	Ů Ů	%100

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

Monte	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft.%]
	Member Laber	1 X	5.402	5.402	0	%100
1		7	9.357	9.357	0	%100
1 2 1	M1		9.001	0.007		

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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,	Start Location[ft,%]	End Location[ft,%]
3	MP3A	X	5.141	5.141	0	%100
4	MP3A	Z	8.904	8.904	0	%100
5	MP4A	X	5.141	5.141	0	%100
6	MP4A	Z	8.904	8.904	0	%100
7	MP2A	X	6.223	6.223	0	%100
8	MP2A	Z	10.779	10.779	0	%100
9	MP1A	X	5.141	5.141	0	%100
10	MP1A	Z	8.904	8.904	0	%100
11	M109A	X	0	0	0	%100
12	M109A	Z	0	0	0	%100
13	MP4C	X	5.141	5.141	0	%100
14	MP4C	Z	8.904	8.904	0	%100
15	M118A	X	5.402	5.402	0	%100 %100
16	M118A	Z	9.357	9.357	0	%100
17	MP4B	X	5.141	5.141	0	
18	MP4B	Z	8.904			%100
19	M127A	X	12.988	8.904	0	%100
20	M127A			12.988	0	%100
21	M128A	Z X	22.495	22.495	0	%100
22	M128A		9.921	9.921	0	%100
		Z	17.184	17.184	0	%100
23	M130A	X	10.45	10.45	0	%100
24	M130A	Z	18.099	18.099	0	%100
25	M132A	X	3.247	3.247	0	%100
26	M132A	Z	5.624	5.624	0	%100
27	M133A	X	9.921	9.921	0	%100
28	M133A	Z	17.184	17.184	0	%100
29	M135A	X	10.45	10.45	0	%100
30	M135A	Z	18.099	18.099	0	%100
31	M137A	X	3.247	3.247	0	%100
32	M137A	Z	5.624	5.624	0	%100
33	M138A	X	0	0	0	%100
34	M138A	Z	0	0	ő	%100
35	M140A	X	0	0	0	%100
36	M140A	Z	0	0	o l	%100
37	M142A	X	3.247	3.247	0	%100 %100
38	M142A	Z	5.624	5.624	0	%100 %100
39	M143A	X	0	0	0	
40	M143A	Z	0	0		%100
41	M145A	X	0		0	%100
42	M145A	Ž		0	0	%100
43	M147A		0	0	0	%100
44		X	3.247	3.247	0	%100
45	M147A	Z	5.624	5.624	0	%100
	M148A	X	9.921	9.921	0	%100
46	M148A	Z	17.184	17.184	0	%100
47	M150A	X	10.45	10.45	0	%100
48	M150A	Z	18.099	18.099	0	%100
49	M152A	X	12.988	12.988	0	%100
50	M152A	Z	22.495	22.495	0	%100
51	M153A	X	9.921	9.921	0	%100
52	M153A	Z	17.184	17.184	0	%100
53	M155A	X	10.45	10.45	0	%100
54	M155A	Z	18.099	18.099	0	%100
55	M157A	X	0	0	0	%100 %100
56	M157A	Z	0	0	0	%100 %100
57	M158A	X	9.741	9.741	0	%100 %100
58	M158A	Z	16.871	16.871		
59	M159A	X	9.741		0	%100
60	M159A	Ž	16.871	9.741	0	%100
61	M160A	X		16.871	0	%100
Grant I	IVI I OUA	_ ^	0	0	0	%100

Company Designer Job Number Model Name : Colliers Engineering & Design

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

	Member Label	Direction		End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,% %100
62	M160A	Z	0	0	0	%100 %100
63	M161A	X	5.308	5.308	0	%100
64	M161A	Z	9.193	9.193	0	
65	M162A	X	5.308	5.308	0	%100
66	M162A	Z	9.193	9.193	0 4	%100
67	M163A	X	1.924	1.924	0	%100
68	M163A	Z	3.332	3.332	0	%100
69	M164A	X	7.695	7.695	0	%100
70	M164A	Z	13.328	13.328	0	%100
	M165A	X	1.924	1.924	0	%100
71 72	M165A	Z	3.332	3.332	0	%100
	M171A	X	5.454	5.454	0	%100
73	M171A	Z	9.447	9.447	0	%100
74		X	.000338	.000338	0	%100
75	M173A	Ž	.000586	.000586	0	%100
76	M173A	X	5.369	5.369	0	%100
77	M177A	Ž	9.299	9.299	0	%100
78	M177A	X	5.369	5.369	0	%100
79	M179A		9.299	9.299	0	%100
80	M179A	Z	.000338	.000338	0	%100
81	M183A	X	.000586	.000586	0	%100
82	M183A	Z		5.454	0	%100
83	M185A	X	5.454	9.447	0	%100
84	M185A	Z	9.447	0	0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	0		0	%100
87	M190A	X	5.308	5.308	0	%100
88	M190A	Z	9.193	9.193	0	%100
89	M191A	X	5.308	5.308	0	%100
90	M191A	Z	9.193	9.193		%100
91	MP3C	X	5.141	5.141	0	%100
92	MP3C	Z	8.904	8.904	0	%100
93	MP2C	X	6.223	6.223	0	%100
94	MP2C	Z	10.779	10.779	0	
95	MP1C	X	5.141	5.141	0	%100
96	MP1C	Z	8.904	8.904	0	%100
97	MP3B	X	5.141	5.141	0	%100
98	MP3B	Z	8.904	8.904	0	%100
99	MP2B	X	6.223	6.223	0	%100
100	MP2B	Z	10.779	10.779	0	%100
101	MP1B	X	5.141	5.141	0	%100
		Z	8.904	8.904	0	%100
102	MP1B M104	X	4.667	4.667	0	%100
103	M104	Z	8.084	8.084	0	%100
104	M104	X	0.004	0	0	%100
105	M109	Z	0	0	0	%100
106	M109	X	4.667	4.667	0	%100
107	M114	^	8.084	8.084	0	%100
108	M114	Z		0.004	0	%100
109	M115	X	0	0	, o	%100
110	M115	Z		5.498	Ö	%100
111	M116	X	5.498	9.522	0	%100
112	M116	Z	9.522		0	%100
113	M117	X	5.498	5.498	0	%100
114	M117	Z	9.522	9.522		%100
115	OVP	X	4.204	4.204	0	%100
116	OVP	Z	7.281	7.281	0	70100

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

Member Label Direction Start Magnitude[lb/ft,...End Magnitude[lb/ft,... Start Location[ft,%] End Location[ft,%]

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

	Member Label	Direction		End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
2	M1	X	0	0	0	%100
3	M1 MP3A	Z	14.406	14.406	0	%100
4	MP3A	X	0	0	0	%100
5		Z	10.282	10.282	0	%100
6	MP4A	X	0	0	0	%100
7	MP4A	Z	10.282	10.282	0	%100
	MP2A	X	0	0	0	%100
8	MP2A	Z	12.446	12.446	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	10.282	10.282	0	%100
11	M109A	X	0	0	0	%100
12	M109A	Z	3.602	3.602	0	%100
13	MP4C	X	0	0	0	%100
14	MP4C	Z	10.282	10.282	0	%100
15	M118A	X	0	0	0	%100
16	M118A	Z	3.602	3.602	0	%100
17	MP4B	X	0	0	0	%100
18	MP4B	Z	10.282	10.282	0	%100
19	M127A	X	0	0	0	%100
20	M127A	Z	19.481	19.481	0	%100 %100
21	M128A	X	0	0	0	%100
22	M128A	Z	26.456	26.456	0	%100 %100
23	M130A	X	0	0	0	%100 %100
24	M130A	Z	27.866	27.866	0	%100
25	M132A	X	0	0	0	%100
26	M132A	Z	19.481	19.481	0	%100
27	M133A	X	0	0	0	%100 %100
28	M133A	Z	26.456	26.456	0	
29	M135A	X	0	0	0	%100
30	M135A	Z	27.866	27.866	0	%100 %100
31	M137A	X	0	0	0	
32	M137A	Z	19.481	19.481	0	%100
33	M138A	X	0	0	0	%100
34	M138A	Z	6.614	6.614	0	%100
35	M140A	X	0.014	0.014		%100
36	M140A	Ž	6.966	6.966	0	%100
37	M142A	X	0.900		0	%100
38	M142A	Z	0	0	0	%100
39	M143A	X	0		0	%100
40	M143A	Z	6.614	0	0	%100
41	M145A	X	0.614	6.614	0	%100
42	M145A	Z		0	0	%100
43	M147A		6.966	6.966	0	%100
44	M147A	Z	0	0	0	%100
45	M148A	X	0	0	0	%100
46	M148A		0	0	0	%100
47	M150A	Z	6.614	6.614	0	%100
48	M150A	X	0	0	0	%100
49		Z	6.966	6.966	0	%100
50	M152A	X	0	0	0	%100
	M152A	Z	19.481	19.481	0	%100
51	M153A	X	0	0	0	%100
52	M153A	Z	6.614	6.614	0	%100
53	M155A	X	0	0	0	%100
54	M155A	Z	6.966	6.966	0	%100
55	M157A	X	0	0	0	%100
56	M157A	Z	6.494	6.494	0	%100
57	M158A	X	0	0	0	%100
58	M158A	Z	25.975	25.975	0	%100
59	M159A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft, 6.494	Start Location[ft,%] 0	End Location[ft.% %100
60	M159A	Z	6.494	0.494	0	%100
31	M160A	X	3.539	3.539	Ŏ	%100
32	M160A	Z	0	0	0	%100
33	M161A	X	14.154	14.154	0	%100
64	M161A	Z	14.154	0	0	%100
55	M162A	X	3.539	3.539	I O M	%100
66	M162A	Z		0	0	%100
67	M163A	X	0	0	Ů Ů	%100
88	M163A	Z	0	0	0	%100
69	M164A	X	11.543	11.543	0	%100
70	M164A	Z		0	0	%100
71	M165A	X	11.543	11.543	ŏ	%100
72	M165A	Z		0	0	%100
73	M171A	X	0	3.694	Ö	%100
74	M171A	Z	3.694	0	0	%100
75	M173A	X	0	3.694	Ŏ	%100
76	M173A	Z	3.694	0	0	%100
77	M177A	X	0	14.43	0	%100
78	M177A	Z	14.43	0	0	%100
79	M179A	X	3.522	3.522	0	%100
80	M179A	Z		0	0	%100
81	M183A	X	0	3.522	Ŏ	%100
82	M183A	Z	3.522	0	0	%100
83	M185A	X	0	14.43	0	%100
84	M185A	Z	14.43		0	%100
85	M189A	X	0	3.539	O O	%100
86	M189A	Z	3.539	0	0	%100
87	M190A	X	0		0	%100
88	M190A	Z	14.154	14.154	0	%100
89	M191A	X	0	3.539	0	%100
90	M191A	Z	3.539		0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	10.282	10.282	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	12.446	12.446	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	10.282	10.282	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	10.282	10.282	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	12.446	12.446	0	%100
101	MP1B	X	0	0		%100 %100
102	MP1B	Z	10.282	10.282	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	12.446	12.446	0	%100
105	M109	X	0	0	0	%100 %100
106	M109	Z	3.112	3.112	0	%100
107	M114	X	0	0	0	%100 %100
108	M114	Z	3.112	3.112	0	%100 %100
109	M115	X	0	0	0	%100 %100
110	M115	Z	3.665	3.665	0	
111	M116	X	0	0	0	%100
112	M116	Z	3.665	3.665	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	14.66	14.66	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	8.408	8.408	0	%100

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

1	Member Label M1	Direction X	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%] 0	End Location[ft,%] %100
2	M1	Z	9.357	9.357	0	%100
3	MP3A	X	-5.141	-5.141	0	%100
4	MP3A	Z	8.904	8.904	0	%100
5	MP4A	X	-5.141	-5.141	0	%100
6	MP4A	Z	8.904	8.904	0	%100
7	MP2A	X	-6.223	-6.223	0	%100
8	MP2A	Z	10.779	10.779	0	%100
9	MP1A	X	-5.141	-5.141	0	%100 %100
10	MP1A	Z	8.904	8.904	0	%100
11	M109A	X	-5.402	-5.402	0	%100 %100
12	M109A	Z	9.357	9.357	0	%100
13	MP4C	X	-5.141	-5.141	0	%100
14	MP4C	Z	8.904	8.904	0	%100
15	M118A	X	0.304	0	0	
16	M118A	Z	0	0	0	%100
17	MP4B	X	-5.141	-5.141		%100
18	MP4B	Z	8.904		0	%100
19	M127A	X		8.904	0	%100
20	M127A	Z	-3.247	-3.247	0	%100
21	M128A		5.624	5.624	0	%100
22		X	-9.921	-9.921	0	%100
23	M128A	Z	17.184	17.184	0	%100
	M130A	X	-10.45	-10.45	0	%100
24	M130A	Z	18.099	18.099	0	%100
25	M132A	X	-12.988	-12.988	0	%100
26	M132A	Z	22.495	22.495	0	%100
27	M133A	X	-9.921	-9.921	0	%100
28	M133A	Z	17.184	17.184	0	%100
29	M135A	X	-10.45	-10.45	0	%100
30	M135A	Z	18.099	18.099	0	%100
31	M137A	X	-12.988	-12.988	0	%100
32	M137A	Z	22.495	22.495	0	%100
33	M138A	X	-9.921	-9.921	0	%100
34	M138A	Z	17.184	17.184	0	%100
35	M140A	X	-10.45	-10.45	0	%100
36	M140A	Z	18.099	18.099	Ö	%100
37	M142A	X	-3.247	-3.247	0	%100
38	M142A	Z	5.624	5.624	0	%100
39	M143A	X	-9.921	-9.921	0	%100
40	M143A	Z	17.184	17.184	0	%100
41	M145A	X	-10.45	-10.45	0	%100 %100
42	M145A	Z	18.099	18.099	0	
43	M147A	X	-3.247	-3.247		<u>%100</u>
44	M147A	Z	5.624		0	%100
45	M148A	X		5.624	0	%100
46	M148A	Z	0	0	0	%100
47	M150A			0	0	%100
48	M150A M150A	X	0	0	0	%100
49		Z	0	0	0	%100
	M152A	X	-3.247	-3.247	0	%100
50	M152A	Z	5.624	5.624	0	%100
51	M153A	X	0	0	0	%100
52	M153A	Z	0	0	0	%100
53	M155A	X	0	0	0	%100
54	M155A	Z	0	0	0	%100
55	M157A	X	-9.741	-9.741	0	%100
56	M157A	Z	16.871	16.871	0	%100
57	M158A	X	-9.741	-9.741	0	%100
58	M158A	Z	16.871	16.871	0	%100
59	M159A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft		Start Location[ft,%]	End Location(ft. 9100
60	M159A	Z	5 000	5 209	0	%100 %100
31	M160A	X	-5.308	-5.308	0	%100
32	M160A	Z	9.193	9.193	0	%100
33	M161A	X	-5.308	-5.308		%100
64	M161A	Z	9.193	9.193	0	%100 %100
35	M162A	X	0	0	0	%100
36	M162A	Z	0	0	0	%100
67	M163A	X	-1.924	-1.924	0	%100
68	M163A	Z	3.332	3.332	0	%100
39	M164A	X	-1.924	-1.924	0	%100 %100
70	M164A	Z	3.332	3.332	0	%100 %100
71	M165A	X	-7.695	-7,695	0	%100 %100
72	M165A	Z	13.328	13.328	0	%100
73	M171A	X	000338	000338	0	%100
74	M171A	Z	.000586	.000586	0	
75	M173A	X	-5.454	-5.454	0	%100
76	M173A	Z	9.447	9.447	0	%100
77	M177A	X	-5.454	-5.454	0	%100 %100
78	M177A	Z	9.447	9.447	0	%100
79	M179A	X	000338	000338	0	%100
30	M179A	Z	.000586	.000586	0	%100
81	M183A	X	-5.369	-5.369	0	%100
82	M183A	Z	9.299	9.299	0	<u>%100</u>
83	M185A	X	-5.369	-5.369	0	%100
84	M185A	Z	9.299	9.299	0	%100
85	M189A	X	-5.308	-5.308	0	%100
86	M189A	Z	9.193	9.193	0	%100
87	M190A	X	-5.308	-5.308	0	%100
88	M190A	Z	9.193	9.193	0	%100
89	M191A	X	0	0	0	%100
90	M191A	Z	0	0	0	%100
91	MP3C	X	-5.141	-5.141	0	%100
92	MP3C	Z	8.904	8.904	0	%100
93	MP2C	X	-6.223	-6.223	0	%100
94	MP2C	Z	10.779	10.779	0	%100
95	MP1C	X	-5.141	-5.141	0	%100
96	MP1C	Z	8.904	8.904	0	%100
97	MP3B	X	-5.141	-5.141	0	%100
98	MP3B	Z	8.904	8.904	0	%100
99	MP2B	X	-6.223	-6.223	0	%100
100	MP2B	Z	10.779	10.779	0	%100
101	MP1B	X	-5.141	-5.141	0	%100
102	MP1B	Z	8.904	8.904	0	%100
103	M104	X	-4.667	-4.667	0	%100
104	M104	Z	8.084	8.084	0	%100
105	M109	X	-4.667	-4.667	0	%100
106	M109	Z	8.084	8.084	0	%100
107	M114	X	0	0	0	%100
	M114	Z	0	0	0	%100
108	M115	X	-5.498	-5.498	0	%100
109	M115	Z	9.522	9.522	0	%100
110		X	0	0	0	%100
111	M116	Z	0	0	0	%100
112	M116	X	-5.498	-5.498	0	%100
113	M117	Z	9.522	9.522	0	%100
114	M117	X	-4.204	-4.204	0	%100
115	OVP OVP	Z	7.281	7.281	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,	Start Location(ft %)	End Location[ft,%]
1	M1	X	-3.119	-3.119	0	%100
2	M1	Z	1.801	1.801	0	%100
3	MP3A	X	-8.904	-8.904	0	%100
4	MP3A	Z	5.141	5.141	0	%100
5	MP4A	X	-8.904	-8.904	0	%100
6	MP4A	Z	5.141	5.141	0	%100
7	MP2A	X	-10.779	-10.779	0	%100
8	MP2A	Z	6.223	6.223	0	%100
9	MP1A	X	-8.904	-8.904	0	%100 %100
10	MP1A	Z	5.141	5.141	0	%100
11	M109A	X	-12.476	-12.476	0	%100
12	M109A	Z	7.203	7.203	0	%100
13	MP4C	X	-8.904	-8.904	0	%100 %100
14	MP4C	Z	5.141	5.141	0	%100 %100
15	M118A	X	-3.119	-3.119	0	%100
16	M118A	Z	1.801	1.801	0	%100
17	MP4B	X	-8.904	-8.904	0	%100 %100
18	MP4B	Z	5.141	5.141	Ö	%100 %100
19	M127A	X	0	0	0	%100 %100
20	M127A	Z	0	0	0	%100
21	M128A	X	-5.728	-5.728	0	%100 %100
22	M128A	Z	3.307	3.307	0	%100 %100
23	M130A	X	-6.033	-6.033	0	%100
24	M130A	Z	3.483	3.483	0	%100
25	M132A	X	-16.871	-16.871	0	%100 %100
26	M132A	Z	9.741	9.741	0	
27	M133A	X	-5.728	-5.728	0	%100
28	M133A	Z	3.307	3.307	0	%100
29	M135A	X	-6.033	-6.033	0	%100
30	M135A	Z	3.483	3.483	0	%100
31	M137A	X	-16.871	-16.871		%100
32	M137A	Z	9.741	9.741	0	%100
33	M138A	X	-22.912	-22.912	0	%100
34	M138A	Z	13.228	13.228	0	%100
35	M140A	X	-24.132	-24.132	0	%100
36	M140A	Z	13.933	13.933	0	%100
37	M142A	X	-16.871	-16.871	0	%100
38	M142A	Z	9.741	9.741	0	%100
39	M143A	X	-22.912	-22.912	0	%100
40	M143A	Z	13.228	13.228		%100
41	M145A	X	-24.132	-24.132	0	%100
42	M145A	Z	13.933	13.933	0	%100
43	M147A	X	-16.871			%100
44	M147A	Z	9.741	-16.871	0	%100
45	M148A	X	-5.728	9.741 -5.728	0	%100
46	M148A	Z	3.307	3.307	0	%100
47	M150A	X	-6.033		0	%100
48	M150A	Z	3.483	-6.033 3.483	0	%100
49	M152A	X	0		0	%100
50	M152A	Z	0	0	0	%100
51	M153A	X	-5.728	5 720	0	%100
52	M153A	Z	3.307	-5.728	0	%100
53	M155A	X		3.307	0	%100
54	M155A	Z	-6.033	-6.033	0	%100
55	M157A	X	3.483	3.483	0	%100
56	M157A	Z	-22.495	-22.495	0	%100
57	M158A	X	12.988	12.988	0	%100
58	M158A	Z	-5.624	-5.624	0	%100
59	M159A	X	3.247 -5.624	3.247	0	%100
	,		-3.024	-5.624	0	%100

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

	Member Label	Direction		.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,% %100
60	M159A	Z	3.247	3.247	0	%100 %100
61	M160A	X	-12.258	-12.258	0	%100 %100
62	M160A	Z	7.077	7.077	0	%100 %100
63	M161A	X	-3.064	-3.064	0	%100 %100
64	M161A	Z	1.769	1.769		%100 %100
65	M162A	X	-3.064	-3.064	0	%100 %100
66	M162A	Z	1.769	1.769		%100 %100
67	M163A	X	-9.996	-9.996	0	%100 %100
68	M163A	Z	5.771	5.771		%100 %100
69	M164A	X	0	0	0	%100
70	M164A	Z	0	0	0	%100 %100
71	M165A	X	-9.996	-9.996		%100 %100
72	M165A	Z	5.771	5.771	0	%100 %100
73	M171A	X	-3.051	-3.051		%100
74	M171A	Z	1.761	1.761	0	%100 %100
75	M173A	X	-12.497	-12.497	0	%100 %100
76	M173A	Z	7.215	7.215	0	%100 %100
77	M177A	X	-3.199	-3.199	0	%100 %100
78	M177A	Z	1.847	1.847	0	%100 %100
79	M179A	X	-3.199	-3.199	0	%100
80	M179A	Z	1.847	1.847	0	%100 %100
81	M183A	X	-12.497	-12.497	0	%100 %100
82	M183A	Z	7.215	7.215	0	%100 %100
83	M185A	X	-3,051	-3.051	0	%100 %100
84	M185A	Z	1.761	1.761	0	%100 %100
85	M189A	X	-12.258	-12.258	0	%100 %100
86	M189A	Z	7.077	7.077	0	%100
87	M190A	X	-3.064	-3.064	0	%100
88	M190A	Z	1.769	1.769	0	%100
89	M191A	X	-3.064	-3.064	0	%100 %100
90	M191A	Z	1.769	1.769	0	
91	MP3C	X	-8.904	-8.904	0	%100
92	MP3C	Z	5.141	5.141	0	%100
93	MP2C	X	-10.779	-10.779	0	%100
94	MP2C	Z	6.223	6.223	0	%100
95	MP1C	X	-8.904	-8.904	0	%100
96	MP1C	Z	5.141	5.141	0	%100
97	MP3B	X	-8.904	-8.904	0	%100 %100
98	MP3B	Z	5.141	5.141	0	
99	MP2B	X	-10.779	-10.779	0	%100
100	MP2B	Z	6.223	6.223	0	%100
101	MP1B	X	-8.904	-8.904	0	%100
102	MP1B	Z	5.141	5.141	0	%100
103	M104	X	-2.695	-2.695	0	%100
104	M104	Z	1.556	1.556	0	%100
105	M109	X	-10.779	-10.779	0	%100
106	M109	Z	6.223	6.223	0	%100
107	M114	X	-2.695	-2.695	0	%100
108	M114	Z	1.556	1.556	0	%100
109	M115	X	-12.696	-12.696	0	%100
110	M115	Z	7.33	7.33	0	%100
111	M116	X	-3.174	-3.174	0	%100
112	M116	Z	1.833	1.833	0	%100
113	M117	X	-3.174	-3.174	0	%100
114	M117	Z	1.833	1.833	0	%100
115	OVP	X	-7.281	-7.281	0	%100
116	OVP	Z	4.204	4.204	0	%100

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

1	Member Label M1	Direction X	Start Magnitude[lb/ft, 0	End Magnitude[ib/ft,	Start Location[ft.%]	End Location[ft,%] %100
2	M1	Z	0	0	0	%100
3	MP3A	X	-10.282	-10.282	0	%100
4	MP3A	Z	0	0	0	
5	MP4A	X	-10.282	-10.282	0	%100
6	MP4A	Z	0	0		%100
7	MP2A	X	-12.446		0	%100
8	MP2A	Z	0	-12.446	0	%100
9	MP1A	X	-10.282	0	0	%100
10	MP1A			-10.282	0	%100
11	M109A	Z X	0	0	0	%100
12	M109A	Z	-10.805	-10.805	0	%100
13			0	0	0	%100
	MP4C	X	-10.282	-10.282	0	% 100
14	MP4C	Z	0	0	0	%100
15	M118A	X	-10.805	-10.805	0	%100
16	M118A	Z	0	0	0	%100
17	MP4B	X	-10.282	-10.282	0	%100
18	MP4B	Z	0	0	0	%100
19	M127A	X	-6.494	-6.494	0	%100
20	M127A	Z	0	0	0	%100
21	M128A	X	0	0	0	%100
22	M128A	Z	0	0	0	%100
23	M130A	X	0	0	0	%100
24	M130A	Z	0	0	0	%100
25	M132A	X	-6.494	-6.494	0	%100
26	M132A	Z	0	0	Ö	%100
27	M133A	X	0	0	0	%100
28	M133A	Z	0	0	Ö	%100
29	M135A	X	0	0	0	%100
30	M135A	Z	0	0	0	
31	M137A	X	-6.494	-6.494	0	%100
32	M137A	Z	0	-0.494		%100
33	M138A	X	-19.842		0	%100
34	M138A	Z	-19.642	-19.842	0	%100
35	M140A	X		0	0	%100
36	M140A	Z	-20.899	-20.899	0	%100
37	M142A		0	0	0	%100
38		X	-25.975	-25.975	0	%100
	M142A	Z	0	0	0	%100
39	M143A	X	-19.842	-19.842	0	%100
40	M143A	Z	0	0	0	%100
41	M145A	X	-20.899	-20.899	0	%100
42	M145A	Z	0	0	0	%100
43	M147A	X	-25.975	-25.975	0	%100
44	M147A	Z	0	0	0	%100
45	M148A	X	-19.842	-19.842	0	%100
46	M148A	Z	0	0	0	%100
47	M150A	Х	-20.899	-20.899	0	%100
48	M150A	Z	0	0	0	%100 %100
49	M152A	X	-6.494	-6.494	0	%100
50	M152A	Z	0	0.454	0	%100 %100
51	M153A	X	-19.842	-19.842	0	%100 %100
52	M153A	Z	0	0	0	%100 %100
53	M155A	X	-20,899	-20.899		
54	M155A	Ž	-20.699		0	%100 %400
55	M157A	X		0	0	%100
56	M157A	Z	-19.481	-19.481	0	%100
57	M158A		0	0	0	%100
58	M158A	X	0	0	0	%100
59	M158A M159A	Z	0	0	0	%100
JJ	IVI 103A	X	-19.481	-19.481	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,	Start Location[ft.%]	End Location[ft.% %100
60	M159A	Z	0	0	0	%100 %100
61	M160A	X	-10.616	-10.616		%100 %100
62	M160A	Z	0	0	0	%100
63	M161A	X	0	0	0	%100 %100
64	M161A	Z	0	0	0	%100 %100
65	M162A	X	-10.616	-10.616	0	%100 %100
66	M162A	Z	0	0	0	%100 %100
67	M163A	X	-15.39	-15.39	0	%100 %100
68	M163A	Z	0	0	0	
69	M164A	X	-3.848	-3.848	0	%100 %100
70	M164A	Z	0	0	0	%100 %100
71	M165A	X	-3.848	-3.848	0	%100 %100
72	M165A	Z	0	0	0	
73	M171A	X	-10.737	-10.737	0	%100
74	M171A	Z	0	0	0	%100
75	M173A	X	-10.737	-10.737	0	%100
76	M173A	Z	0	0	0	%100
77	M177A	X	000677	000677	0	%100
78	M177A	Z	0	0	0	%100
79	M179A	X	-10.908	-10.908	0	%100
80	M179A	Z	0	0	0	%100
81	M183A	X	-10.908	-10.908	0	%100
82	M183A	Z	0	0	0	%100
83	M185A	X	000677	000677	0	%100
84	M185A	Z	0	0	0	%100
85	M189A	X	-10.616	-10.616	0	%100
86	M189A	Z	0	0	0	%100
87	M190A	X	0	0	0	%100
88	M190A	Z	0	0	0	%100
89	M191A	X	-10.616	-10.616	0	%100
90	M191A	Z	0	0	0	%100
	MP3C	X	-10.282	-10.282	0	%100
91 92	MP3C	Z	0	0	0	%100
	MP2C	X	-12.446	-12.446	0	%100
93	MP2C	Z	0	0	0	%100
94		X	-10.282	-10.282	0	%100
95	MP1C	Z	0	0	0	%100
96	MP1C	X	-10.282	-10.282	0	%100
97	MP3B	Z	0	0	0	%100
98	MP3B	X	-12.446	-12.446	0	%100
99	MP2B	Z	0	0	0	%100
100	MP2B		-10.282	-10.282	0	%100
101	MP1B	Z	-10.202	0	0	%100
102	MP1B	X	0	Ů Ů	0	%100
103	M104	Z	0	0	0	%100
104	M104	X	-9.335	-9.335	0	%100
105	M109	Z	-9.333	0	0 /	%100
106	M109		-9.335	-9.335	0	%100
107	M114	X	-9.335	0	0	%100
108	M114	Z	-10.995	-10.995	0	%100
109	M115	X		-10.993	0	%100
110	M115	Z	10,005	-10.995	0	%100
111	M116	X	-10.995		0	%100 %100
112	M116	Z	0	0	0	%100 %100
113	M117	X	0	0	0	%100 %100
114	M117	Z	0	0 400		%100 %100
115	OVP	X	-8.408	-8.408	0	
116	OVP	Z	0	0	0	%100

: : 5000247368-VZW_MT_LO_H July 3, 2023 4:24 PM Checked By:____

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[ib/ft,	Start Location[ft,%]	End Location[ft,%]
1	<u>M1</u>	X	-3.119	-3.119	0	%100
2	M1	Z	-1.801	-1.801	0	%100
3	MP3A	X	-8.904	-8.904	0	%100
4	MP3A	Z	-5.141	-5.141	0	%100
5	MP4A	X	-8.904	-8.904	0	%100
6	MP4A	Z	-5.141	-5.141	0	%100
7	MP2A	X	-10.779	-10.779	0	%100
8	MP2A	Z	-6.223	-6.223	0	%100
9	MP1A	X	-8.904	-8.904	0	%100
10	MP1A	Z	-5.141	-5.141	0	%100
11	M109A	X	-3.119	-3.119	0	%100
12	M109A	Z	-1.801	-1.801	0	%100 %100
13	MP4C	X	-8.904	-8.904	0	%100
14	MP4C	Z	-5.141	-5.141	0	%100
15	M118A	X	-12.476	-12.476	0	%100 %100
16	M118A	Z	-7.203	-7.203	0	
17	MP4B	X	-8.904	-8.904	0	%100
18	MP4B	Z	-5.141	-5.141	0	%100
19	M127A	X				%100
20	M127A	Z	-16.871	-16.871	0	%100
21	M128A	X	-9.741	-9.741	0	%100
22	M128A		-5.728	-5.728	0	%100
23	M130A	Z	-3.307	-3.307	0	%100
24		X	-6.033	-6.033	0	%100
	M130A	Z	-3.483	-3.483	0	%100
25	M132A	X	0	0	0	%100
26	M132A	Z	0	0	0	%100
27	M133A	X	-5.728	-5.728	0	%100
28	M133A	Z	-3.307	-3.307	0	%100
29	M135A	X	-6.033	-6.033	0	%100
30	M135A	Z	-3.483	-3.483	0	%100
31	M137A	X	0	0	0	%100
32	M137A	Z	0	0	0	%100
33	M138A	X	-5.728	-5.728	0	%100
34	M138A	Z	-3.307	-3.307	0	%100
35	M140A	X	-6.033	-6.033	0	%100
36	M140A	Z	-3.483	-3.483	Ö	%100
37	M142A	X	-16.871	-16.871	Ö	%100 %100
38	M142A	Z	-9.741	-9.741	ő	%100
39	M143A	X	-5.728	-5.728	0	%100
40	M143A	Z	-3.307	-3.307	0	%100
41	M145A	X	-6.033	-6.033		
42	M145A	Z	-3.483	-3.483	0	%100
43	M147A	X	-16.871	-16.871	0	%100
44	M147A	Z	-9.741		0	%100
45	M148A	X		-9.741	0	%100
46	M148A		-22.912	-22.912	0	%100
47		Z	-13.228	-13.228	0	%100
48	M150A M150A	X	-24.132	-24.132	0	%100
		Z	-13.933	-13.933	0	%100
49	M152A	X	-16.871	-16.871	0	%100
50	M152A	Z	-9.741	-9.741	0	%100
51	M153A	X	-22.912	-22.912	0	%100
52	M153A	Z	-13.228	-13.228	0	%100
53	M155A	X	-24.132	-24.132	0	%100
54	M155A	Z	-13.933	-13.933	0	%100
55	M157A	X	-5.624	-5.624	0	%100
56	M157A	Z	-3.247	-3.247	0	%100
57	M158A	X	-5.624	-5.624	0	%100
58	M158A	Z	-3.247	-3.247	0	%100
59	M159A	X	-22.495	-22.495	0	%100 %100

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

60	M159A		42 000	_12 099	0	%100
		Z	-12.988 -3.064	-12.988 -3.064	0	%100 %100
	M160A	X		-3.064	0	%100 %100
62	M160A	Z	-1.769	-3.064	0	%100
63	M161A	X	-3.064 -1.769	-1.769	0	%100
64	M161A	Z		-12.258	0	%100
65	M162A	X	-12.258	-7.077	0	%100 %100
66	M162A	Z	-7.077	-9.996	0	%100 %100
67	M163A	X	-9.996	-5.771	0	%100 %100
68	M163A	Z	-5.771	-9.996	0	%100
69	M164A	X	-9.996	-9.996	0	%100 %100
70	M164A	Z	-5.771		0	%100 %100
71	M165A	X	0	0	0	%100
72	M165A	Z	0			%100
73	M171A	X	-12.497	-12.497	0	%100 %100
74	M171A	Z	-7.215	-7.215		%100 %100
75	M173A	X	-3.051	-3.051	0	%100 %100
76	M173A	Z	-1.761	-1.761	0	%100 %100
77	M177A	X	-3.051	-3.051	0	%100 %100
78	M177A	Z	-1.761	-1.761	0	%100 %100
79	M179A	X	-12.497	-12.497	0	
80	M179A	Z	-7.215	-7.215	0	%100
81	M183A	X	-3.199	-3.199	0	%100
82	M183A	Z	-1.847	-1.847	0	%100
83	M185A	X	-3.199	-3.199	0	%100
84	M185A	Z	-1.847	-1.847	0	%100
85	M189A	X	-3.064	-3.064	0	%100
86	M189A	Z	-1.769	-1.769	0	%100
87	M190A	X	-3.064	-3.064	0	%100
88	M190A	Z	-1.769	-1.769	0	%100
89	M191A	X	-12.258	-12.258	0	%100
90	M191A	Z	-7.077	-7.077	0	%100
91	MP3C	X	-8.904	-8.904	0	%100
92	MP3C	Z	-5.141	-5.141	0	%100
93	MP2C	X	-10.779	-10.779	0	%100
94	MP2C	Z	-6.223	-6.223	0	%100
95	MP1C	X	-8.904	-8.904	0	%100
96	MP1C	Z	-5.141	-5.141	0	%100
97	MP3B	X	-8.904	-8.904	0	%100
98	MP3B	Z	-5.141	-5.141	0	%100
99	MP2B	X	-10.779	-10.779	0	%100
100	MP2B	Z	-6.223	-6.223	0	%100
101	MP1B	X	-8.904	-8.904	0	%100
102	MP1B	Z	-5.141	-5.141	0	%100
103	M104	X	-2.695	-2.695	0	%100
104	M104	Z	-1.556	-1.556	0	%100
105	M109	X	-2.695	-2.695	0	%100
106	M109	Z	-1.556	-1.556	0	%100
107	M114	X	-10.779	-10.779	0	%100
	M114	Z	-6.223	-6.223	0	%100
108	M115	X	-3.174	-3.174	0	%100
109	M115	Z	-1.833	-1.833	0	%100
110		X	-12.696	-12.696	0	%100
111	M116	Z	-7.33	-7.33	0	%100
112	M116	X	-3.174	-3.174	0	%100
113	M117		-1.833	-1.833	0	%100
114	M117	Z	-7.281	-7.281	0	%100
115 116	OVP OVP	Z	-4.204	-4.204	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[ib/ft,	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.402	-5.402	0	%100
2	M1	Z	-9.357	-9.357	0	%100
3	MP3A	X	-5.141	-5.141	0	%100
4	MP3A	Z	-8.904	-8.904	0	%100
5	MP4A	X	-5.141	-5.141	0	%100
6	MP4A	Z	-8.904	-8.904	0	%100
7	MP2A	X	-6.223	-6.223	0	%100
8	MP2A	Z	-10.779	-10.779	0	%100
9	MP1A	X	-5.141	-5.141	0	%100
10	MP1A	Z	-8.904	-8.904	0	%100
11	M109A	X	0	0	0	%100
12	M109A	Z	0	0	0	%100
13	MP4C	X	-5.141	-5.141	0	%100
14	MP4C	Z	-8.904	-8.904	0	%100
15	M118A	X	-5.402	-5.402	0	%100
16	M118A	Z	-9.357	-9.357	0	%100
17	MP4B	X	-5.141	-5.141	0	%100
18	MP4B	Z	-8.904	-8.904	0	%100
19	M127A	X	-12.988	-12.988	0	%100
20	M127A	Z	-22.495	-22.495	0	%100
21	M128A	X	-9.921	-9.921	0	%100
22	M128A	Z	-17.184	-17.184	0	%100
23	M130A	X	-10.45	-10.45	0	%100
24	M130A	Z	-18.099	-18.099	0	%100
25	M132A	X	-3.247	-3.247	0	%100
26	M132A	Z	-5.624	-5.624	0	%100
27	M133A	X	-9.921	-9.921	0	%100
28	M133A	Z	-17.184	-17.184	0	%100
29	M135A	X	-10.45	-10.45	0	%100
30	M135A	Z	-18.099	-18.099	0	%100
31	M137A	X	-3.247	-3.247	0	%100
32	M137A	Z	-5.624	-5.624	0	%100
33	M138A	X	0	0	0	%100
34	M138A	Z	0	0	0	%100
35	M140A	X	0	0	0	%100
36	M140A	Z	0	0	0	%100
37	M142A	X	-3.247	-3.247	0	%100
38	M142A	Z	-5.624	-5.624	0	%100
39	M143A	X	0	0	0	%100
40	M143A	Z	0	0	0	%100
41	M145A	X	0	0	0	%100
42	M145A	Z	0	0	0	%100
43	M147A	X	-3.247	-3.247	0	%100
44	M147A	Z	-5.624	-5.624	0	%100
45	M148A	X	-9.921	-9.921	0	%100
46	M148A	Z	-17.184	-17.184	0	%100
47	M150A	X	-10.45	-10.45	0	%100
48	M150A	Z	-18.099	-18.099	Ö	%100
49	M152A	X	-12.988	-12.988	0	%100
50	M152A	Z	-22.495	-22.495	0	%100
51	M153A	X	-9.921	-9.921	0	%100
52	M153A	Z	-17.184	-17.184	Ō	%100
53	M155A	X	-10.45	-10.45	Ö	%100
54	M155A	Z	-18.099	-18.099	0	%100
55	M157A	X	0	0	0	%100
56	M157A	Z	0	0	Ö	%100
57	M158A	X	-9.741	-9.741	Ö	%100
58	M158A	Z	-16.871	-16.871	Ö	%100
59	M159A	X	-9.741	-9.741	0	%100

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

00 [Member Label	Direction	Start Magnitude[lb/ft	-16.871	Start Location[it.76]	End Location(ft.9
60	M159A	X	0	0	0	%100
61	M160A	Ž	0	0	0	%100
32	M160A	X	-5.308	-5.308	0	%100
33	M161A	Z	-9.193	-9.193	0	%100
64	M161A	X	-5.308	-5.308	0	%100
35	M162A	Z	-9.193	-9.193	0	%100
36	M162A	X	-1.924	-1.924	0	%100
37	M163A	Ž	-3.332	-3.332	0	%100
38	M163A		-7.695	-7.695	0	%100
69	M164A	Z	-13.328	-13.328	0	%100
70	M164A	X	-1.924	-1.924	0	%100
71	M165A	Ž	-3.332	-3.332	0	%100
72	M165A	X	-5.454	-5.454	0	%100
73	M171A	Ž	-9.447	-9.447	0	%100
74	M171A	X	000338	000338	0	%100
75	M173A		000586	000586	0	%100
76	M173A	Z X	-5.369	-5.369	0	%100
77	M177A		-9.299	-9.299	0	%100
78	M177A	Z	-5.369	-5.369	Ö	%100
79	M179A	X	-9.299	-9.299	0	%100
30	M179A	Z	000338	000338	0	%100
31	M183A	X	000586	000586	0	%100
32	M183A	Z	-5.454	-5.454	Ö	%100
83	M185A	X	-9.447	-9.447	T O AG	%100
84	M185A	Z		0	Ö	%100
35	M189A	X	0	0	Ů,	%100
86	M189A	Z	-5.308	-5.308	0	%100
87	M190A	X		-9.193	0	%100
88	M190A	Z	-9.193	-5.308	0	%100
89	M191A	X	-5.308	-9.193	Ö	%100
90	M191A	Z	-9.193	-5.141	0	%100
91	MP3C	X	-5.141	-8.904	0	%100
92	MP3C	Z	-8.904		0	%100
93	MP2C	X	-6.223	-6.223 -10.779	0	%100
94	MP2C	Z	-10.779		0	%100
95	MP1C	X	-5.141	-5.141	0	%100
96	MP1C	Z	-8.904	-8.904	0	%100
97	MP3B	X	-5.141	-5.141	0	%100
98	MP3B	Z	-8.904	-8.904	0	%100 %100
99	MP2B	X	-6.223	-6.223	0	%100 %100
100	MP2B	Z	-10.779	-10.779	0	%100 %100
101	MP1B	X	-5.141	-5.141		%100 %100
102	MP1B	Z	-8.904	-8.904	0	%100 %100
103	M104	X	-4.667	-4.667		%100
104	M104	Z	-8.084	-8.084	0	%100 %100
105	M109	X	0	0	0	%100 %100
106	M109	Z	0	0	0	%100 %100
107	M114	X	-4.667	-4.667	0	%100 %100
108	M114	Z	-8.084	-8.084	0	
109	M115	X	0	0	0	%100 %400
110	M115	Z	0	0	0	%100
111	M116	X	-5.498	-5.498	0	%100
112	M116	Z	-9.522	-9.522	0	%100
113	M117	X	-5.498	-5.498	0	%100
114	M117	Z	-9.522	-9.522	0	%100
115	OVP	X	-4.204	-4.204	0	%100
116	OVP	Z	-7.281	-7.281	0	%100

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

T 1	Member Label	Direction		End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-4.406	-4.406	0	%100
3	MP3A	X	0	0	0	%100
4	MP3A	Z	-3.56	-3.56	0	%100
5	MP4A	X	0	0	0	%100
6	MP4A	Z	-3.56	-3.56	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	-3.936	-3.936	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	-3.56	-3.56	0	%100
11	M109A	X	0	0	0	%100
12	M109A	Z	-1.101	-1.101	0	%100
13	MP4C	X	0	0	0	%100
14	MP4C	Z	-3.56	-3.56	0	%100
15	M118A	X	0	0	0	%100
16	M118A	Z	-1.101	-1.101	0	%100
17	MP4B	X	0	0	0	%100
18	MP4B	Z	-3.56	-3.56	0	%100
19	M127A	X	0.00	0	0	%100
20	M127A	Z	-4.159	-4.159	0	
21	M128A	X	0	-4.159	0	%100
22	M128A	Z	-5.629	-5.629		%100
23	M130A	X	-5.029		0	%100
24	M130A	Ž	-5.873	0	0	%100
25	M132A	X		-5.873	0	%100
26	M132A		0	0	0	%100
27	M133A	Z	-4.159	-4.159	0	%100
28		X	0	0	0	%100
	M133A	Z	-5.629	-5.629	0	%100
29	M135A	X	0	0	0	%100
30	M135A	Z	-5.873	-5.873	0	%100
31	M137A	X	0	0	0	%100
32	M137A	Z	-4.159	-4.159	0	%100
33	M138A	X	0	0	0	%100
34	M138A	Z	-1.407	-1.407	0	%100
35	M140A	X	0	0	0	%100
36	M140A	Z	-1.468	-1.468	0	%100
37	M142A	X	0	0	0	%100
38	M142A	Z	0	0	0	%100
39	M143A	X	0	0	0	%100
40	M143A	Z	-1.407	-1.407	0	%100
41	M145A	X	0	0	0	%100
42	M145A	Z	-1.468	-1.468	Ö	%100
43	M147A	X	0	0	0	%100
44	M147A	Z	0	0	ő	%100
45	M148A	X	0	0	0	%100 %100
46	M148A	Z	-1.407	-1.407	0	%100
47	M150A	X	0	0	0	%100 %100
48	M150A	Z	-1.468	-1.468	0	
49	M152A	X	0	-1.408	0	%100 %100
50	M152A	Z	-4.159			%100
51	M153A	X		-4.159	0	%100
52	M153A	Z	1 407	0	0	%100
53	M155A M155A	X	-1.407	-1.407	0	%100
54			0	0	0	%100
	M155A	Z	-1.468	-1.468	0	%100
55	M157A	X	0	0	0	%100
56	M157A	Z	-1.412	-1.412	0	%100
57	M158A	X	0	0	0	%100
58	M158A	Z	-5.646	-5.646	0	%100
59	M159A	X	0	0	0	%100

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

	Member Label	Direction		.End Magnitude[lb/ft	Start Location[ft.%]	End Location[ft,%] %100
60	M159A	Z	-1.412	-1.412	0	%100 %100
61	M160A	X	0	0	0	%100 %100
32	M160A	Z	952	952	0	%100 %100
33	M161A	X	0	0	0	%100
34	M161A	Z	-3.807	-3.807	0	%100
35	M162A	X	0	0	0	
36	M162A	Z	952	952	0	%100
67	M163A	X	0	0	0	%100
68	M163A	Z	0	0	0	%100
69	M164A	X	0	0	0	%100
70	M164A	Z	-3.335	-3.335	0	%100
71	M165A	X	0	0	0	%100
72	M165A	Z	-3.335	-3.335	0	%100
73	M171A	X	0	0	0	%100
74	M171A	Z	-1.064	-1.064	0	%100
	M173A	X	0	0	0	%100
75	M173A	Ž	-1.064	-1.064	0	%100
76	M177A	X	0	0	0	%100
77		Z	-4.156	-4.156	0	%100
78	M177A	X	0	0	0	%100
79	M179A	Z	-1.015	-1.015	0	%100
80	M179A	X	0	0	0	%100
81	M183A	Ž	-1.015	-1.015	0	%100
82	M183A	X	0	0	0	%100
83	M185A		-4.156	-4.156	0	%100
84	M185A	Z	0	0	0	%100
85	M189A	X	952	952	0	%100
86	M189A	Z		0	0	%100
87	M190A	X	-3.807	-3.807	0	%100
88	M190A	Z	-3.607	0	0	%100
89	M191A	X	952	952	0	%100
90	M191A	Z		0	0	%100
91	MP3C	X	0	-3.56	0	%100
92	MP3C	Z	-3.56	-5.50	0	%100
93	MP2C	X	0	-3.936	0	%100
94	MP2C	Z	-3.936	-3.930	0	%100
95	MP1C	X	0		0	%100
96	MP1C	Z	-3.56	-3.56	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-3.56	-3.56	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-3.936	-3.936	0	%100
101	MP1B	X	0	0		%100
102	MP1B	Z	-3.56	-3.56	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-3.936	-3.936	0	
105	M109	X	0	0	0	%100
106	M109	Z	984	984	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	984	984	0	%100
109	M115	X	0	0	0	%100
	M115	Z	- 937	937	0	%100
110	M115 M116	X	0	0	0	%100
111		Ž	937	937	0	%100
112	M116	X	0	0	0	%100
113	M117	Z	-3.748	-3.748	0	%100
114	M117	X	-3.748	0	0	%100
115	OVP		-2.914	-2.914	Ü	%100

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

1	Member Label M1	Direction X	Start Magnitude[ib/ft,	End Magnitude[lb/ft, 1.652	Start Location[ft,%]	End Location[ft,%]
2	M1	Z	-2.862	-2.862	0	%100 %100
3	MP3A	X	1.78	1.78	0	%100
4	MP3A	Z	-3.083	-3.083	0	%100 %100
5	MP4A	X	1.78	1.78	0	
6	MP4A	Z	-3.083	-3.083	0	%100
7	MP2A	X	1.968	1.968	0	%100
8	MP2A	Z	-3.409	-3.409	0	%100
9	MP1A	X	1.78	1.78	0	%100
10	MP1A	Z	-3.083	-3.083	0	%100
11	M109A	X	1.652	1.652	0	%100
12	M109A	Ž	-2.862	-2.862	0	%100
13	MP4C	X	1.78	1.78	0	%100
14	MP4C	Z	-3.083	-3.083	0	%100
15	M118A	X	0	0		%100
16	M118A	Z	0	0	0	%100
17	MP4B	X	1.78	1.78		%100
18	MP4B	Z	-3.083	-3.083	0	%100
19	M127A	X	.693	.693	0	%100
20	M127A	Z	-1.201	-1.201	0	%100
21	M128A	X	2.111	2.111	0	%100
22	M128A	Z	-3.656	-3.656	0	%100
23	M130A	X	2.202	2.202	0	%100
24	M130A	Z	-3.815		0	%100
25	M132A	X	2.773	-3.815	0	%100
26	M132A	Z	-4.802	2.773	0	%100
27	M133A	X	2.111	-4.802 2.111	0	%100
28	M133A	Z	-3.656	-3.656	0	%100
29	M135A	X	2.202		0	%100
30	M135A	Z	-3.815	2.202	0	%100
31	M137A	X	2.773	-3.815	0	%100
32	M137A	Ž	-4.802	2.773	0	%100
33	M138A	X	2.111	-4.802 2.111	0	%100
34	M138A	Z	-3.656		0	%100
35	M140A	X	2.202	-3.656	0	%100
36	M140A	Z	-3.815	2.202	0	%100
37	M142A	X	.693	-3.815	0	%100
38	M142A	Ž	-1.201	.693 -1.201	0	%100
39	M143A	X	2.111	2.111	0	%100
40	M143A	Z	-3.656	-3.656	0	%100
41	M145A	X	2.202		0	%100
42	M145A	Ž	-3.815	2.202 -3.815	0	%100
43	M147A	X	.693		0	%100
44	M147A	Z	-1.201	.693 -1.201	0	%100
45	M148A	X	0		0	%100
46	M148A	Ž	0	0	0	%100
47	M150A	X	0	0	0	%100
48	M150A	Z	0	0	0	%100
49	M152A	X	.693	0	0	%100
50	M152A	Z	-1.201	.693	0	%100
51	M153A	X	-1.201	-1.201	0	%100
52	M153A	Z	0	0	0	%100
53	M155A	X	0	0	0	%100
54	M155A	Z		0	0	%100
55	M157A	X	0	0	0	%100
56	M157A	Z	2.117	2.117	0	%100
57	M158A	X	-3.667	-3.667	0	%100
58	M158A	Z	2.117	2.117	0	%100
59	M159A	X	-3.667	-3.667	0	%100
			0	0	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	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	0	0	0	%100
61	M160A	X	1.428	1.428	0	%100
62	M160A	Z	-2.473	-2.473	0	%100
63	M161A	X	1.428	1.428	0	%100
	M161A	Z	-2.473	-2.473	0	%100
64	M162A	X	0	0	0	%100
65		Z	0	0	0	%100
66	M162A	X	.556	.556	0	%100
67	M163A	Z	963	963	0	%100
68	M163A	X	.556	.556	0	%100
69	M164A	Ž	963	963	0	%100
70	M164A		2.224	2.224	0	%100
71	M165A	X	-3.851	-3.851	0	%100
72	M165A	Z	9.7e-5	9.7e-5	0	%100
73	M171A	X		000169	0 10	%100
74	M171A	Z	000169	1.571	0	%100
75	M173A	X	1.571	-2.721	0	%100
76	M173A	Z	-2.721	1.571	0	%100
77	M177A	X	1.571		0	%100
78	M177A	Z	-2.721	-2.721	0	%100
79	M179A	X	9.7e-5	9.7e-5	0	%100
80	M179A	Z	000169	000169		%100
81	M183A	X	1.546	1.546	0	%100
82	M183A	Z	-2.678	-2.678	0	%100
83	M185A	X	1.546	1.546	0	
84	M185A	Z	-2.678	-2.678	0	%100
85	M189A	X	1.428	1.428	0	%100
86	M189A	Z	-2.473	-2.473	0	%100
87	M190A	X	1.428	1.428	0	%100
88	M190A	Z	-2.473	-2.473	0	%100
89	M191A	X	0	0	0	%100
90	M191A	Z	0	0	0	%100
91	MP3C	X	1.78	1.78	0	%100
92	MP3C	Z	-3.083	-3.083	0	%100
93	MP2C	X	1.968	1.968	0	%100
	MP2C	Z	-3.409	-3.409	0	%100
94	MP1C	X	1.78	1.78	0	%100
95	MP1C	Z	-3.083	-3.083	0	%100
96	MP3B	X	1.78	1.78	0	%100
97	MP3B	Ž	-3.083	-3.083	0	%100
98		X	1.968	1.968	0	%100
99	MP2B MP2B	Z	-3.409	-3.409	0	%100
100		X	1.78	1.78	0	%100
101	MP1B	Z	-3.083	-3.083	0	%100
102	MP1B	X	1.476	1.476	0	%100
103	M104	Z	-2.556	-2.556	0	%100
104	M104		1.476	1.476	0	%100
105	M109	X	-2.556	-2.556	0	%100
106	M109	Z		0	0	%100
107	M114	X	0	0	0	%100
108	M114	Z		1.406	0	%100
109	M115	X	1.406		0	%100
110	M115	Z	-2.434	-2.434	0	%100 %100
111	M116	X	0	0	0	%100
112	M116	Z	0	0	0	%100 %100
113	M117	X	1.406	1.406		%100
114	M117	Z	-2.434	-2.434	0	
115	OVP	X	1.457	1.457	0	%100
116	OVP	Z	-2.524	-2.524	0	%100

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

1	Member Label M1	Direction		End Magnitude[lb/ft,		End Location[ft,%]
2	M1	Z	.954	.954	0	%100
3	MP3A	X	551	551	0	%100
4	MP3A	Ž	3.083	3.083	0	%100
5	MP4A	X	-1.78	-1.78	0	%100
6	MP4A	Ž	3.083	3.083	0	%100
7	MP2A	X	3.409	-1.78	0	%100
8	MP2A	Z		3.409	0	%100
9	MP1A	X	-1.968	-1.968	0	%100
10	MP1A	Z	3.083 -1.78	3.083	0	%100
11	M109A	X	3.815	-1.78	0	%100
12	M109A	Ž	-2.203	3.815	0	%100
13	MP4C	X	3.083	-2.203	0	%100
14	MP4C	Z	-1.78	3.083	0	%100
15	M118A	X	.954	-1.78	0	%100
16	M118A	Z	551	.954	0	%100
17	MP4B	X		551	0	%100
18	MP4B	Ž	3.083 -1. 7 8	3.083	0	%100
19	M127A	X	0	-1.78	0	%100
20	M127A	Z	0	0	0	%100
21	M128A	X	1.219	1.219	0	%100
22	M128A	Z	704		0	%100
23	M130A	X	1.272	704	0	%100
24	M130A	Ž	734	1.272	0	%100
25	M132A	X	3.602	734	0	%100
26	M132A	Z	-2.079	3.602	0	%100
27	M133A	X	1.219	-2.079	0	%100
28	M133A	Ž	704	1.219	0	%100
29	M135A	X	1.272	704 1.272	0	%100
30	M135A	Z	734	734	0	%100
31	M137A	X	3.602	3.602	0	%100
32	M137A	Z	-2.079	-2.079	0	%100
33	M138A	X	4.874	4.874		%100
34	M138A	Z	-2.814	-2.814	0	<u>%100</u>
35	M140A	X	5.086	5.086	0	%100
36	M140A	Z	-2.937	-2.937	0	<u>%100</u>
37	M142A	X	3.602	3.602	0	%100 %100
38	M142A	Z	-2.079	-2.079	0	%100 %100
39	M143A	X	4.874	4.874	0	%100 %100
40	M143A	Z	-2.814	-2.814	0	%100
41	M145A	X	5.086	5.086	0	%100
42	M145A	Z	-2.937	-2.937	0	%100 %100
43	M147A	X	3.602	3.602	0	%100 %100
44	M147A	Z	-2.079	-2.079	0	%100 %100
45	M148A	X	1.219	1.219	0	%100 %100
46	M148A	Z	704	704	0	%100 %100
47	M150A	X	1.272	1.272	0	%100 %100
48	M150A	Z	734	734	0	%100
49	M152A	X	0	0	0	%100
50	M152A	Z	0	ő	0	%100 %100
51	M153A	X	1.219	1.219	0	%100 %100
52	M153A	Z	704	704	0	%100 %100
53	M155A	X	1.272	1.272	0	%100 %100
54	M155A	Z	734	734	0	%100 %100
55	M157A	X	4.89	4.89	0	%100 %100
56	M157A	Z	-2.823	-2.823	0	%100 %100
57	M158A	X	1.222	1.222	0	%100 %100
58	M158A	Z	706	706	0	%100 %100
59	M159A	X	1.222	1.222	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,	Start Location[ft,%]	End Location[ft.9
60	M159A	Z	706	706	0	%100 %100
61	M160A	X	3.297	3.297	0	%100
62	M160A	Z	-1.904	-1.904	0	%100
33	M161A	X	.824	.824	0	%100
34	M161A	Z	476	476	0	%100
35	M162A	X	.824	.824	0	%100
36	M162A	Z	476	476	0	%100
	M163A	X	2.888	2.888	0	%100
37	M163A	Z	-1.668	-1.668	0	%100
88	M164A	X	0	0	0	%100
39		Z	0	0	0	%100
70	M164A	X	2.888	2.888	0	%100
71	M165A	Z	-1.668	-1.668	0	%100
72	M165A		.879	.879	0	%100
73	M171A	X	507	507	0	%100
74	M171A	Z		3.599	0	%100
75	M173A	X	3.599		O O	%100
76	M173A	Z	-2.078	-2.078	0	%100 %100
77	M177A	X	.921	.921	0	%100 %100
78	M177A	Z	532	532		%100 %100
79	M179A	X	.921	.921	0	%100 %100
30	M179A	Z	532	532	0	
31	M183A	X	3.599	3.599	0	%100
32	M183A	Z	-2.078	-2.078	0	%100
33	M185A	X	.879	.879	0	%100
34	M185A	Z	507	507	0	%100
35	M189A	X	3.297	3.297	0	%100
36	M189A	Z	-1.904	-1.904	0	%100
37	M190A	X	.824	.824	0	%100
38	M190A	Z	476	476	0	%100
	M191A	X	.824	.824	0	%100
39		Z	476	476	0	%100
90	M191A	X	3.083	3.083	0	%100
91	MP3C	Z	-1.78	-1.78	0	%100
92	MP3C	X	3.409	3.409	0	%100
93	MP2C		-1.968	-1.968	0	%100
94	MP2C	Z		3.083	0	%100
95	MP1C	X	3.083	-1.78	0 0	%100
96	MP1C	Z	-1.78		0	%100
97	MP3B	X	3.083	3.083	0	%100
98	MP3B	Z	-1.78		0	%100
99	MP2B	X	3.409	3.409	0	%100 %100
00	MP2B	Z	-1.968	-1.968		%100 %100
01	MP1B	X	3,083	3.083	0	%100 %100
02	MP1B	Z	-1.78	-1.78	0	
03	M104	X	.852	.852	0	%100
04	M104	Z	492	492	0	%100
05	M109	X	3.409	3.409	0	%100
06	M109	Z	-1.968	-1.968	0	%100
07	M114	X	.852	.852	0	%100
08	M114	Z	492	492	0	%100
	M115	X	3.246	3.246	0	%100
09	M115	Z	-1.874	-1.874	0	%100
10		X	.811	.811	0	%100
11	M116	Z	469	469	0	%100
112	M116		.811	.811	0	%100
13	M117	X		469	0	%100
14	M117	Z	469	2.524	0	%100
15	OVP	X	2.524		0	%100
16	OVP	Z	-1.457	-1.457	1 0	70100

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

1	Member Label M1	Direction X		End Magnitude[lb/ft		End Location[ft,%]
2	M1	Z	0	0	0	%100
3	MP3A	X	3.56	3.56	0	%100
4	MP3A	Z	0	0	0	%100
5	MP4A	X	3.56	3.56	0	%100
6	MP4A	Z	0	0	0 40	%100
7	MP2A	X	3.936	3.936	0	%100 %100
8	MP2A	Ž	0.555	0	0	%100 %100
9	MP1A	X	3.56	3.56	0	%100 %100
10	MP1A	Z	0	0	0	%100 %100
11	M109A	X	3.304	3.304	0	%100 %100
12	M109A	Z	0	0	0	%100 %100
13	MP4C	X	3.56	3.56	0	%100 %100
14	MP4C	Z	0	0	0	%100 %100
15	M118A	X	3.304	3.304	0	%100
16	M118A	Z	0	0	0	%100 %100
17	MP4B	X	3.56	3.56	0	%100
18	MP4B	Z	0	0	0	%100
19	M127A	X	1.386	1.386	0	%100
20	M127A	Z	0	0	0	%100
21	M128A	X	0	0	0	%100
22	M128A	Z	0	0	0	%100
23	M130A	X	0	0	0	%100
24	M130A	Z	0	0	0	%100
25	M132A	X	1.386	1.386	0	%100
26	M132A	Z	0	0	0	%100
27	M133A	X	0	0	0	%100
28	M133A	Z	0	0	0	%100
29	M135A	X	0	0	0	%100
30	M135A	Z	0	0	0	%100
31	M137A	X	1.386	1.386	0	%100
32	M137A	Z	0	0	0	%100
33	M138A	X	4.221	4.221	0	%100
34	M138A	Z	0	0	0	%100
35	M140A	X	4.405	4.405	0	%100
36	M140A	Z	0	0	0	%100
37	M142A	X	5.545	5.545	0	%100
38	M142A	Z	0	0	0	%100
39	M143A	X	4.221	4.221	0	%100
40	M143A	Z	0	0	0	%100
41 42	M145A	X	4.405	4.405	0	%100
	M145A	Z	0	0	0	%100
43	M147A M147A	X	5.545	5.545	0	%100
45	M148A	Z	0	0	0	%100
46		X	4.221	4.221	0	%100
47	M148A	Z	0	0	0	%100
48	M150A M150A	Z	4.405	4.405	0	%100
49			0	0	0	%100
50	M152A M152A	X	1.386	1.386	0	%100
51	M153A	Z	0	0	0	%100
52	M153A M153A	Z	4.221	4.221	0	%100
53	M155A M155A		0	0	0	%100
54	M155A M155A	X	4.405	4.405	0	%100
55	M157A	Z	0	0	0	%100
56	M157A	X	4.235	4.235	0	%100
57		Z	0	0	0	%100
58	M158A M158A	Z	0	0	0	%100
59	M159A	X	0	0	0	%100
	IVITUOA	_ ^	4.235	4.235	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,.	Start Location[ft,%]	End Location[ft,%
60	M159A	Z	0	0	0	%100
31	M160A	X	2.855	2.855	0	%100
2	M160A	Z	0	0	0	%100
3	M161A	X	0	0	0	%100
4	M161A	Z	0	0	0	%100
55	M162A	X	2.855	2.855	0	%100
	M162A	Z	0	0	0	%100
66	M163A	X	4.447	4.447	0	%100
	M163A	Z	0	0	0	%100
88	M164A	X	1.112	1.112	0	%100
9	M164A	Z	0	0	0	%100
0		X	1.112	1.112	0	%100
1	M165A	Z	0	0	0	%100
2	M165A	X	3.093	3.093	0	%100
3	M171A	Ž	0	0	0	%100
4	M171A	X	3.093	3.093	0	%100
75	M173A	ż	0	0.000	0	%100
6	M173A		.000195	.000195	0	%100
77	M177A	X	0	0	T O AN	%100
78	M177A	Z	3.142	3.142	0	%100
79	M179A	X		0	0 4	%100
30	M179A	Z	0	3.142	0	%100
31	M183A	X	3.142	0	0	%100
32	M183A	Z	0	.000195	0	%100
33	M185A	X	.000195	.000195	0	%100
34	M185A	Z	0		0	%100
35	M189A	X	2.855	2.855	0	%100
36	M189A	Z	0	0	0	%100
37	M190A	X	0	0	0	%100
38	M190A	Z	0	0	0	%100
39	M191A	X	2.855	2.855	0	%100
90	M191A	Z	0	0		%100
91	MP3C	X	3.56	3.56	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	3.936	3.936	0	%100 %100
94	MP2C	Z	0	0	0	
95	MP1C	X	3.56	3.56	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	3.56	3.56	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	3.936	3.936	0	%100
00	MP2B	Z	0	0	0	%100
01	MP1B	X	3.56	3.56	0	%100
02	MP1B	Z	0	0	0	%100
03	M104	X	0	0	0	%100
04	M104	Z	0	0	0	%100
05	M109	X	2.952	2.952	0	%100
	M109	Z	0	0	0	%100
06	M114	X	2.952	2.952	0	%100
07	M114	Z	0	0	0	%100
80		X	2.811	2.811	0	%100
09	M115	Ž	0	0	0	%100
10	M115	X	2.811	2.811	0	%100
11	M116	Z	0	0	0	%100
12	M116		0	0	0	%100
13	M117	X	0	0	0	%100
114	M117	Z		2.914	0	%100
115	OVP	X Z	2.914	0	0	%100

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July 3, 2023 4:24 PM Checked By:___

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

	Member Label	Direction	Start Magnitude[lb/ft,.	End Magnitude[ib/ft	Start Location[ft,%]	End Location[ft,%]
1	<u>M1</u>	X	.954	.954	0	%100
2	M1	Z	.551	.551	0	%100
3	MP3A	X	3.083	3.083	0	%100
4	MP3A	Z	1.78	1.78	0	%100
5	MP4A	X	3.083	3.083	0	%100
6	MP4A	Z	1.78	1.78	0	%100
7	MP2A	X	3.409	3.409	0	%100
8	MP2A	Z	1.968	1.968	0	%100
9	MP1A	X	3.083	3.083	0	%100
10	MP1A	Z	1.78	1.78	0	%100 %100
11	M109A	X	.954	.954	0	%100
12	M109A	Z	.551	.551	0	%100
13	MP4C	X	3.083	3.083	0	%100 %100
14	MP4C	Z	1.78	1.78	0	
15	M118A	X	3.815	3.815	0	%100 %100
16	M118A	Z	2.203	2.203		%100
17	MP4B	X	3.083		0	%100
18	MP4B	Z	1.78	3.083	0	%100
19	M127A	X		1.78	0	%100
20	M127A	Z	3.602	3.602	0	%100
21	M128A		2.079	2.079	0	%100
22	M128A	Z	1.219	1.219	0	%100
23	M130A		.704	.704	0	%100
		X	1.272	1.272	0	%100
24	M130A	Z	.734	.734	0	%100
25	M132A	X	0	0	0	%100
26	M132A	Z	0	0	0	%100
27	M133A	X	1.219	1.219	0	%100
28	M133A	Z	.704	.704	0	%100
29	M135A	X	1.272	1.272	0	%100
30	M135A	Z	.734	.734	0	%100
31	M137A	X	0	0	0	%100
32	M137A	Z	0	0	0	%100
33	M138A	X	1.219	1.219	0	%100
34	M138A	Z	.704	.704	0	%100
35	M140A	X	1.272	1.272	0	%100
36	M140A	Z	.734	.734	0	%100
37	M142A	X	3.602	3.602	0	%100
38	M142A	Z	2.079	2.079	0	%100
39	M143A	X	1.219	1.219	0	%100
40	M143A	Z	.704	.704	Ö	%100
41	M145A	X	1.272	1.272	0	%100 %100
12	M145A	Z	.734	.734	0	
13	M147A	X	3.602	3.602	0	%100 %100
14	M147A	Z	2.079	2.079		%100
15	M148A	X	4.874		0	%100
16	M148A	Z		4.874	0	<u>%100</u>
17	M150A	X	2.814	2.814	0	%100
18	M150A	Z	5.086	5.086	0	%100
19	M150A M152A		2.937	2.937	0	%100
50		X	3.602	3.602	0	%100
	M152A	Z	2.079	2.079	0	%100
1	M153A	X	4.874	4.874	0	%100
2	M153A	Z	2.814	2.814	0	%100
53	M155A	X	5.086	5.086	0	%100
4	M155A	Z	2.937	2.937	0	%100
5	M157A	X	1.222	1.222	0	%100
6	M157A	Z	.706	.706	0	%100
57	M158A	X	1.222	1.222	0	%100
58	M158A	Z	.706	.706	ő	%100
59	M159A	X	4.89	4.89	0	%100

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

	Member Label	Direction		.End Magnitude[lb/ft	Start Location Itt, 761	End Location[ft,9 %100
60	M159A	Z	2.823 .824	.824	0	%100
61	M160A	X		.476	0	%100
62	M160A	Z	.476	.824	Ö	%100
63	M161A	X	.824	.476	0	%100
64	M161A	Z	.476	3.297	0	%100
65	M162A	X	3.297	1.904	0	%100
66	M162A	Z	1.904	2.888	0	%100
67	M163A	X	2.888		0	%100
68	M163A	Z	1.668	1.668	0	%100
69	M164A	X	2.888	2.888	0	%100
70	M164A	Z	1.668	1.668	0	%100
71	M165A	X	0	0	0	%100 %100
72	M165A	Z	0	0		%100
73	M171A	X	3.599	3.599	0	%100
74	M171A	Z	2.078	2.078	0	%100
75	M173A	X	.879	.879	0	
76	M173A	Z	.507	.507	0	%100 %100
77	M177A	X	.879	.879	0	
78	M177A	Z	.507	.507	0	%100
79	M179A	X	3.599	3.599	0	%100
30	M179A	Z	2.078	2.078	0	%100
31	M183A	X	.921	.921	0	%100
82	M183A	Z	.532	.532	0	%100
83	M185A	X	.921	.921	0	%100
34	M185A	Z	.532	.532	0 45	%100
85	M189A	X	.824	.824	0	%100
86	M189A	Z	.476	.476	0	%100
87	M190A	X	.824	.824	0	%100
88	M190A	Z	.476	.476	0	%100
89	M191A	X	3.297	3.297	0	%100
90	M191A	Z	1.904	1.904	0	%100
91	MP3C	X	3.083	3.083	0	%100
92	MP3C	Z	1.78	1.78	0	%100
93	MP2C	X	3.409	3.409	0	%100
94	MP2C	Z	1.968	1.968	0	%100
95	MP1C	X	3.083	3.083	0	%100
	MP1C	Z	1.78	1.78	0	%100
96 97	MP3B	X	3.083	3.083	0	%100
98	MP3B	Z	1.78	1.78	0	%100
99	MP2B	X	3.409	3.409	0	%100
	MP2B	Z	1.968	1.968	0	%100
100	MP1B	X	3.083	3.083	0	%100
101	MP1B	Z	1.78	1.78	0	%100
102	M104	X	.852	.852	0	%100
103		Z	.492	.492	0	%100
104	M104	X	.852	.852	0	%100
105	M109	Z	.492	.492	0	%100
106	M109	X	3.409	3.409	0	%100
107	M114	Z	1.968	1.968	0	%100
108	M114		.811	.811	0	%100
109	M115	Z	.469	.469	Ö	%100
110	M115		3.246	3.246	0	%100
111	M116	X	1.874	1.874	0	%100
112	M116	Z	.811	.811	Ŏ	%100
113	M117	X		.469	Ö	%100
114	M117	Z	.469	2.524	0	%100
115	OVP	X	2.524	1.457	0	%100
116	OVP	Z	1.457	1.407	J	70100

5000247368-VZW_MT_LO_H

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

1	Member Label M1	Direction	Start Magnitude[lb/ft,	End Magnitude[ib/ft		End Location[ft,%]
2	M1	X	1.652	1.652	0	%100
3	MP3A	Z	2.862	2.862	0	%100
4	MP3A	X	1.78	1.78	0	%100
5		Z	3.083	3.083	0	%100
	MP4A	X	1.78	1.78	0	%100
6	MP4A	Z	3.083	3.083	0	%100
7	MP2A	X	1.968	1.968	0	%100
8	MP2A	Z	3.409	3.409	0	%100
9	MP1A	X	1.78	1.78	0	%100
10	MP1A	Z	3.083	3.083	0	%100
11	M109A	X	0	0	0	%100
12	M109A	Z	0	0	0	%100
13	MP4C	X	1.78	1.78	0	%100
14	MP4C	Z	3.083	3.083	0	%100
15	M118A	X	1.652	1.652	0	%100
16	M118A	Z	2.862	2.862	0	%100
17	MP4B	X	1.78	1.78	0	%100
18	MP4B	Z	3.083	3.083	0	%100 %100
19	M127A	X	2.773	2.773	0	%100 %100
20	M127A	Z	4.802	4.802	0	%100 %100
21	M128A	X	2.111	2.111	0	%100 %100
22	M128A	Z	3.656	3.656	0	%100 %100
23	M130A	X	2.202	2.202	0	%100 %100
24	M130A	Z	3.815	3.815	0	
25	M132A	X	.693	.693		%100
26	M132A	Ž	1.201	1.201	0	%100
27	M133A	X	2.111		0	%100
28	M133A	Z		2.111	0	%100
29	M135A	X	3.656	3.656	0	%100
30	M135A	Z	2.202	2.202	0	%100
31	M137A	X	3.815	3.815	0	%100
32	M137A		.693	.693	0	%100
33	M138A	Z	1.201	1.201	0	%100
34		X	0	0	0	%100
35	M138A	Z	0	0	0	%100
	M140A	X	0	0	0	%100
36	M140A	Z	0	0	0	%100
37	M142A	X	.693	.693	0	%100
38	M142A	Z	1.201	1.201	0	%100
39	M143A	X	0	0	0	%100
40	M143A	Z	0	0	0	%100
41	M145A	X	0	0	0	%100
42	M145A	Z	0	0	0	%100
43	M147A	X	.693	.693	0	%100
44	M147A	Z	1.201	1.201	0	%100
45	M148A	X	2.111	2.111	0	%100
46	M148A	Z	3.656	3.656	0	%100
47	M150A	X	2.202	2.202	0	%100 %100
48	M150A	Z	3.815	3.815	0	%100
49	M152A	X	2.773	2.773	0	%100 %100
50	M152A	Z	4.802	4.802	0	%100 %100
51	M153A	X	2.111	2.111	-0	%100 %100
52	M153A	Z	3.656	3.656	0	%100
53	M155A	X	2.202	2.202	0	%100
54	M155A	Ž	3.815	3.815	0	
55	M157A	X	0			%100
56	M157A	Z	0	0	0	%100
57	M158A	X	2.117	2.117	0	%100
8	M158A	Z	3.667		0	%100
59	M159A	X		3.667	0	%100
	IVITOUR		2.117	2.117	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,% %100
60	M159A	Z	3.667	3.667	0	%100 %100
61	M160A	X	0	0	0	%100
62	M160A	Z	0	0	0	%100
63	M161A	X	1.428	1.428 2.473	0	%100
64	M161A	Z	2.473		0	%100
65	M162A	X	1.428	1.428	0	%100
66	M162A	Z	2.473	2.473	0	%100
67	M163A	X	.556	.556	0	%100
38	M163A	Z	.963	.963	0	%100
69	M164A	X	2.224	2.224	0	%100
70	M164A	Z	3.851	3.851	0	%100
71	M165A	X	.556	.556	0	%100
72	M165A	Z	.963	.963	0	%100
73	M171A	X	1.571	1.571	0	%100
74	M171A	Z	2.721	2.721	0	%100
75	M173A	X	9.7e-5	9.7e-5	0	%100
76	M173A	Z	.000169	.000169	0	%100
77	M177A	X	1.546	1.546	0 10	%100
78	M177A	Z	2.678	2.678	0	%100
79	M179A	X	1.546	1.546	0	%100
30	M179A	Z	2.678	2.678	0	%100
B1	M183A	X	9.7e-5	9.7e-5	0	%100
82	M183A	Z	.000169	.000169	0	%100
83	M185A	X	1.571	1.571	0	%100
84	M185A	Z	2.721	2.721	0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	0	0	0	%100
87	M190A	X	1.428	1.428	Ö	%100
88	M190A	Z	2.473	2.473	0	%100
89	M191A	X	1.428	1.428	0	%100
90	M191A	Z	2.473	2.473		%100
91	MP3C	X	1.78	1.78	0	%100
92	MP3C	Z	3.083	3.083	0	%100
93	MP2C	X	1.968	1.968		%100
94	MP2C	Z	3.409	3.409	0	%100 %100
95	MP1C	X	1.78	1.78	0	%100
96	MP1C	Z	3.083	3.083		%100 %100
97	MP3B	X	1.78	1.78	0	%100
98	MP3B	Z	3.083	3.083	0	%100
99	MP2B	X	1.968	1.968	0	%100
00	MP2B	Z	3.409	3.409	0	%100
01	MP1B	X	1.78	1.78	0	%100
102	MP1B	Z	3.083	3.083	0	%100
103	M104	X	1.476	1.476	0	%100
104	M104	Z	2.556	2,556		%100 %100
105	M109	X	0	0	0	%100
106	M109	Z	0	0	0	%100 %100
107	M114	X	1.476	1.476		%100 %100
108	M114	Z	2.556	2.556	0	%100 %100
109	M115	X	0	0	0	%100
110	M115	Z	0	0	0	
111	M116	X	1.406	1.406	0	%100 %100
112	M116	Z	2.434	2.434	0	%100
113	M117	X	1.406	1.406	0	%100
114	M117	Z	2.434	2.434	0	%100
115	OVP	X	1.457	1.457	0	%100
116	OVP	Z	2.524	2.524	0	%100

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

11	Member Label M1	Direction		End Magnitude[lb/ft,		End Location[ft,%]
2	M1	X	0	0	0	%100
3	MP3A	Z	4.406	4.406	0	%100
4	MP3A	X	0	0	0	%100
5	MP4A	Z	3.56	3.56	0	%100
6	MP4A	X	0	0	0	%100
7	MP2A	Z	3.56	3.56	0	%100
8		X	0	0	0	%100
9	MP2A	Z	3.936	3.936	0	%100
10	MP1A	X	0	0	0	%100
	MP1A	Z	3.56	3.56	0	%100
11	M109A	X	0	0	0	%100
12	M109A	Z	1.101	1.101	0	%100
13	MP4C	X	0	0	0	%100
14	MP4C	Z	3.56	3.56	0	%100
15	M118A	X	0	0	0	%100
16	M118A	Z	1.101	1.101	0	%100
17	MP4B	X	0	0	0	%100
18	MP4B	Z	3.56	3.56	0	%100
19	M127A	X	0	0	0	%100
20	M127A	Z	4.159	4.159	0	%100
21	M128A	X	0	0	0	%100
22	M128A	Z	5.629	5.629	0	%100
23	M130A	X	0	0	0	%100
24	M130A	Z	5.873	5.873	0	%100
25	M132A	X	0	0	0	%100
26	M132A	Z	4.159	4.159	0	%100
27	M133A	X	0	0	0	%100
28	M133A	Z	5.629	5.629	0	%100
29	M135A	X	0	0	0	%100
30	M135A	Z	5.873	5.873	0	%100
31	M137A	X	0	0	0	%100
32	M137A	Z	4.159	4.159	0	%100
33	M138A	X	0	0	0	%100
34	M138A	Z	1.407	1.407	0	%100
35	M140A	X	0	0	0	%100
36	M140A	Z	1.468	1.468	0	%100
37	M142A	X	0	0	0	%100
38	M142A	Z	0	0	0	%100
39	M143A	X	0	0	0	%100
40	M143A	Z	1.407	1.407	0	%100
41	M145A	X	0	0	0	%100
42	M145A	Z	1.468	1.468	0	%100
43	M147A	X	0	0	0	%100
44	M147A	Z	0	0	0	%100
45	M148A	X	0	0	0	%100
46	M148A	Z	1.407	1.407	0	%100
47	M150A	X	0	0	0	%100 %100
48	M150A	Z	1.468	1.468	0	%100
49	M152A	X	0	0	0	%100
50	M152A	Z	4.159	4.159	0	%100
51	M153A	X	0	0	0	%100 %100
52	M153A	Z	1.407	1.407	0	%100
53	M155A	X	0	0	0	%100 %100
54	M155A	Z	1.468	1.468	0	%100 %100
55	M157A	X	0	0	0	%100 %100
56	M157A	Z	1.412	1.412	0	%100
57	M158A	X	0	0	0	%100 %100
58	M158A	Z	5.646	5.646	0	%100 %100
50						

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

	Member Label	Direction		End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%
60	M159A	Z	1.412	1.412	0	%100
61	M160A	X	0	0	0	%100
62	M160A	Z	.952	.952	0	%100
63	M161A	X	0	0	0	%100
64	M161A	Z	3.807	3.807	0	%100
65	M162A	X	0	0	0	%100
66	M162A	Z	.952	.952	0	%100
67	M163A	X	0	0	0	%100
68	M163A	Z	0	0	0	%100
69	M164A	X	0	0	0	%100
70	M164A	Z	3.335	3.335	0	%100
71	M165A	X	0	0	0	%100
72	M165A	Z	3.335	3.335	0	%100
73	M171A	X	0	0	0	%100
74	M171A	Z	1.064	1.064	0	%100
75	M173A	X	0	0	0	%100
76	M173A	Z	1.064	1.064	0	%100
77	M177A	X	0	0	0	%100
78	M177A	Z	4.156	4.156	0	%100
79	M179A	X	0	0	0	%100
80	M179A	Z	1.015	1.015	0	%100
81	M183A	X	0	0	0	%100
82	M183A	Z	1.015	1.015	0	%100
83	M185A	X	0	0	0	%100
84	M185A	Z	4.156	4.156	0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	.952	.952	0	%100
87	M190A	X	0	0	0	%100
88	M190A	Z	3.807	3.807	0	%100
89	M191A	X	0	0	0	%100
90	M191A	Z	.952	.952	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	3.56	3.56	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	3.936	3.936	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	3.56	3.56	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	3.56	3.56	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	3.936	3.936	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	3.56	3.56	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	3.936	3.936	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	.984	.984	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	.984	.984	0	%100
109	M115	X	0	0	0	%100
110	M115	Z	.937	.937	0	%100
111	M116	X	0	0	0	%100
	M116	Z	.937	.937	0	%100
112	M117	X	0	0	0	%100
113	M117	Z	3.748	3.748	0	%100
114	OVP	X	0	0	0	%100
115 116	OVP	Z	2.914	2.914	0	%100

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

4 1	Member Label	Direction		End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.652	-1.652	0	%100
2	M1	Z	2.862	2.862	0	%100
3	MP3A	X	-1.78	-1.78	0	%100
4	MP3A	Z	3.083	3.083	0	%100
5	MP4A	X	-1.78	-1.78	0	%100
6	MP4A	Z	3.083	3.083	0	%100
7	MP2A	X	-1.968	-1.968	0	%100
8	MP2A	Z	3.409	3.409	0	%100
9	MP1A	X	-1.78	-1.78	0	%100
10	MP1A	Z	3.083	3.083	0	%100
11	M109A	X	-1.652	-1.652	0	%100
12	M109A	Z	2.862	2.862	0	%100
13	MP4C	X	-1.78	-1.78	0	%100 %100
14	MP4C	Z	3.083	3.083	0	%100 %100
15	M118A	X	0	0	0	%100
16	M118A	Z	0	ő	0	%100
17	MP4B	X	-1.78	-1.78	0	%100 %100
18	MP4B	Z	3.083	3.083	0	
19	M127A	X	693	693	0	%100 %100
20	M127A	Z	1.201	1.201		
21	M128A	X	-2.111	-2.111	0	%100
22	M128A	Z			0	%100
23	M130A	X	3.656	3.656	0	%100
24	M130A	Z	-2.202	-2.202	0	%100
25			3.815	3.815	0	%100
26	M132A	X	-2.773	-2.773	0	%100
	M132A	Z	4.802	4.802	0	%100
27	M133A	X	-2.111	-2.111	0	%100
28	M133A	Z	3.656	3.656	0	%100
29	M135A	X	-2.202	-2.202	0	%100
30	M135A	Z	3.815	3.815	0	%100
31	M137A	X	-2.773	-2.773	0	%100
32	M137A	Z	4.802	4.802	0	%100
33	M138A	X	-2.111	-2.111	0	%100
34	M138A	Z	3.656	3.656	0	%100
35	M140A	X	-2.202	-2.202	0	%100
36	M140A	Z	3.815	3.815	0	%100
37	M142A	X	693	693	0	%100
38	M142A	Z	1.201	1.201	0	%100
39	M143A	X	-2.111	-2.111	0	%100
40	M143A	Z	3.656	3.656	Ö	%100
41	M145A	X	-2.202	-2.202	Ö	%100 %100
42	M145A	Z	3.815	3.815	0	%100
43	M147A	X	693	693	0	
44	M147A	Z	1.201	1.201	0	%100 %100
45	M148A	X	0			%100
46	M148A	Z	0	0	0	%100
47	M150A	X		0	0	%100
48	M150A	Z	0	0	0	%100
49	M150A M152A		0	0	0	%100
50		X	693	693	0	%100
	M152A	Z	1.201	1.201	0	%100
51	M153A	X	0	0	0	%100
52	M153A	Z	0	0	0	%100
53	M155A	X	0	0	0	%100
54	M155A	Z	0	0	0	%100
55	M157A	X	-2.117	-2.117	0	%100
56	M157A	Z	3.667	3.667	0	%100
57	M158A	X	-2.117	-2.117	0	%100
58	M158A	Z	3.667	3.667	0	%100
59	M159A	X	0	0	0	%100

5000247368-VZW_MT_LO_H

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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	Start Location[ft,%]	End Location[ft,%
60	M159A	Z	0	0	0	%100
61	M160A	X	-1.428	-1.428	0	%100
62	M160A	Z	2.473	2.473	0	%100
63	M161A	X	-1.428	-1.428	0	%100
64	M161A	Z	2.473	2.473	0	%100
65	M162A	X	0	0	0	%100
66	M162A	Z	0	0	0	%100
67	M163A	X	556	556	0	%100
68	M163A	Z	.963	.963	0	%100
	M164A	X	556	556	0	%100
69		Z	.963	.963	0	%100
70	M164A	X	-2.224	-2.224	0	%100
71	M165A	Z	3.851	3.851	0	%100
72	M165A		-9.7e-5	-9.7e-5	0	%100
73	M171A	X	.000169	.000169	0	%100
74	M171A	Z		-1.571	0	%100
75	M173A	X	-1.571	2.721	0	%100
76	M173A	Z	2.721	-1.571	0	%100
77	M177A	X	-1.571		0	%100
78	M177A	Z	2.721	2.721	0	%100
79	M179A	X	-9.7e-5	-9.7e-5		%100 %100
80	M179A	Z	.000169	.000169	0	%100 %100
81	M183A	X	-1.546	-1.546	0	%100 %100
82	M183A	Z	2.678	2.678	0	
83	M185A	X	-1.546	-1.546	0	%100
84	M185A	Z	2.678	2.678	0	%100
85	M189A	X	-1.428	-1.428	0	%100
86	M189A	Z	2.473	2.473	0	%100
87	M190A	X	-1.428	-1.428	0	%100
88	M190A	Z	2.473	2.473	0	%100
89	M191A	X	0	0	0	%100
90	M191A	Z	0	0	0	%100
91	MP3C	X	-1.78	-1.78	0	%100
92	MP3C	Z	3.083	3.083	0	%100
93	MP2C	X	-1.968	-1.968	0	%100
	MP2C	Z	3.409	3.409	0	%100
94	MP1C	X	-1.78	-1.78	0	%100
95		Z	3.083	3.083	0	%100
96	MP1C	X	-1.78	-1.78	0	%100
97	MP3B	Z	3.083	3.083	0	%100
98	MP3B		-1.968	-1.968	0	%100
99	MP2B	X	3.409	3.409	0	%100
100	MP2B	Z	-1.78	-1.78	0	%100
101	MP1B	X 7		3.083	0	%100
102	MP1B	Z	3.083	-1.476	0	%100
103	M104	X	-1.476		0	%100
104	M104	Z	2.556	2.556	0	%100
105	M109	X	-1.476	-1.476	0	%100
106	M109	Z	2.556	2.556	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	0	0		%100 %100
109	M115	X	-1.406	-1.406	0	
110	M115	Z	2.434	2.434	0	%100
111	M116	Х	0	0	0	%100
112	M116	Z	0	0.	0	%100
113	M117	X	-1.406	-1.406	0	%100
114	M117	Z	2.434	2.434	0	%100
115	OVP	X	-1.457	-1.457	0	%100
116	OVP	Z	2.524	2.524	0	%100

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

1	Member Label M1	Direction	Start Magnitude[lb/ft,,,	End Magnitude[lb/ft	Committee of the commit	End Location[ft,%]
2	M1	X 7	954 .551	954	0	%100
3	MP3A	Z X		.551	0	%100
4	MP3A	Ž	-3.083	-3.083	0	%100
5	MP4A		1.78	1.78	0	%100
6	MP4A	Z	-3.083	-3.083	0	%100
7	MP2A		1.78	1.78	0	%100
8	MP2A MP2A	X	-3.409	-3.409	0	%100
9	MP1A	Z	1.968	1.968	0	%100
10	MP1A	X	-3.083	-3.083	0	%100
11		Z	1.78	1.78	0	%100
12	M109A	X	-3.815	-3.815	0	%100
13	M109A	Z	2.203	2.203	0	%100
14	MP4C	X	-3.083	-3.083	0	%100
15	MP4C	Z	1.78	1.78	0	%100
	M118A	X	954	954	0	%100
16	M118A	Z	.551	.551	0	%100
17 18	MP4B	X	-3.083	-3.083	0	%100
	MP4B	Z	1.78	1.78	0	%100
19	M127A	X	0	0	0	%100
20	M127A	Z	0	0	0	%100
21	M128A	X	-1.219	-1.219	0	%100
22	M128A	Z	.704	.704	0	%100
23	M130A	X	-1.272	-1.272	0	%100
24	M130A	Z	.734	.734	0	%100
25	M132A	X	-3.602	-3.602	0	%100
26	M132A	Z	2.079	2.079	0	%100
27	M133A	X	-1.219	-1.219	0	%100
28	M133A	Z	.704	.704	0	%100
29	M135A	X	-1.272	-1.272	0	%100
30	M135A	Z	.734	.734	0	%100
31	M137A	X	-3.602	-3.602	0	%100
32	M137A	Z	2.079	2.079	0	%100
33	M138A	X	-4.874	-4.874	0	%100
34	M138A	Z	2.814	2.814	0	%100
35	M140A	X	-5.086	-5.086	0	%100
36	M140A	Z	2.937	2.937	0	%100
37	M142A	X	-3.602	-3.602	0	%100
38	M142A	Z	2.079	2.079	0	%100
39	M143A	X	-4.874	-4.874	0	%100
40	M143A	Z	2.814	2.814	0	%100
41	M145A	X	-5.086	-5.086	0	%100
42	M145A	Z	2.937	2.937	0	%100
43	M147A	X	-3.602	-3.602	0	%100
44	M147A	Z	2.079	2.079	0	%100
45	M148A	X	-1.219	-1.219	0	%100
46	M148A	Z	.704	.704	0	%100
47	M150A	X	-1.272	-1.272	0	%100
48	M150A	Z	.734	.734	0	%100
49	M152A	X	0	0	. 0	%100
50	M152A	Z	0	0	0	%100
51	M153A	X	-1.219	-1.219	0	%100
52	M153A	Z	.704	.704	Ö	%100
53	M155A	X	-1.272	-1.272	0	%100 %100
54	M155A	Z	.734	.734	Ö	%100 %100
55	M157A	X	-4.89	-4.89	0	%100
56	M157A	Z	2.823	2.823	Ŏ	%100
57	M158A	X	-1.222	-1.222	0	%100
58	M158A	Z	.706	.706	0	%100
59	M159A	X	-1.222	-1.222	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft.9 %100
60	M159A	Z	.706	.706	0	
61	M160A	X	-3.297	-3.297	0	%100 %100
62	M160A	Z	1.904	1.904	0	%100 %100
63	M161A	X	824	824	0	%100
64	M161A	Z	.476	.476	0	%100
65	M162A	X	824	824	0	%100
66	M162A	Z	.476	.476	0	%100
67	M163A	X	-2.888	-2.888	0	%100
68	M163A	Z	1.668	1.668	0	%100
69	M164A	X	0	0	0	%100
70	M164A	Z	0	0	0	%100
71	M165A	X	-2.888	-2.888	0	%100
72	M165A	Z	1.668	1.668	0	%100
73	M171A	X	879	879	0	%100
74	M171A	Z	.507	.507	0	%100
75	M173A	X	-3.599	-3.599	0	%100
76	M173A	Z	2.078	2.078	0	%100
77	M177A	X	921	921	0	%100
78	M177A	Z	.532	.532	0	%100
79	M179A	X	921	921	0	%100
80	M179A	Z	.532	.532	0	%100
81	M183A	X	-3.599	-3.599	0	%100
82	M183A	Z	2.078	2.078	0	%100
83	M185A	X	879	879	0	%100
34	M185A	Z	.507	.507	0	%100
35	M189A	X	-3.297	-3.297	0	%100
86	M189A	Z	1.904	1.904	0	%100
87	M190A	X	824	824	0	%100
88	M190A	Z	.476	.476	0	%100
89	M191A	X	824	824	0	%100
90	M191A	Z	.476	.476	0 01	%100
91	MP3C	X	-3.083	-3.083	0	%100
92	MP3C	Z	1.78	1.78	0	%100
93	MP2C	X	-3.409	-3.409	0	%100
94	MP2C	Z	1.968	1.968	0	%100
95	MP1C	X	-3.083	-3.083	0	%100
96	MP1C	Z	1.78	1.78	0	%100
97	MP3B	X	-3.083	-3.083	0	%100
98	MP3B	Z	1.78	1.78	0	%100
99	MP2B	X	-3.409	-3.409	0	%100
100	MP2B	Z	1.968	1.968	0	%100
101	MP1B	X	-3.083	-3.083	0	%100
02	MP1B	Z	1.78	1.78	0	%100
103	M104	X	852	852	0	%100
104	M104	Z	.492	.492	0	%100
105	M109	X	-3.409	-3.409	0	%100
106	M109	Z	1.968	1.968	0	%100
107	M114	X	852	852	0	%100
108	M114	Z	.492	.492	0	%100
109	M115	X	-3.246	-3.246	0	%100
110	M115	Z	1.874	1.874	0	%100
111	M116	X	811	811	0	%100
112	M116	Z	.469	.469	0	%100
113	M117	X	811	811	0	%100
114	M117	Z	.469	.469	0	%100
115	OVP	X	-2.524	-2.524	0	%100
116	OVP	Z	1.457	1.457	0	%100

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

1	Member Label	Direction		End Magnitude[lb/ft,	A STATE OF THE STA	End Location[ft,%]
	M1	X	0	0	0	%100
3	M1	Z	0	0	0	%100
	MP3A	X	-3.56	-3.56	0	%100
4	MP3A	Z	0	0	0	%100
5	MP4A	X	-3.56	-3.56	0	%100
6	MP4A	Z	0	0	0	%100
7	MP2A	X	-3.936	-3.936	0	%100
8	MP2A	Z	0	0	0	%100
9	MP1A	X	-3.56	-3.56	0	%100
10	MP1A	Z	0	0	0	%100
11	M109A	X	-3.304	-3.304	0	%100
12	M109A	Z	0	0	0	%100
13	MP4C	X	-3.56	-3.56	0	%100
14	MP4C	Z	0	0	0	%100
15	M118A	X	-3.304	-3.304	0	%100
16	M118A	Z	0	0	0	%100
17	MP4B	X	-3.56	-3.56	0	%100
18	MP4B	Z	0	0	Ö	%100
19	M127A	X	-1.386	-1.386	0	%100 %100
20	M127A	Z	0	0	0	%100 %100
21	M128A	X	0	0	0	%100 %100
22	M128A	Z	0	0	0	%100 %100
23	M130A	X	0	0	0	%100 %100
24	M130A	Z	0	0	0	%100 %100
25	M132A	X	-1.386	-1.386	0	%100 %100
26	M132A	Z	0	0	0	%100 %100
27	M133A	X	0	0	0	%100
28	M133A	Z	0	0	0	
29	M135A	X	0	0		%100
30	M135A	Z	0	0	0	%100
31	M137A	X	-1.386		0	%100
32	M137A	Z		-1.386	0	%100
33	M138A	X	-4.221	0	0	%100
34	M138A	Z		-4.221	0	%100
35	M140A	X	0	0	0	%100
36	M140A		-4.405	-4.405	0	%100
37	M142A	Z	0	0	0	%100
38	M142A	Z	-5.545	-5.545	0	%100
39	M143A		0	0	0	%100
40		X	-4.221	-4.221	0	%100
	M143A	Z	0	0	0	%100
41 42	M145A	X	-4.405	-4.405	0	%100
	M145A	Z	0	0	0	%100
43	M147A	X	-5.545	-5.545	0	%100
44	M147A	Z	0	0	0	%100
45	M148A	X	-4.221	-4.221	0	%100
46	M148A	Z	0	0	0	%100
47	M150A	X	-4.405	-4.405	0	%100
48	M150A	Z	0	0	0	%100
49	M152A	X	-1.386	-1.386	0	%100
50	M152A	Z	0	0	0	%100
51	M153A	X	-4.221	-4.221	0	%100
52	M153A	Z	0	0	0	%100
53	M155A	X	-4.405	-4.405	0	%100
54	M155A	Z	0	0	0	%100
55	M157A	X	-4.235	-4.235	0	%100
56	M157A	Z	0	0	0	%100
57	M158A	Х	0	0	0	%100
58	M158A	Z	0	Ö	0	%100
59	M159A	X	-4.235	-4.235	0	%100 %100

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

	Member Label	Direction		End Magnitude(lb/ft,	Start Location[ft,%]	End Location[ft,%
60	M159A	Z	0	0	0	%100 %100
61	M160A	X	-2.855	-2.855	0	%100 %100
62	M160A	Z	0	0	0	%100 %100
63	M161A	X	0	0	0	%100 %100
64	M161A	Z	0	0	0	%100 %100
65	M162A	X	-2.855	-2.855	0	%100
66	M162A	Z	0	0		%100
67	M163A	X	-4.447	-4.447	0	%100
68	M163A	Z	0	0	0	%100 %100
69	M164A	X	-1.112	-1.112	0	%100
70	M164A	Z	0	0		%100 %100
71	M165A	X	-1.112	-1.112	0	%100 %100
72	M165A	Z	0	0	0	
73	M171A	X	-3.093	-3.093	0	%100
74	M171A	Z	0	0	0	%100
75	M173A	X	-3.093	-3.093	0	%100
76	M173A	Z	0	0	0	%100 %100
77	M177A	X	000195	000195	0	%100 %100
78	M177A	Z	0	0	0	%100 %100
79	M179A	X	-3.142	-3.142	0	%100
80	M179A	Z	0	0	0	%100
81	M183A	X	-3.142	-3.142	0	%100
82	M183A	Z	0	0	0	%100
83	M185A	X	000195	000195	0	%100
84	M185A	Z	0	0	0	%100
35	M189A	X	-2.855	-2.855	0	%100
86	M189A	Z	0	0	0	%100
87	M190A	X	0	0	0	%100
88	M190A	Z	0	0	0	%100
89	M191A	X	-2.855	-2.855	0	%100
90	M191A	Z	0	0	0	%100
91	MP3C	X	-3.56	-3.56	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	-3.936	-3.936	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-3.56	-3.56	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	-3.56	-3.56	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	-3.936	-3.936	0	%100
100	MP2B	Z	0	0	0	%100
01	MP1B	X	-3.56	-3.56	0	%100
02	MP1B	Z	0	0	0	%100
03	M104	Х	0	0	0	%100
104	M104	Z	0	0	0	%100
05	M109	X	-2.952	-2.952	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	-2.952	-2.952	0	%100
108	M114	Z	0	0	0	%100
109	M115	X	-2.811	-2.811	0	%100
110	M115	Z	0	0	0	%100
111	M116	X	-2.811	-2.811	0	%100
112	M116	Ž	0	0	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	-2.914	-2.914	0	%100
116	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft			End Location[ft,%]
1	M1	<u> </u>	954	954	0	%100
3	M1	Z	551	551	0	%100
	MP3A	X	-3.083	-3.083	0	%100
4	MP3A	Z	-1.78	-1.78	0	%100
5	MP4A	X	-3.083	-3.083	0	%100
6	MP4A	Z	-1.78	-1.78	0	%100
-	MP2A	X	-3.409	-3.409	0	%100
8	MP2A	Z	-1.968	-1.968	0	%100
9	MP1A	X	-3.083	-3.083	0	%100
10	MP1A	Z	-1.78	-1.78	0	%100
11	M109A	X	954	954	0	%100
12	M109A	Z	551	551	0	%100
13	MP4C	X	-3.083	-3.083	0	%100
14	MP4C	Z	-1.78	-1.78	0	%100
15	M118A	X	-3.815	-3.815	0	%100
16	M118A	Z	-2.203	-2.203	0	%100
17	MP4B	X	-3.083	-3.083	0	%100
18	MP4B	Z	-1.78	-1.78	0	%100
19	M127A	X	-3.602	-3.602	0	%100
20	M127A	Z	-2.079	-2.079	0	%100
21	M128A	X	-1.219	-1.219	0	%100
22	M128A	Z	704	704	0	%100
23	M130A	X	-1.272	-1.272	0	%100
24	M130A	Z	734	734	0	%100
25	M132A	X	0	0	0	%100
26	M132A	Z	0	0	0	%100
27	M133A	X	-1.219	-1.219	0	%100
28	M133A	Z	704	704	0	%100
29	M135A	X	-1.272	-1.272	0	%100
30	M135A	Z	734	734	0	%100
31	M137A	X	0	0	0	%100
32	M137A	Z	0	0	0	%100
33	M138A	X	-1.219	-1.219	0	%100
34	M138A	Z	704	704	0	%100
35	M140A	X	-1.272	-1.272	0	%100
36	M140A	Z	734	734	0	%100
37	M142A	X	-3.602	-3.602	0	%100
38	M142A	Z	-2.079	-2.079	0	%100
39	M143A	X	-1.219	-1.219	0	%100
40	M143A	Z	704	704	0	%100
41	M145A	X	-1.272	-1.272	0	%100
42	M145A	Z	734	734	0	%100
43	M147A	X	-3.602	-3.602	0	%100
44	M147A	Z	-2.079	-2.079	0	%100
45	M148A	X	-4.874	-4.874	0	%100
46	M148A	Z	-2.814	-2.814	Ŏ	%100
47	M150A	X	-5.086	-5.086	Ö	%100
48	M150A	Z	-2.937	-2.937	0	%100
49	M152A	X	-3.602	-3.602	0	%100
50	M152A	Z	-2.079	-2.079	Ö	%100
51	M153A	X	-4.874	-4.874	Ö	%100
52	M153A	Z	-2.814	-2.814	Ö	%100
53	M155A	X	-5.086	-5.086	0	%100 %100
54	M155A	Z	-2.937	-2.937	0	%100 %100
55	M157A	X	-1.222	-1.222	0	%100 %100
56	M157A	Z	706	706	0	%100 %100
57	M158A	X	-1.222	-1.222	0	%100 %100
58	M158A	Z	706	706	0	%100 %100
	M159A	X	-4.89	.100	V	70 100

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

	Member Label	Direction		End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft.% %100
60	M159A	Z	-2.823	-2.823	0	%100
61	M160A	X	824 476	476	0	%100
62	M160A	Z		824	0	%100
63	M161A	X	824	476	0	%100
64	M161A	Z	476	-3.297	0	%100
65	M162A	X	-3.297	-3.297	0	%100
66	M162A	Z	-1.904		0	%100
67	M163A	X	-2.888	-2.888 -1.668	0	%100
68	M163A	Z	-1.668		0	%100
69	M164A	X	-2.888	-2.888	0	%100
70	M164A	Z	-1.668	-1.668	0	%100
71	M165A	X	0	0	0	%100
72	M165A	Z	0	0	0	%100
73	M171A	X	-3.599	-3.599		%100 %100
74	M171A	Z	-2.078	-2.078	0	%100
75	M173A	X	879	879	0	%100
76	M173A	Z	507	507	0	%100
77	M177A	X	879	879	0	
78	M177A	Z	507	507	0	%100 %100
79	M179A	X	-3.599	-3.599	0	
80	M179A	Z	-2.078	-2.078	0	%100
81	M183A	X	921	921	0	%100
82	M183A	Z	532	532	0	%100
83	M185A	X	921	921	0	%100
84	M185A	Z	532	532	0	%100
85	M189A	X	824	824	0	%100
86	M189A	Z	476	476	0	%100
87	M190A	X	824	824	0	%100
88	M190A	Z	476	476	0	%100
89	M191A	X	-3.297	-3.297	0	%100
90	M191A	Z	-1.904	-1.904	0	%100
91	MP3C	X	-3.083	-3.083	0	%100
92	MP3C	Z	-1.78	-1.78	0	%100
93	MP2C	X	-3.409	-3.409	0	%100
94	MP2C	Z	-1.968	-1.968	0	%100
95	MP1C	X	-3.083	-3.083	0	%100
96	MP1C	Z	-1.78	-1.78	0	%100
97	MP3B	X	-3.083	-3.083	0	%100
98	MP3B	Z	-1.78	-1.78	0	%100
99	MP2B	X	-3.409	-3.409	0	%100
	MP2B	Z	-1.968	-1.968	0	%100
100	MP1B	X	-3.083	-3.083	0	%100
101	MP1B MP1B	Z	-1.78	-1.78	0	%100
102	M104	X	852	852	0	%100
103	M104	Z	492	492	0	%100
104		X	852	852	0	%100
105	M109	Z	492	492	0	%100
106	M109	X	-3.409	-3.409	0	%100
107	M114	Z	-1.968	-1.968	0	%100
108	M114	X	811	811	0	%100
109	M115	Z	469	469	0	%100
110	M115		-3.246	-3.246	0	%100
111	M116	X	-1.874	-1.874	0	%100
112	M116	Z	811	811	0	%100
113	M117	X		469	0	%100
114	M117	Z	469	-2.524	0	%100
115	OVP	X	-2.524	-2.524	0	%100

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

1	Member Label M1	Direction X	Start Magnitude[lb/ft,	End Magnitude[lb/ft,		End Location[ft,%]
2	M1	Z	-1.652	-1.652	0	%100
3	MP3A	X	-2.862	-2.862	0	%100
4	MP3A	Z	-1.78	-1.78	0	%100
5	MP4A		-3.083	-3.083	0	%100
6	MP4A	X	-1.78	-1.78	0	%100
7	MP2A	Z	-3.083	-3.083	0	%100
8		X	-1.968	-1.968	0	%100
9	MP2A	Z	-3.409	-3.409	0	%100
	MP1A	X	-1.78	-1.78	0	%100
10	MP1A	Z	-3.083	-3.083	0	%100
11	M109A	X	0	0	0	%100
12	M109A	Z	0	0	0	%100
13	MP4C	X	-1.78	-1.78	0	%100
14	MP4C	Z	-3.083	-3.083	0	%100
15	M118A	X	-1.652	-1.652	0	%100
16	M118A	Z	-2.862	-2.862	0	%100
17	MP4B	X	-1.78	-1.78	0	%100
18	MP4B	Z	-3.083	-3.083	0	%100
19	M127A	X	-2.773	-2.773	0	%100
20	M127A	Z	-4.802	-4.802	0	%100
21	M128A	X	-2.111	-2.111	0	%100
22	M128A	Z	-3.656	-3.656	0	%100
23	M130A	X	-2.202	-2.202	0	%100
24	M130A	Z	-3.815	-3.815	Ö	%100
25	M132A	X	693	693	0	%100
26	M132A	Z	-1.201	-1.201	0	%100
27	M133A	X	-2.111	-2.111	0	%100
28	M133A	Z	-3.656	-3.656	0	%100
29	M135A	X	-2.202	-2.202	0	%100 %100
30	M135A	Z	-3.815	-3.815	0	
31	M137A	X	693	693		%100
32	M137A	Z	-1.201	-1.201	0	%100
33	M138A	X	0			%100
34	M138A	Z		0	0	%100
35	M140A	X	0	0	0	%100
36	M140A	Z	0	0	0	%100
37	M142A			0	0	%100
38	M142A	Z	693	693	0	%100
39	M143A		-1.201	-1.201	0	%100
40		X	0	0	0	%100
41	M143A	Z	0	0	0	%100
	M145A	X	0	0	0	%100
42	M145A	Z	0	0	0	%100
43	M147A	X	693	693	0	%100
44	M147A	Z	-1.201	-1.201	0	%100
45	M148A	X	-2.111	-2.111	0	%100
46	M148A	Z	-3.656	-3.656	0	%100
17	M150A	X	-2.202	-2.202	0	%100
48	M150A	Z	-3.815	-3.815	0	%100
49	M152A	X	-2.773	-2.773	0	%100
50	M152A	Z	-4.802	-4.802	0	%100
51	M153A	X	-2.111	-2.111	0	%100
52	M153A	Z	-3.656	-3.656	0	%100
53	M155A	X	-2.202	-2.202	0	%100 %100
54	M155A	Z	-3.815	-3.815	0	%100
55	M157A	X	0	0	0	%100 %100
56	M157A	Z	0	0	0	%100 %100
57	M158A	X	-2.117	-2.117	0	%100 %100
58	M158A	Z	-3.667	-3.667	0	%100 %100
	M159A	X	-2.117	-2.117	0	70 IUU

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

co l	Member Label	Direction Z	Start Magnitude[lb/ft,	.End Magnitude[lb/ft	0	End Location[ft.9
60	M159A M160A	X	0	0	0	%100
31		Z	Ŏ	0	0	%100
32	M160A	X	-1.428	-1.428	0	%100
33	M161A	Ž	-2.473	-2.473	0	%100
64	M161A	X	-1.428	-1.428	0	%100
65	M162A	Z	-2.473	-2.473	0	%100
66	M162A	X	556	556	0	%100
67	M163A	Z	963	963	0	%100
68	M163A	X	-2.224	-2.224	0	%100
69	M164A	Ž	-3.851	-3.851	0	%100
70	M164A	X	-,556	556	0	%100
71	M165A	Z	963	963	0	%100
72	M165A	X	-1.571	-1.571	0	%100
73	M171A	Z	-2.721	-2.721	0	%100
74	M171A	X	-9.7e-5	-9.7e-5	0	%100
75	M173A		000169	000169	0	%100
76	M173A	Z X	-1.546	-1.546	0	%100
77	M177A		-2.678	-2.678	0	%100
78	M177A	Z	-1.546	-1.546	0	%100
79	M179A	X	-2.678	-2.678	0	%100
80	M179A	Z	-9.7e-5	-9.7e-5	0	%100
81	M183A	X	000169	000169	0	%100
82	M183A	Z	-1.571	-1.571	0	%100
83	M185A	X	-2.721	-2.721	0	%100
84	M185A	Z	0	0	0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	-1.428	-1.428	0	%100
87	M190A	X		-2.473	0	%100
88	M190A	Z	-2.473	-1.428	0	%100
89	M191A	X	-1.428	-2.473	0	%100
90	M191A	Z	-2.473	-1.78	0	%100
91	MP3C	X	-1.78	-3.083	0	%100
92	MP3C	Z	-3.083	-1.968	0	%100
93	MP2C	X	-1.968	-3.409	0	%100
94	MP2C	Z	-3.409		0	%100
95	MP1C	X	-1.78	-1.78	0	%100
96	MP1C	Z	-3.083	-3.083 -1.78	0	%100
97	MP3B	X	-1.78	-3.083	0	%100
98	MP3B	Z	-3.083		0	%100
99	MP2B	X	-1.968	-1.968	0	%100
100	MP2B	Z	-3.409	-3.409	0	%100
101	MP1B	X	-1.78	-1.78	0	%100
102	MP1B	Z	-3.083	-3.083	0	%100
103	M104	X	-1.476	-1.476	0	%100
104	M104	Z	-2.556	-2.556	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	-1.476	-1.476	0	%100
108	M114	Z	-2.556	-2.556		%100 %100
109	M115	X	0	0	0	%100 %100
110	M115	Z	0	0	0	%100 %100
111	M116	X	-1.406	-1.406	0	%100 %100
112	M116	Z	-2.434	-2.434	0	
113	M117	X	-1.406	-1.406	0	%100
114	M117	Z	-2.434	-2.434	0	%100
115	OVP	X	-1.457	-1.457	0	%100
116	OVP	Z	-2.524	-2.524	0	%100

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

1	Member Label M1	Direction X	Start Magnitude[lb/ft,	End Magnitude[ib/ft		End Location[ft,%]
2	M1	Z	-,9	0	0	%100
3	MP3A	X	9	9	0	%100
4	MP3A	Z	643	0	0	%100
5	MP4A	X		643	0	%100
6	MP4A	Z	0	0	0	%100
7	MP2A		643	643	0	%100
8		X	0	0	0	%100
9	MP2A	Z	778	778	0	%100
	MP1A	X	0	0	0	%100
10	MP1A	Z	643	643	0	%100
11	M109A	X	0	0	0	%100
12	M109A	Z	225	225	0	%100
13	MP4C	X	0	0	0	%100
14	MP4C	Z	643	643	0	%100
15	M118A	X	0	0	0	%100
16	M118A	Z	225	225	0	%100
17	MP4B	Х	0	0	0	%100
18	MP4B	Z	643	643	0	%100 %100
19	M127A	X	0	0	0	%100 %100
20	M127A	Z	-1.218	-1.218	0	%100
21	M128A	X	0	0	0	
22	M128A	Z	-1.654	-1.654	0	%100
23	M130A	X	0	0	0	%100
24	M130A	Z	-1.742	-1.742		%100
25	M132A	X	0		0	%100
26	M132A	Z	-1.218	0	0	%100
27	M133A	X		-1.218	0	%100
28	M133A	Z	0	0	0	%100
29	M135A		-1.654	-1.654	0	%100
30	M135A	X	0	0	0	%100
31		Z	-1.742	-1.742	0	%100
32	M137A	X	0	0	0	%100
	M137A	Z	-1.218	-1.218	0	%100
33	M138A	X	0	0	0	%100
34	M138A	Z	413	413	0	%100
35	M140A	X	0	0	0	%100
36	M140A	Z	435	435	0	%100
37	M142A	X	0	0	0	%100
38	M142A	Z	0	0	0	%100
39	M143A	X	0	0	0	%100
40	M143A	Z	413	413	0	%100
41	M145A	X	0	0	0	%100 %100
42	M145A	Z	435	435	0	%100
43	M147A	X	0	0	0	%100
44	M147A	Z	0	0	0	%100
45	M148A	X	0	0	0	%100 %100
46	M148A	Z	413	413	0	
47	M150A	X	0	413		%100
18	M150A	Z	435		0	%100
49	M152A	X	435	435	0	%100
50	M152A	Z		0	0	%100
51	M153A	X	-1.218	-1.218	0	%100
52	M153A	Z	0	0	0	%100
53			413	413	0	%100
	M155A	X	0	0	0	%100
54	M155A	Z	435	435	0	%100
55	M157A	X	0	0	0	%100
6	M157A	Z	406	406	0	%100
57	M158A	X	0	0	0	%100
8	M158A	Z	-1.623	-1.623	0	%100
59	M159A	X	0	0	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft.% %100
60	M159A	Z	406	406	0	%100 %100
31	M160A	X	0	0	0	
32	M160A	Z	221	221	0	%100
33	M161A	X	0	0	0	%100
64	M161A	Z	885	885	0	%100
35	M162A	X	0	0	0	%100
66	M162A	Z	221	221	0	%100
67 S	M163A	X	0	0	0	%100
68	M163A	Z	0	0	0	%100
	M164A	X	0	0	0	%100
69	M164A	Z	721	721	0	%100
70	M165A	X	0	0	0	%100
71		Z	721	721	0	%100
72	M165A	X	0	0	0	%100
73	M171A	Z	231	231	0	%100
74	M171A	X	0	0	0	%100
75	M173A	Z	231	231	0	%100
76	M173A	X	231	0	0	%100
77	M177A		902	902	0	%100
78	M177A	Z	902	0	0	%100
79	M179A	X	22	22	0 40	%100
80	M179A	Z		0	0	%100
81	M183A	X	0	22	0	%100
82	M183A	Z	22	0	0	%100
83	M185A	X	0	902	0	%100
84	M185A	Z	902		0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	221	221	0	%100
87	M190A	X	0	0		%100
88	M190A	Z	885	-,885	0	%100 %100
89	M191A	X	0	0	0	
90	M191A	Z	221	221	0	%100 %100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	643	643	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	778	778	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	643	643	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	643	643	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	778	778	0	%100
	MP1B	X	0	0	0	%100
101	MP1B MP1B	Z	643	643	0	%100
102		X	0	0	0	%100
103	M104	Z	778	778	0	%100
104	M104	X	0	0	0	%100
105	M109	Z	194	194	0	%100
106	M109	X	0	0	0	%100
107	M114	Z	194	194	0	%100
108	M114		0	0	0	%100
109	M115	X	229	229	0	%100
110	M115	Z	229	0	0	%100
111	M116	X		229	Ö	%100
112	M116	Z	229	229	0	%100
113	M117	X	0		0	%100
114	M117	Z	916	916	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	525	525	1 0	/0100

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

1	Member Label	Direction	Start Magnitude[ib/ft	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
	M1	X	.338	.338	0	%100
2	M1	Z	585	585	0	%100
3	MP3A	X	.321	.321	0	%100
4	MP3A	Z	557	557	0	%100
5	MP4A	X	.321	.321	0	%100
6	MP4A	Z	557	557	0	%100
7	MP2A	X	.389	.389	0	%100
8	MP2A	Z	674	674	0	%100
9	MP1A	X	.321	.321	0	%100
10	MP1A	Z	557	557	0	%100
11	M109A	X	.338	.338	0	%100
12	M109A	Z	585	585	0	%100
13	MP4C	X	.321	.321	0	%100 %100
14	MP4C	Z	557	557	0	%100 %100
15	M118A	X	0	0	0	%100
16	M118A	Z	0	0	0	
17	MP4B	X	.321	.321		%100
18	MP4B	Z	557	557	0	%100
19	M127A	X	.203		0	%100
20	M127A	Z		.203	0	%100
21	M128A	X	351	351	0	%100
22	M128A	Z	.62	.62	0	%100
23			-1.074	-1.074	0	%100
24	M130A	X	.653	.653	0	%100
	M130A	Z	-1.131	-1.131	0	%100
25	M132A	X	.812	.812	0	%100
26	M132A	Z	-1.406	-1.406	0	%100
27	M133A	X	.62	.62	0	%100
28	M133A	Z	-1.074	-1.074	0	%100
29	M135A	X	.653	.653	0	%100
30	M135A	Z	-1.131	-1.131	0	%100
31	M137A	X	.812	.812	0	%100
32	M137A	Z	-1.406	-1.406	0	%100
33	M138A	X	.62	.62	0	%100
34	M138A	Z	-1.074	-1.074	0	%100
35	M140A	X	.653	.653	0	%100
36	M140A	Z	-1,131	-1.131	ő	%100
37	M142A	X	.203	.203	0	%100 %100
38	M142A	Z	351	351	0	%100 %100
39	M143A	X	.62	.62	0	%100
40	M143A	Z	-1.074	-1.074	0	
41	M145A	X	.653	.653		%100
42	M145A	Z	-1.131	-1.131	0	%100
43	M147A	X	.203			%100
44	M147A	Z		.203	0	%100
45	M148A	X	351	351	0	%100
46	M148A		0	0	0	%100
47		Z	0	0	0	%100
	M150A	X	0	0	0	%100
48	M150A	Z	0	0	0	%100
49	M152A	X	.203	.203	0	%100
50	M152A	Z	351	351	0	%100
51	M153A	X	0	0	0	%100
52	M153A	Z	0	0	0	%100
53	M155A	X	0	0	0	%100
54	M155A	Z	0	0	0	%100
55	M157A	X	.609	.609	0	%100
56	M157A	Z	-1.054	-1.054	0	%100
57	M158A	X	.609	.609	0	%100
58	M158A	Z	-1.054	-1.054	0	%100
	M159A	X	0		0	70 100

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

60	Member Label M159A	Direction Z	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	0	End Location[ft,%
	M160A	X	.332	.332	0	%100
61	M160A	Z	575	575	0	%100
	M161A	X	.332	.332	0	%100
33	M161A	Z	575	575	0	%100
34	M162A	X	0	0	0	%100
35	M162A	Z	0	0	0	%100
36	M163A	X	.12	.12	0	%100
37		Z	208	208	0	%100
86	M163A	X	.12	.12	0	%100
69	M164A	Ž	208	208	0	%100
70	M164A	X	.481	.481	0	%100
71	M165A	Ž	833	833	0	%100
72	M165A	X	2.1e-5	2.1e-5	0	%100
73	M171A	Z	-3.7e-5	-3.7e-5	0	%100
74	M171A		,341	.341	0	%100
75	M173A	X	-,59	59	0	%100
76	M173A	Z	.341	.341	0	%100
77	M177A	X	59	59	0	%100
78	M177A	Z	2.1e-5	2.1e-5	0	%100
79	M179A	X	-3.7e-5	-3.7e-5	Ů Ů	%100
30	M179A	Z	.336	.336	0	%100
31	M183A	X	581	581	0	%100
32	M183A	Z	.336	.336	0	%100
33	M185A	X	581	581	0	%100
34	M185A	Z		.332	0	%100
35	M189A	X	.332	575	0	%100
36	M189A	Z	575	.332	0	%100
37	M190A	X	.332	575	0	%100
88	M190A	Z	575	375	0	%100
89	M191A	X	0	0	0	%100
90	M191A	Z	0	.321	0	%100
91	MP3C	X	.321	557	0	%100
92	MP3C	Z	557		0	%100
93	MP2C	X	.389	.389	0	%100
94	MP2C	Z	674	674	0	%100
95	MP1C	X	.321	.321	0	%100
96	MP1C	Z	557	557	0	%100
97	MP3B	X	.321	.321	0	%100 %100
98	MP3B	Z	-,557	557	0	%100
99	MP2B	X	.389	.389		%100
00	MP2B	Z	674	674	0	%100 %100
01	MP1B	X	.321	.321	0	%100 %100
02	MP1B	Z	557	557	0	%100 %100
03	M104	X	.292	.292	0	%100 %100
04	M104	Z	-,505	505	0	%100 %100
05	M109	X	.292	.292	0	
06	M109	Z	505	505	0	%100 %100
07	M114	X	0	0	0	%100
08	M114	Z	0	0	0	%100
09	M115	Х	.344	.344	0	%100
110	M115	Z	595	595	0	%100
111	M116	X	0	0	0	%100
112	M116	Z	0	0	0	%100
13	M117	X	.344	.344	0	%100
114	M117	Z	595	595	0	%100
115	OVP	X	.263	.263	0	%100
116	OVP	Z	455	455	0	%100

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

1 1	Member Label M1	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,	The second secon	End Location[ft,%]
2	M1	X 7	.195	.195	0	%100
3	MP3A	X	113	113	0	%100
4	MP3A	Z	.557	.557	0	%100
5	MP4A	X	321	321	0	%100
6	MP4A	Z	.557	.557	0	%100
7	MP2A	X	321	321	0	%100
8	MP2A	Z	.674	.674	0	%100
9	MP1A		389	389	0	%100
10	MP1A	X	.557	.557	0	%100
11	M109A		321	321	0	%100
12	M109A	X	.78	.78	0	%100
13	MP4C	Z	45	45	0	%100
14	MP4C	X	.557	.557	0	%100
15		Z	321	321	0	%100
16	M118A	X	.195	.195	0	%100
17	M118A	Z	113	113	0	%100
18	MP4B	X	.557	.557	0	%100
	MP4B	Z	321	321	0	%100
19	M127A	X	0	0	0	%100
20	M127A	Z	0	0	0	%100
21	M128A	X	.358	.358	0	%100
22	M128A	Z	207	207	0	%100
23	M130A	X	.377	.377	0	%100
24	M130A	Z	218	218	0	%100
25	M132A	X	1.054	1.054	0	%100
26	M132A	Z	609	609	0	%100
27	M133A	X	.358	.358	0	%100
28	M133A	Z	207	207	0	%100
29	M135A	X	,377	.377	0	%100
30	M135A	Z	218	218	0	%100
31	M137A	X	1.054	1.054	0	%100
32	M137A	Z	609	609	0	%100
33	M138A	X	1.432	1.432	0	%100
34	M138A	Z	827	827	0	%100
35	M140A	X	1.508	1.508	0	%100
36	M140A	Z	871	871	0	%100
37	M142A	X	1.054	1.054	0	%100
38	M142A	Z	609	609	0	%100
39	M143A	X	1.432	1.432	0	%100
40	M143A	Z	827	827	0	%100
41	M145A	X	1.508	1.508	0	%100
42	M145A	Z	871	871	0	%100
43	M147A	X	1.054	1.054	0	%100
44	M147A	Z	609	609	0	%100
45	M148A	X	.358	.358	0	%100
46	M148A	Z	207	207	0	%100
47	M150A	X	.377	.377	0	%100
48	M150A	Z	218	218	0	%100
49	M152A	X	0	0	0	%100
50	M152A	Z	0	0	0	%100
51	M153A	X	.358	.358	0	%100
52	M153A	Z	207	207	0	%100
53	M155A	X	.377	.377	0	%100
54	M155A	Z	218	218	0	%100
55	M157A	X	1.406	1.406	0	%100
56	M157A	Z	812	812	0	%100
57	M158A	X	.351	.351	0	%100
58	M158A	Z	203	203	0	%100
59	M159A	X	.351	.351	0	%100

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

	Member Label	Direction		End Magnitude(lb/ft,	Start Location[ft,%]	End Location[ft,% %100
60	M159A	Z	203	203	0	%100 %100
61	M160A	X	.766	.766		%100 %100
62	M160A	Z	442	442	0	%100 %100
63	M161A	X	.192	.192	0	
64	M161A	Z	111	111	0	%100
65	M162A	X	.192	.192	0	%100
66	M162A	Z	111	-,111	0	%100
67	M163A	X	.625	,625	0	%100
68	M163A	Z	361	361	0	%100
69	M164A	X	0	0	0	%100
70	M164A	Z	0	0	0	%100
71	M165A	X	.625	.625	0	%100
72	M165A	Z	361	361	0	%100
73	M171A	X	.191	.191	0	%100
74	M171A	Z	11	11	0	%100
	M173A	X	.781	.781	0	%100
75	M173A	Z	451	451	0	%100
76		X	.2	.2	0	%100
77	M177A	Z	115	115	0	%100
78	M177A		.2	.2	0	%100
79	M179A	Z	115	115	Ů Ů	%100
80	M179A		.781	.781	0	%100
81	M183A	X		451	Ö	%100
82	M183A	Z	451	.191	0	%100
83	M185A	X	.191	11	0	%100
84	M185A	Z	11		0	%100 %100
85	M189A	X	.766	.766	0	%100
86	M189A	Z	442	442	0	%100 %100
87	M190A	X	.192	.192		%100 %100
88	M190A	Z	111	111	0	%100 %100
89	M191A	X	.192	.192	0	
90	M191A	Z	111	111	0	%100
91	MP3C	X	.557	.557	0	%100
92	MP3C	Z	321	321	0	%100
93	MP2C	X	.674	.674	0	%100
94	MP2C	Z	389	389	0	%100
95	MP1C	X	.557	.557	0	%100
96	MP1C	Z	321	321	0	%100
97	мР3В	X	.557	.557	0	%100
98	MP3B	Z	321	321	0	%100
99	MP2B	X	.674	.674	0	%100
100	MP2B	Z	389	389	0	%100
101	MP1B	X	.557	.557	0	%100
102	MP1B	Z	321	321	0	%100
	M104	X	.168	.168	0	%100
103	M104	Z	097	097	0	%100
104	M109	X	.674	.674	0	%100
105		Z	389	389	0	%100
106	M109	X	.168	.168	0	%100
107	M114	Z	097	097	0	%100
108	M114	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	.794	.794	Ö	%100
109	M115	X	458	458	Ŏ	%100
110	M115	Z		.198	0	%100
111	M116	X	.198	115	0	%100
112	M116	Z	115		0	%100 %100
113	M117	X	.198	.198		%100
114	M117	Z	115	115	0	
115	OVP	X	.455	.455	0	%100
116	OVP	Z	263	263	0	%100

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

	Member Label	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	MP3A	X	.643	.643	0	%100
4	MP3A	Z	0	0	0	%100
5	MP4A	X	.643	.643	0	%100
6	MP4A	Z	0	0	0	%100
7	MP2A	X	.778	.778	0	%100
8	MP2A	Z	0	0	0	%100
9	MP1A	X	.643	.643	0	%100
10	MP1A	Z	0	0	0	%100
11	M109A	X	.675	.675	0	%100
12	M109A	Z	0	0	0	%100
13	MP4C	X	.643	.643	0	%100
14	MP4C	Z	0	0	0	%100
15	M118A	X	.675	.675	0	%100
16	M118A	Z	0	0	0	%100
17	MP4B	X	.643	.643	0	%100 %100
18	MP4B	Z	0	0	0	%100 %100
19	M127A	X	.406	.406	0	%100
20	M127A	Z	0	0	0	%100 %100
21	M128A	X	0	0	0	%100
22	M128A	Z	0	0	0	%100
23	M130A	X	0	0	0	%100
24	M130A	Z	0	0	0	%100
25	M132A	X	.406	.406	0	%100
26	M132A	Z	0	0	0	%100 %100
27	M133A	X	0	0	0	%100
28	M133A	Z	0	0	0	%100
29	M135A	X	0	0	0	%100 %100
30	M135A	Z	0	0	0	%100 %100
31	M137A	X	.406	.406	0	%100 %100
32	M137A	Z	0	0	0	%100
33	M138A	X	1.24	1.24	0	%100
34	M138A	Z	0	0	0	%100
35	M140A	X	1.306	1.306	0	%100 %100
36	M140A	Z	0	0	0	%100 %100
37	M142A	X	1.623	1.623	0	%100
38	M142A	Z	0	0	0	%100
39	M143A	X	1.24	1.24	0	%100 %100
40	M143A	Z	0	0	0	%100
41	M145A	X	1.306	1.306	0	%100 %100
42	M145A	Z	0	0	0	%100 %100
43	M147A	X	1.623	1.623	0	%100 %100
44	M147A	Z	0	0	0	%100 %100
45	M148A	X	1.24	1.24	0	
46	M148A	Z	0	0	0	%100 %100
47	M150A	X	1.306	1.306	0	
48	M150A	Z	0	0	0	%100 %100
49	M152A	X	.406	.406	0	%100 %100
50	M152A	Z	.400	.406	0	%100
51	M153A	X	1.24	1.24	0	%100
52	M153A	Z	0	0	0	%100
53	M155A	X	1.306	1.306	0	%100
54	M155A	Z	0	0		%100
55	M157A	X	1.218	1.218	0	%100
56	M157A	Z	0		0	%100
57	M158A	X	0	0	0	%100
58	M158A	Z	0	0	0	%100
59	M159A	X	1.218	0	0	%100
00	WITOOA		1 1.210	1.218	0	%100

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

Member Label	Direction			Start Location (11, 70)	End Location[ft.% %100
M159A	Z	0			%100 %100
M160A	X				%100 %100
M160A					%100
M161A					%100
M161A					%100
M162A					%100 %100
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OVP	Z	.525	.525	0	%100
	M159A M160A M160A M161A M161A	M159A Z M160A X M160A Z M161A X M161A Z M161A Z M162A X M162A Z M163A X M163A X M163A X M163A X M163A X M164A X M164A X M165A X M165A X M17A X M18A X M18A X M18A X <td>M159A Z 0 M160A X .663 M160A Z 0 M161A X 0 M161A Z 0 M162A X .663 M162A Z 0 M163A X .962 M164A X .24 M164A X .24 M165A X .24 M165A X .24 M165A X .24 M171A X .671 M173A X .671 M173A X .671 M173A X .682 M179A X .682 M179A X .682</td> <td>M159A Z 0 0 M160A X .663 .663 .663 M160A Z 0 0 0 M161A X 0 0 0 M161A Z 0 0 0 M162A X .663 .663 .663 M162A Z 0 0 0 M163A X .962 .962 .962 M164A X .24 .24 .24 M165A X .24 .24 .24 M165A X .24 .24 .24 M171A X .671 .671 .671 M173A X .62-5 <td< td=""><td> M159A</td></td<></td>	M159A Z 0 M160A X .663 M160A Z 0 M161A X 0 M161A Z 0 M162A X .663 M162A Z 0 M163A X .962 M164A X .24 M164A X .24 M165A X .24 M165A X .24 M165A X .24 M171A X .671 M173A X .671 M173A X .671 M173A X .682 M179A X .682 M179A X .682	M159A Z 0 0 M160A X .663 .663 .663 M160A Z 0 0 0 M161A X 0 0 0 M161A Z 0 0 0 M162A X .663 .663 .663 M162A Z 0 0 0 M163A X .962 .962 .962 M164A X .24 .24 .24 M165A X .24 .24 .24 M165A X .24 .24 .24 M171A X .671 .671 .671 M173A X .62-5 <td< td=""><td> M159A</td></td<>	M159A

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

1	Member Label M1	Direction X	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft.%] %100
2	M1	Z	.113	.113	0	%100
3	MP3A	X	.557	.557	0	%100
4	MP3A	Z	.321	.321	0	%100
5	MP4A	X	.557	.557	0	%100
6	MP4A	Z	.321	.321	0 10	%100 %100
7	MP2A	X	.674	.674	Ö	%100
8	MP2A	Z	.389	.389	0	%100
9	MP1A	X	.557	.557	0	%100 %100
10	MP1A	Z	.321	.321	0	%100
11	M109A	X	.195	.195	0	%100
12	M109A	Z	.113	.113	0	%100 %100
13	MP4C	X	.557	.557	0	%100
14	MP4C	Z	.321	.321	0	
15	M118A	X	.78	.78	0	%100
16	M118A	Z	.45			%100
17	MP4B	X	.557	.45	0	%100
18	MP4B	Z	.321	.557	0	%100
19	M127A	X	1.054	.321	0	%100
20	M127A	Z		1.054	0	%100
21	M128A	X	.609	.609	0	%100
22	M128A		.358	.358	0	%100
23	M130A	Z	.207	.207	0	%100
24		X	.377	.377	0	%100
25	M130A	Z	.218	.218	0	%100
	M132A	X	0	0	0	%100
26	M132A	Z	0	0	0	%100
27	M133A	X	.358	.358	0	%100
28	M133A	Z	.207	.207	0	%100
29	M135A	X	.377	.377	0	%100
30	M135A	Z	.218	.218	0	%100
31	M137A	X	0	0	0	%100
32	M137A	Z	0	0	0	%100
33	M138A	X	.358	.358	0	%100
34	M138A	Z	.207	.207	0	%100
35	M140A	X	.377	.377	0	%100
36	M140A	Z	.218	.218	0	%100
37	M142A	X	1.054	1.054	0	%100
38	M142A	Z	.609	.609	0	%100
39	M143A	X	.358	.358	0	%100
40	M143A	Z	.207	.207	0	%100
41	M145A	X	.377	.377	0	%100
42	M145A	Z	.218	.218	0	%100
43	M147A	X	1.054	1.054	0	%100
44	M147A	Z	.609	.609	0	%100
45	M148A	X	1.432	1.432	0	%100
46	M148A	Z	.827	.827	0	%100
47	M150A	X	1.508	1.508	0	%100
48	M150A	Z	.871	.871	0	%100 %100
49	M152A	X	1.054	1.054	0	%100 %100
50	M152A	Z	.609	.609	0	%100 %100
51	M153A	X	1.432	1.432	0	%100 %100
52	M153A	Z	.827	.827	0	
53	M155A	X	1.508	1.508	0	%100
54	M155A	Z	.871			%100
55	M157A	X	.351	.871	0	%100
56	M157A	Z		.351	0	%100
57	M157A M158A	X	.203	.203	0	%100
58	M158A	Z	.351	.351	0	%100
59	M159A	X	.203	.203	0	%100
55	IVITOOM		1.406	1.406	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	Start Location[ft,%]	End Locationift,%
60	M159A	Z	.812	.812	0	%100 %100
61	M160A	X	.192	.192	0	%100
62	M160A	Z	.111	.111	0	%100
63	M161A	X	.192	.192	0	%100
64	M161A	Z	.111	.111	0	%100
65	M162A	X	.766	.766	0	%100
66	M162A	Z	.442	.442	0	%100
	M163A	X	.625	.625	0	%100
67	M163A	Z	.361	.361	0	%100
68		X	.625	.625	0	%100
69	M164A	Z	.361	.361	0	%100
70	M164A	X	0	0	0	%100
71	M165A	Z	0	0	0	%100
72	M165A			.781	0	%100
73	M171A	X	.781	.451	ő	%100
74	M171A	Z	.451	.191	0	%100
75	M173A	X	.191		0	%100
76	M173A	Z	.11	.11	0	%100
77	M177A	X	.191	.191	0	%100
78	M177A	Z	.11	.11		%100 %100
79	M179A	X	.781	.781	0	%100 %100
80	M179A	Z	.451	.451	0	
81	M183A	X	.2	.2	0	%100
82	M183A	Z	.115	.115	0	%100
83	M185A	Х	.2	.2	0	%100
84	M185A	Z	.115	.115	0	%100
85	M189A	X	.192	.192	0	%100
	M189A	Z	.111	.111	0	%100
86	M190A	X	.192	.192	0	%100
87	M190A	Z	.111	.111	0	%100
88		X	.766	.766	0	%100
89	M191A	Z	.442	.442	0	%100
90	M191A	X	.557	.557	0	%100
91	MP3C		.321	.321	0	%100
92	MP3C	Z	.674	.674	0	%100
93	MP2C	X	.389	.389	0	%100
94	MP2C	Z		.557	0	%100
95	MP1C	X	.557		0	%100
96	MP1C	Z	.321	.321	0	%100
97	MP3B	X	.557	.557	0	%100
98	MP3B	Z	.321	.321	0	%100
99	MP2B	X	.674	.674		
100	MP2B	Z	.389	.389	0	%100 %400
101	MP1B	X	.557	.557	0	%100
102	MP1B	Z	.321	.321	0	%100
103	M104	X	.168	.168	0	%100
104	M104	Z	.097	.097	0	%100
105	M109	X	.168	.168	0	%100
106	M109	Z	.097	.097	0	%100
107	M114	X	.674	.674	0	%100
	M114	Z	.389	.389	0	%100
108		X	.198	.198	0	%100
109	M115	Z	.115	.115	0	%100
110	M115		.794	.794	0	%100
111	M116	X	.458	.458	0	%100
112	M116	Z		.198	0	%100
113	M117	X	.198		0	%100
114	M117	Z	.115	.115		%100 %100
115	OVP	X	.455	.455	0	%100 %100
116	OVP	Z	.263	.263	0	70100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.338	.338	0	%100
2	M1	Z	.585	.585	0	%100
3	MP3A	X	.321	.321	0	%100
4	MP3A	Z	.557	.557	0	%100
5	MP4A	X	.321	.321	0	%100
6	MP4A	Z	.557	.557	0	%100
7	MP2A	X	.389	.389	0	%100
8	MP2A	Z	.674	.674	0	%100
9	MP1A	X	.321	,321	0	%100
10	MP1A	Z	.557	.557	0	%100
11	M109A	X	0	0	0	%100
12	M109A	Z	0	0	0	%100
13	MP4C	X	.321	.321	0	%100
14	MP4C	Z	.557	.557	0	%100
15	M118A	X	.338	.338	0	%100
16	M118A	Z	.585	.585	0	%100
17	MP4B	X	.321	.321	0	%100
18	MP4B	Z	.557	.557	0	%100
19	M127A	X	.812	.812	0	%100
20	M127A	Z	1.406	1.406	0	%100
21	M128A	X	.62	.62	0	%100
22	M128A	Z	1.074	1.074	0	%100
23	M130A	X	.653	.653	0	%100
24	M130A	Z	1.131	1.131	0	%100
25	M132A	X	.203	.203	0	%100
26	M132A	Z	.351	.351	0	%100
27	M133A	X	.62	.62	0	%100
28	M133A	Z	1.074	1.074	0	%100
29	M135A	X	.653	.653	0	%100
30	M135A	Z	1,131	1.131	0	%100
31	M137A	X	.203	.203	0	%100
32	M137A	Z	.351	.351	- 0	%100
33	M138A	Х	0	0	0	%100
34	M138A	Z	0	0	0	%100
35	M140A	Х	0	0	0	%100
36	M140A	Z	0	0	0	%100
37	M142A	Х	.203	.203	Ö	%100 %100
38	M142A	Z	.351	.351	0	%100
39	M143A	X	0	0	Ö	%100
40	M143A	Z	0	0	0	%100
41	M145A	X	0	0	0	%100
42	M145A	Z	0	0	0	%100
43	M147A	X	.203	.203	0	%100 %100
44	M147A	Z	.351	.351	0	%100
45	M148A	X	.62	.62	0	%100 %100
46	M148A	Z	1.074	1.074	0	%100
47	M150A	X	.653	.653	0	%100 %100
48	M150A	Z	1.131	1.131	0	%100 %100
49	M152A	X	.812	.812	0	%100 %100
50	M152A	Z	1.406	1.406	0	%100 %100
51	M153A	X	.62	.62	0	%100 %100
52	M153A	Z	1.074	1.074	0	%100 %100
53	M155A	X	.653	.653	0	%100 %100
54	M155A	Z	1.131	1.131	0	%100 %100
55	M157A	X	0	0	0	
56	M157A	Z	0	0	0	%100 %100
57	M158A	X	.609	.609	0	%100 %100
58	M158A	Z	1.054	1.054		%100 %100
59	M159A	X	.609	.609	0	%100
	111100/1		1 .009	.009	U	%100

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

	Member Label	Direction		.End Magnitude[lb/ft, 1.054	Start Location[ft,%] 0	End Location[ft.9 %100
60	M159A	Z	1.054	1.054	0	%100
61	M160A	X	0	0	O O	%100
32	M160A	Z	.332	.332	Ö	%100
33	M161A	X		.575	Ö	%100
64	M161A	Z	.575	.332	ő	%100
35	M162A	X	.332	.575	Ŏ	%100
66	M162A	Z	.575	.12	ő	%100
57	M163A	X	.12	.208	0	%100
88	M163A	Z	.208	.481	0	%100
69	M164A	X	.481	.833	Ö	%100
70	M164A	Z	.833	.12	Ö	%100
71	M165A	X		.208	0	%100
72	M165A	Z	.208	.341	0	%100
73	M171A	X	.341	.59	O A	%100
74	M171A	Z	.59	2.1e-5	0	%100
75	M173A	X	2.1e-5	3.7e-5	0	%100
76	M173A	Z	3.7e-5	.336	0	%100
77	M177A	X	.336	.581	0	%100
78	M177A	Z	.581	.336	0	%100
79	M179A	X	.336	.581	0	%100
80	M179A	Z	.581	2.1e-5	0	%100
81	M183A	X	2.1e-5	3.7e-5	0	%100
82	M183A	Z	3.7e-5	.341	0	%100
83	M185A	X	.341	.59	0	%100
84	M185A	Z	.59	0	0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	0	.332	0	%100
87	M190A	X	.332	.575	0	%100
88	M190A	Z	.575	.332	0	%100
89	M191A	X	.332	.575	0	%100
90	M191A	Z	.575		0	%100
91	MP3C	X	.321	.321	0	%100
92	MP3C	Z	.557		0	%100
93	MP2C	X	.389	.389	0	%100
94	MP2C	Z	.674		0	%100
95	MP1C	X	.321	.321	0	%100
96	MP1C	Z	.557	.557	0	%100
97	MP3B	X	.321	.321	0	%100
98	MP3B	Z	.557	.557	0	%100
99	MP2B	X	.389	.389	0	%100
100	MP2B	Z	.674	.674	0	%100
101	MP1B	X	.321	.321	0	%100
102	MP1B	Z	.557	.557	0	%100
103	M104	X	.292	.292	0	%100
104	M104	Z	.505	.505	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	0	.292	0	%100 %100
107	M114	X	.292		0	%100 %100
108	M114	Z	.505	.505	0	%100
109	M115	X	0	0	0	%100
110	M115	Z	0	0	0	%100
111	M116	X	.344	.344	0	%100
112	M116	Z	.595	.595	0	%100 %100
113	M117	X	.344	.344	0	%100
114	M117	Z	.595	.595		%100
115	OVP	X	.263	.263	0	%100
116	OVP	Z	.455	.455	0	70100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.9	.9	0	%100
3	MP3A	X	0	0	0	%100
4	MP3A	Z	.643	.643	0	%100
5	MP4A	X	0	0	0	%100
6	MP4A	Z	.643	.643	0 44	%100
7	MP2A	X	0	0	0	%100 %100
8	MP2A	Z	.778	.778	0	%100 %100
9	MP1A	X	0	0	0	%100 %100
10	MP1A	Z	.643	.643	0	
11	M109A	X	0	0	0	%100
12	M109A	Z	.225	.225		%100
13	MP4C	X			0	%100
14	MP4C	Z	0	0	0	%100
15	M118A		.643	.643	0	%100
16	M118A	X	0	0	0	%100
17		Z	.225	.225	0	%100
	MP4B	X	0	0	0	%100
18	MP4B	Z	.643	.643	0	%100
19	M127A	X	0	0	0	%100
20	M127A	Z	1.218	1.218	0	%100
21	M128A	X	0	0	0	%100
22	M128A	Z	1.654	1.654	0	%100
23	M130A	X	0	0	0	%100
24	M130A	Z	1.742	1.742	0	%100
25	M132A	X	0	0	0	%100
26	M132A	Z	1.218	1.218	0	%100
27	M133A	X	0	0	0	%100 %100
28	M133A	Z	1.654	1.654	0	%100 %100
29	M135A	X	0	0	0	%100 %100
30	M135A	Z	1.742	1.742	0	%100 %100
31	M137A	X	0	0	0	%100 %100
32	M137A	Z	1.218	1.218	0	
33	M138A	X	0	0		%100
34	M138A	Z	.413		0	%100
35	M140A	X	.413	.413	0	%100
36	M140A			0	0	%100
37	M142A	Z	.435	.435	0	%100
38	M142A	X	0	0	0	%100
39		Z	0	0	0	%100
	M143A	X	0	0	0	%100
40	M143A	Z	.413	.413	0	%100
41	M145A	X	0	0	0	%100
42	M145A	Z	.435	.435	0	%100
43	M147A	X	0	0	0	%100
44	M147A	Z	0	0	0	%100
45	M148A	X	0	0	0	%100
46	M148A	Z	.413	.413	0	%100
47	M150A	X	0	0	0	%100
48	M150A	Z	.435	.435	0	%100
49	M152A	X	0	0	0	%100 %100
50	M152A	Z	1.218	1.218	0	%100 %100
51	M153A	X	0	0	0	%100 %100
52	M153A	Z	.413	.413	0	%100 %100
53	M155A	X	.413			
54	M155A	Z	.435	0	0	%100
55	M157A			.435	0	%100
56	M157A M157A	X	0	0	0	%100
57		Z	.406	.406	0	%100
	M158A	X	0	0	0	%100
58 59	M158A	Z	1.623	1.623	0	%100
OB	M159A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,% %100
60	M159A	Z	.406	.406	0	%100 %100
61	M160A	X	0	0	0	
62	M160A	Z	.221	.221	0	%100 %100
63	M161A	X	0	0	0	%100 %100
64	M161A	Z	.885	.885	0	
65	M162A	X	0	0	0	%100
66	M162A	Z	.221	.221	0	%100
67	M163A	X	0	0	0	%100
68	M163A	Z	0	0	0	%100
69	M164A	X	0	0	0	%100
70	M164A	Z	.721	.721	0	%100
71	M165A	X	0	0	0	%100
72	M165A	Z	.721	.721	0	%100
73	M171A	X	0	0	0	%100
74	M171A	Z	.231	.231	0	%100
75	M173A	X	0	0	0	%100
76	M173A	Z	.231	.231	0	%100
77	M177A	X	0	0	0	%100
78	M177A	Z	.902	.902	0	%100
	M179A	X	0	0	0	%100
79	M179A	Z	.22	.22	0	%100
80	M183A	X	0	0	0	%100
81	M183A	Z	.22	.22	0	%100
82	M185A	X	0	0	0	%100
83		Z	.902	.902	0	%100
84	M185A	X	0	0	0	%100
85	M189A	Z	.221	.221	0	%100
86	M189A	X	0	0	0	%100
87	M190A	Ž	.885	.885	0	%100
88	M190A	X	0	0	0	%100
89	M191A		.221	.221	0	%100
90	M191A	Z X	0	0	0	%100
91	MP3C	Ż	.643	.643	0	%100
92	MP3C		0	0	0	%100
93	MP2C	X	.778	.778	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	.643	.643	0	%100
96	MP1C	Z		0	0	%100
97	MP3B	X	.643	.643	0	%100
98	MP3B	Z		0	0	%100
99	MP2B	X	779	.778	0	%100
100	MP2B	Z	.778		0	%100
101	MP1B	X	0	.643	0	%100
102	MP1B	Z	.643		0	%100 %100
103	M104	X	0	779	0	%100
104	M104	Z	.778	.778	0	%100 %100
105	M109	X	0	0		%100
106	M109	Z	.194	.194	0	%100
107	M114	X	0	0	0	%100 %100
108	M114	Z	.194	.194	0	%100 %100
109	M115	X	0	0	0	%100 %100
110	M115	Z	.229	.229	0	
111	M116	X	0	0	0	%100
112	M116	Z	.229	.229	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	.916	.916	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	.525	.525	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M1	X	338	338	0	%100
2	M1	Z	.585	.585	0	%100
3	MP3A	X	321	321	0	%100
4	MP3A	Z	.557	.557	0	%100
5	MP4A	X	321	321	0	%100
6	MP4A	Z	.557	.557	0	%100
7	MP2A	X	389	389	0	%100
8	MP2A	Z	.674	.674	0	%100
9	MP1A	X	321	321	0	%100
10	MP1A	Z	.557	.557	0	%100
11	M109A	Х	338	338	0	%100
12	M109A	Z	.585	.585	0	%100
13	MP4C	X	321	321	0	%100 %100
14	MP4C	Z	.557	.557	0	%100 %100
15	M118A	X	0	0	0	%100 %100
16	M118A	Z	0	0	0	%100 %100
17	MP4B	X	321	321	0	%100 %100
18	MP4B	Z	.557	.557	0	%100 %100
19	M127A	X	203	203		
20	M127A	Z	.351		0	%100
21	M128A	X	62	.351	0	%100
22	M128A	Z		62	0	%100
23	M130A	X	1.074	1.074	0	%100
24	M130A		653	653	0	%100
25		Z	1.131	1.131	0	%100
26	M132A	X	812	812	0	%100
27	M132A	Z	1.406	1.406	0	%100
	M133A	X	62	62	0	%100
28	M133A	Z	1.074	1.074	0	%100
29	M135A	X	653	653	0	%100
30	M135A	Z	1.131	1.131	0	%100
31	M137A	X	812	812	0	%100
32	M137A	Z	1.406	1.406	0	%100
33	M138A	X	62	62	0	%100
34	M138A	Z	1.074	1.074	0	%100
35	M140A	X	653	653	0	%100
36	M140A	Z	1.131	1.131	0	%100
37	M142A	X	203	203	0	%100
38	M142A	Z	.351	.351	0	%100
39	M143A	X	62	62	0	%100
40	M143A	Z	1.074	1.074	0	%100
41	M145A	X	653	653	0	%100
42	M145A	Z	1.131	1.131	0	%100
43	M147A	X	203	203	0	%100
44	M147A	Z	.351	.351	0	%100
45	M148A	X	0	0	0	%100 %100
46	M148A	Z	0	Ö	0	%100 %100
47	M150A	X	0	0	0	%100 %100
48	M150A	Z	0	0	0	
49	M152A	X	203	203	0	%100 %100
50	M152A	Z	.351	.351	0	
51	M153A	X	0	.351		%100
52	M153A	Z	0	0	0	%100 %100
53	M155A	X	0		0	%100
54	M155A	Z		0	0	%100
55	M157A		0	0	0	%100
56	M157A	X	609	609	0	%100
		Z	1.054	1.054	0	%100
57	M158A	X	609	609	0	%100
58	M158A	Z	1.054	1.054	0	%100
59	M159A	X	0	0	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,	Start Location[ft,%] 0	End Location[ft,%] %100
60	M159A	Z	0	332	0	%100 %100
61	M160A	X	332		0	%100 %100
32	M160A	Z	.575	.575		%100 %100
33	M161A	X	332	332	0	%100 %100
64	M161A	Z	.575	.575	0	%100 %100
35	M162A	X	0	0	0	
66	M162A	Z	0	0	0	%100
67	M163A	X	12	12	0	%100
68	M163A	Z	.208	.208	0	%100
69	M164A	X	12	12	0	%100
70	M164A	Z	.208	.208	0	%100
71	M165A	X	481	481	0	%100
72	M165A	Z	.833	.833	0	%100
73	M171A	X	-2.1e-5	-2.1e-5	0	%100
74	M171A	Z	3.7e-5	3.7e-5	0	%100
75	M173A	X	341	341	0	%100
76	M173A	Z	.59	.59	0	%100
77	M177A	X	341	341	0	%100
78	M177A	Z	.59	.59	0	%100
	M179A	X	-2.1e-5	-2.1e-5	0	%100
79	M179A	Z	3.7e-5	3.7e-5	0	%100
80		X	336	336	0	%100
81	M183A	Z	.581	.581	0	%100
82	M183A	X	336	336	0	%100
B3	M185A	Z	.581	.581	0	%100
84	M185A	X	332	332	0	%100
85	M189A	Z	.575	.575	0	%100
86	M189A		332	332	0	%100
87	M190A	Z	.575	.575	0	%100
88	M190A		0	0	0	%100
89	M191A	X	0	0	0	%100
90	M191A	Z	321	321	0	%100
91	MP3C	X	.557	.557	0	%100
92	MP3C	Z		389	0	%100
93	MP2C	X	389	.674	0	%100
94	MP2C	Z	.674	321	0	%100
95	MP1C	X	321	.557	0	%100
96	MP1C	Z	.557		0	%100
97	MP3B	X	321	321	0	%100
98	MP3B	Z	.557	.557		%100
99	MP2B	X	389	389	0	%100 %100
100	MP2B	Z	.674	.674		%100 %100
101	MP1B	X	321	321	0	%100 %100
102	MP1B	Z	.557	.557	0	
03	M104	X	292	292	0	%100
104	M104	Z	.505	.505	0	%100
105	M109	X	292	292	0	%100
106	M109	Z	.505	.505	0	%100
07	M114	X	0	0	0	%100
08	M114	Z	0	0	0	%100
109	M115	X	344	344	0	%100
110	M115	Z	.595	.595	0	%100
111	M116	X	0	0	0	%100
112	M116	Z	Ō	0	0	%100
112	M117	X	344	344	0	%100
113		Z	.595	.595	0	%100
114	M117	X	263	263	0	%100
115	OVP OVP	Z	.455	.455	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M1	X	195	195	0	%100
2	M1	Z	.113	.113	0	%100
3	MP3A	X	557	557	0	%100
4	MP3A	Z	.321	.321	0	%100
5	MP4A	X	557	557	0	%100
6	MP4A	Z	.321	.321	0	%100
7	MP2A	X	674	674	0	%100
8	MP2A	Z	.389	.389	0	%100
9	MP1A	X	557	557	0	%100
10	MP1A	Z	.321	.321	0	%100
11	M109A	X	78	78	0	%100
12	M109A	Z	.45	.45	0	%100
13	MP4C	X	557	557	0	%100
14	MP4C	Z	.321	.321	0	%100
15	M118A	X	195	195	0	%100
16	M118A	Z	.113	.113	0	%100
17	MP4B	X	557	557	0	%100
18	MP4B	Z	.321	.321	0	%100
19	M127A	X	0	0	0	%100
20	M127A	Z	0	0	0	%100
21	M128A	X	358	358	0	%100
22	M128A	Z	.207	.207	0	%100
23	M130A	X	377	377	0	%100
24	M130A	Z	.218	.218	0	%100
25	M132A	X	-1.054	-1.054	0	%100
26	M132A	Z	.609	.609	0	%100
27	M133A	X	358	358	0	%100
28	M133A	Z	.207	.207	0	%100
29	M135A	X	377	377	0	%100
30	M135A	Z	.218	.218	0	%100
31	M137A	X	-1.054	-1.054	0	%100
32	M137A	Z	.609	.609	0	%100
33	M138A	X	-1.432	-1.432	0	%100
34	M138A	Z	.827	.827	0	%100
35	M140A	X	-1.508	-1.508	0	%100
36	M140A	Z	.871	.871	0	%100
37	M142A	X	-1.054	-1.054	0	%100
38	M142A	Z	.609	.609	0	%100
39	M143A	X	-1.432	-1.432	0	%100
40	M143A	Z	.827	.827	0	%100
41	M145A	X	-1.508	-1.508	0	%100
42	M145A	Z	.871	.871	0	%100
43	M147A	X	-1.054	-1.054	0	%100
44	M147A	Z	.609	.609	0	%100
45	M148A	X	358	358	0	%100
46	M148A	Z	.207	.207	0	%100
47	M150A	X	377	377	0	%100
48	M150A	Z	.218	.218	0	%100
49	M152A	X	0	0	0	%100
50	M152A	Z	0	0	0	%100
51	M153A	X	358	358	0	%100
52	M153A	Z	.207	.207	0	%100
53	M155A	X	377	377	0	%100
54	M155A	Z	.218	.218	0	%100
55	M157A	X	-1.406	-1.406	0	%100
56	M157A	Z	.812	.812	0	%100
57	M158A	X	351	351	0	%100
58	M158A	Z	.203	.203	0	%100
59	M159A	X	351	351	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,% %100
60	M159A	Z	.203	.203	0	%100
61	M160A	X	766	766	0	%100 %100
62	M160A	Z	.442	.442	0	%100 %100
63	M161A	X	192	192	0	
64	M161A	Z	.111	.111	0	%100
65	M162A	X	192	192	0	%100
66	M162A	Z	.111	.111	0	%100
57	M163A	X	625	625	0	%100
	M163A	Z	.361	.361	0	%100
88	M164A	X	0	0	0	%100
69	M164A	Z	0	0	0	%100
70		X	625	625	0	%100
71	M165A	Z	.361	.361	0	%100
72	M165A	X	191	191	0	%100
73	M171A		.11	.11	0	%100
74	M171A	Z	781	781	0	%100
75	M173A	X		.451	0	%100
76	M173A	Z	.451	2	0	%100
77	M177A	X	2	.115	0	%100
78	M177A	Z	.115	2	0	%100
79	M179A	X	2		0	%100
30	M179A	Z	.115	.115		%100
31	M183A	X	781	781	0	
32	M183A	Z	.451	.451	0	%100
33	M185A	X	191	191	0	%100
34	M185A	Z	.11	.11	0	%100
35	M189A	X	766	766	0	%100
36	M189A	Z	.442	.442	0	%100
87	M190A	X	192	192	0	%100
	M190A	Z	.111	.111	0	%100
88	M191A	X	192	192	0	%100
89	M191A	Z	.111	.111	0	%100
90		X	557	557	0 -	%100
91	MP3C	Ž	.321	.321	0	%100
92	MP3C	X	674	674	0	%100
93	MP2C		.389	.389	0	%100
94	MP2C	Z	557	557	0	%100
95	MP1C	X	.321	.321	0	%100
96	MP1C	Z		557	0	%100
97	MP3B	X	557	.321	0	%100
98	MP3B	Z	.321		0	%100
99	MP2B	X	674	674	0	%100
100	MP2B	Z	.389	.389		%100
01	MP1B	X	557	557	0	
02	MP1B	Z	.321	.321	0	%100
03	M104	X	168	168	0	%100
104	M104	Z	.097	.097	0	%100
105	M109	X	674	674	0	%100
106	M109	Z	.389	.389	0	%100
	M114	X	168	168	0	%100
107	M114	Z	.097	.097	0	%100
108		X	794	794	0	%100
109	M115	Z	.458	.458	0	%100
110	M115		198	198	0	%100
111	M116	X	.115	.115	Ŏ	%100
112	M116	Z		198	0	%100
113	M117	X	198	.115	0	%100
114	M117	Z	.115		0	%100
115	OVP	X	455	455	0	%100
116	OVP	Z	.263	.263	U	/0100

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

1	Member Label M1	Direction X	Start Magnitude[lb/ft 0	.End Magnitude[ib/ft	Start Location[ft,%]	End Location[ft,%] %100
2	M1	Z	0	0	0	%100
3	MP3A	X	643	643	0	%100
4	MP3A	Z	0	0	0	%100
5	MP4A	X	643	643	0	%100
6	MP4A	Z	0	0	Ŏ	%100
7	MP2A	X	778	778	0	%100 %100
8	MP2A	Z	0	0	0	%100
9	MP1A	X	643	643	0	%100 %100
10	MP1A	Z	0	0	0	%100 %100
11	M109A	X	675	675	0	%100 %100
12	M109A	Z	0	0	0	%100 %100
13	MP4C	X	643	643	0	%100 %100
14	MP4C	Z	0	0	0	%100 %100
15	M118A	X	675	675	0	
16	M118A	Z	0	0	0	%100
17	MP4B	X	643	643	0	%100
18	MP4B	Z	0	043	0	%100
19	M127A	X	406	406	0	%100
20	M127A	Z	0	408	0	%100
21	M128A	X	0	0		%100
22	M128A	Z	0	0	0	%100
23	M130A	X	0	0	0	%100
24	M130A	Z	0		0	%100
25	M132A	X	406	0	0	%100
26	M132A	Ž	406	406	0	%100
27	M133A	X		0	0	%100
28	M133A	Z	0	0	0	%100
29	M135A	X	0	0	0	%100
30	M135A	Z	0	0	0	%100
31	M137A	X		0	0	%100
32	M137A	Z	406	406	0	%100
33	M138A	X	0	0	0	%100
34	M138A		-1.24	-1.24	0	%100
35	M140A	Z X	0	0	0	%100
36	M140A	Z	-1.306	-1.306	0	%100
37	M142A		0	0	0	%100
38	M142A	Z	-1.623	-1.623	0	%100
39	M143A		0	0	0	%100
40	M143A	X	-1.24	-1.24	0	%100
41	M145A	Z	0	0	0	%100
42		X	-1.306	-1.306	0	%100
43	M145A	Z	0	0	0	%100
44	M147A	X	-1.623	-1.623	0	%100
45	M147A	Z	0	0	0	%100
	M148A	X	-1.24	-1.24	0	%100
46	M148A	Z	0	0	0	%100
47	M150A	X	-1.306	-1.306	0	%100
48	M150A	Z	0	0	0	%100
49	M152A	X	406	406	0	%100
50	M152A	Z	0	0	0	%100
51	M153A	X	-1.24	-1.24	0	%100
52	M153A	Z	0	0	0	%100
53	M155A	X	-1.306	-1.306	0	%100
54	M155A	Z	0	0	0	%100
55	M157A	X	-1.218	-1.218	0	%100
56	M157A	Z	0	0	0	%100
57	M158A	X	0	0	Ů.	%100
58	M158A	Z	0	0	0	%100
59	M159A	X	-1.218	-1.218	0	%100 %100

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

	Member Label	Direction		End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft.9
60	M159A	Z	0	663	0	%100 %100
61	M160A	X	663	003	0	%100
62	M160A	Z	0	0	0	%100
63	M161A	X	0	0	0	%100
64	M161A	Z	0	663	0	%100
65	M162A	X	663		0	%100
66	M162A	Z	0	0	0	%100 %100
67	M163A	X	962	962 0	0	%100 %100
68	M163A	Z	0		0	%100
69	M164A	X	24	24	0	%100
70	M164A	Z	0	0	0	%100
71	M165A	X	24	24	0	%100 %100
72	M165A	Z	0	0	0	%100
73	M171A	X	671	671	0	%100
74	M171A	Z	0	0	0	%100
75	M173A	X	671	671		%100
76	M173A	Z	0	0	0	%100
77	M177A	X	-4.2e-5	-4.2e-5	0	%100 %100
78	M177A	Z	0	0		%100 %100
79	M179A	X	682	682	0	%100 %100
80	M179A	Z	0	0	0	%100 %100
81	M183A	X	682	682	0	%100 %100
82	M183A	Z	0	0	0	%100 %100
83	M185A	X	-4.2e-5	-4.2e-5	0	%100 %100
84	M185A	Z	0	0	0	%100 %100
85	M189A	X	663	663	0	
86	M189A	Z	0	0	0	%100 %100
87	M190A	X	0	0	0	
88	M190A	Z	0	0	0	%100 %100
89	M191A	X	663	663	0	
90	M191A	Z	0	0	0	%100
91	MP3C	X	643	643	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	778	778	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-,643	643	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	643	643	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	778	778	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	643	643	0	%100
102	MP1B	Z	0	0	0 41	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M109	X	583	583	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	583	583	0	%100
108	M114	Z	0	0	0	%100
109	M115	X	687	687	0	%100
110	M115	Z	0	0	0	%100
111	M116	X	687	687	0	%100
112	M116	Z	0	0	0	%100
	M117	X	0	0	0	%100
113	M117	Z	0	0	0	%100
114		X	525	525	0	%100
115	OVP OVP	Z	0	0	0	%100

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

4 1	Member Label	Direction	Start Magnitude[lb/ft		Start Location[ft,%]	End Location[ft,%]
1	<u>M1</u>	X	195	195	0	%100
2	M1	Z	113	113	0	%100
3	MP3A	X	557	557	0	%100
4	MP3A	Z	321	321	0	%100
5	MP4A	X	557	557	0	%100
6	MP4A	Z	321	321	0	%100
7	MP2A	X	674	674	0	%100
8	MP2A	Z	389	389	0	%100
9	MP1A	X	557	557	0	%100
10	MP1A	Z	321	321	0	%100
11	M109A	X	195	195	0	%100 %100
12	M109A	Z	113	113	0	%100
13	MP4C	X	557	557	0	%100
14	MP4C	Z	321	321	0	%100
15	M118A	X	78	78	0	
16	M118A	Z	45			%100
17	MP4B	X	557	45	0	%100
18	MP4B	Z		557	0	%100
19	M127A		321	321	0	%100
	M127A	X	-1.054	-1.054	0	%100
20 21	M128A	Z	609	609	0	%100
		X	358	358	0	%100
22	M128A	Z	207	207	0	%100
23	M130A	X	377	377	0	%100
24	M130A	Z	218	218	0	%100
25	M132A	X	0	0	0	%100
26	M132A	Z	0	0	0	%100
27	M133A	X	358	358	0	%100
28	M133A	Z	207	207	0	%100
29	M135A	X	377	377	0	%100
30	M135A	Z	218	218	0	%100
31	M137A	X	0	0	0	%100
32	M137A	Z	0	0	0	%100
33	M138A	X	358	358	0	%100
34	M138A	Z	207	207	0	%100
35	M140A	X	377	377	0	%100 %100
36	M140A	Z	218	218	0	%100 %100
37	M142A	X	-1.054	-1.054	0	%100
38	M142A	Z	609	609	0	%100 %100
39	M143A	X	358	358	0	
40	M143A	Z	207	207		%100
41	M145A	X	377	377	0	%100
42	M145A	Z	218	218	0	%100
43	M147A	X	-1.054		0	%100
14	M147A	Z		-1.054	0	%100
45			609	609	0	%100
	M148A	X	-1.432	-1.432	0	%100
16	M148A	Z	827	827	0	%100
17	M150A	X	-1.508	-1.508	0	%100
18	M150A	Z	871	871	0	%100
19	M152A	X	-1.054	-1.054	0	%100
0	M152A	Z	609	609	0	%100
51	M153A	X	-1.432	-1.432	0	%100
52	M153A	Z	827	827	0	%100
3	M155A	X	-1.508	-1.508	0	%100
54	M155A	Z	871	871	0	%100
55	M157A	X	351	351	0	%100
56	M157A	Z	203	203	0	%100
57	M158A	X	351	351	0	%100 %100
8	M158A	Z	203	203	0	%100 %100
59	M159A	X	-1.406	-1.406	0	%100 %100

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

	Member Label	Direction		.End Magnitude[lb/ft,	Start Location[ft.%]	End Location[ft,% %100
60	M159A	Z	812	812	0	%100 %100
61	M160A	X	192	192		%100 %100
62	M160A	Z	111	111	0	%100 %100
63	M161A	X	192	192	0	%100
64	M161A	Z	111	-,111		%100 %100
65	M162A	X	766	766	0	%100
66	M162A	Z	442	442	0	%100 %100
67	M163A	X	625	625		%100
86	M163A	Z	361	361	0	%100
69	M164A	X	625	625	0	%100
70	M164A	Z	361	361		%100
71	M165A	X	0	0	0	%100 %100
72	M165A	Z	0	0		%100 %100
73	M171A	X	781	781	0	%100 %100
74	M171A	Z	451	451	0	%100 %100
75	M173A	X	191	191		%100
76	M173A	Z	11	11	0	%100 %100
77	M177A	X	191	191	0	%100 %100
78	M177A	Z	11	11	0	%100
79	M179A	X	781	781	0	%100 %100
30	M179A	Z	451	451	0	%100 %100
81	M183A	X	2	- 2	0	%100
32	M183A	Z	115	115	0	%100 %100
33	M185A	X	2	- 2	0	%100 %100
34	M185A	Z	115	115	0	
35	M189A	X	192	192	0	%100
36	M189A	Z	111	111	0	%100
37	M190A	X	192	192	0	%100
88	M190A	Z	111	111	0	%100
89	M191A	X	766	766	0	%100
90	M191A	Z	442	442	0	%100
91	MP3C	X	557	557	0	%100
92	MP3C	Z	321	321	0	%100
93	MP2C	X	674	674	0	%100
94	MP2C	Z	389	389	0	%100
95	MP1C	X	557	557	0	%100
96	MP1C	Z	321	321	0	%100
97	MP3B	X	557	557	0	%100
98	MP3B	Z	321	321	0	%100
99	MP2B	X	674	674	0	%100
00	MP2B	Z	389	389	0	%100
01	MP1B	X	557	557	0	%100
02	MP1B	Z	321	321	0	%100
03	M104	X	168	-,168	0	%100
04	M104	Z	097	097	0	%100
05	M109	X	168	168	0	%100
06	M109	Z	097	097	0	%100
07	M114	X	674	674	0	%100
08	M114	Z	389	389	0	%100
09	M115	X	198	198	0	%100
10	M115	Z	115	115	0	%100
11	M116	X	794	794	0	%100
112	M116	Z	458	458	0	%100
	M117	X	198	198	0	%100
13	M117	Z	115	115	0	%100
14	OVP	X	-,455	455	0	%100
115	OVP	Z	263	263	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,		Start Location[ft,%]	End Location[ft,%]
1	<u>M1</u>	X	338	338	0	%100
2	M1	Z	585	585	0	%100
3	MP3A	X	321	321	0	%100
4	MP3A	Z	557	557	0	%100
5	MP4A	X	321	321	0	%100
6	MP4A	Z	557	557	0	%100
7	MP2A	X	389	389	0	%100
8	MP2A	Z	674	674	0	%100
9	MP1A	X	321	321	0	%100
10	MP1A	Z	557	557	0	%100
11	M109A	X	0	0	0	%100
12	M109A	Z	0	0	0	%100
13	MP4C	X	321	321	0	%100
14	MP4C	Z	557	557	0	%100
15	M118A	X	338	338	0	%100
16	M118A	Z	585	585	0	%100
17	MP4B	X	321	321	0	%100
18	MP4B	Z	557	557	0	%100 %100
19	M127A	X	812	812	0	%100
20	M127A	Z	-1.406	-1.406	0	%100
21	M128A	X	62	62	0	%100
22	M128A	Z	-1.074	-1.074	0	%100
23	M130A	X	653	653	0	%100
24	M130A	Z	-1.131	-1.131	0	%100 %100
25	M132A	X	203	203		
26	M132A	Ž	351		0	%100
27	M133A	X		351	0	%100
28	M133A	Z	62	62	0	%100
29	M135A		-1.074	-1.074	0	%100
		X	653	653	0	%100
30	M135A	Z	-1.131	-1.131	0	%100
31	M137A	X	203	203	0	%100
32	M137A	Z	351	351	0	%100
33	M138A	X	0	0	0	%100
34	M138A	Z	0	0	0	%100
35	M140A	X	0	0	0	%100
36	M140A	Z	0	0	0	%100
37	M142A	X	203	203	0	%100
38	M142A	Z	351	351	0	%100
39	M143A	X	0	0	0	%100
40	M143A	Z	0	0	0	%100
41	M145A	X	0	0	0	%100
42	M145A	Z	0	0	0	%100
43	M147A	X	203	203	0	%100
44	M147A	Z	351	351	0	%100
45	M148A	X	62	62	0	%100
46	M148A	Z	-1.074	-1.074	0	%100
47	M150A	X	653	653	0	%100
48	M150A	Z	-1.131	-1.131	0	%100
49	M152A	X	812	812	0	%100
50	M152A	Z	-1.406	-1.406	0	%100
51	M153A	X	62	62	0	%100
52	M153A	Z	-1.074	-1.074	Ö	%100
53	M155A	X	653	653	0	%100
54	M155A	Z	-1.131	-1.131	0	%100
55	M157A	X	0	0	0	%100 %100
56	M157A	Z	0	0	Ö	%100 %100
57	M158A	X	609	609	0	%100 %100
58	M158A	Z	-1.054	-1.054	0	%100 %100
59	M159A	X	609	609	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	O O	End Location[ft.9
60	M159A	Z		0	0	%100
61	M160A	X	0	0	0	%100
62	M160A	Z	332	332	0	%100
63	M161A	X		575	0	%100
64	M161A	Z	575	332	0	%100
65	M162A	X	332	575	0	%100
66	M162A	Z	575		0	%100
67	M163A	X	12	12	0	%100 %100
68	M163A	Z	208	208	0	%100
69	M164A	X	-,481	481	0	%100 %100
70	M164A	Z	833	833	0	%100
71	M165A	X	12	12	0	%100
72	M165A	Z	208	208		%100 %100
73	M171A	X	341	341	0	%100 %100
74	M171A	Z	59	59	0	
75	M173A	X	-2.1e-5	-2.1e-5	0	%100
76	M173A	Z	-3.7e-5	-3.7e-5	0	%100
77	M177A	X	336	336	0	%100
78	M177A	Z	581	-,581	0	%100
79	M179A	X	336	336	0	%100
80	M179A	Z	581	581	0	%100
81	M183A	X	-2.1e-5	-2.1e-5	0	%100
82	M183A	Z	-3.7e-5	-3.7e-5	0	%100
83	M185A	X	341	341	0	%100
	M185A	Z	59	59	0	%100
84	M189A	X	0	0	0	%100
85	M189A	Z	0	0	0	%100
86		X	332	332	0	%100
87	M190A	Z	575	575	0	%100
88	M190A	X	332	332	0	%100
89	M191A	Z	575	-,575	0	%100
90	M191A	X	-:321	321	0	%100
91	MP3C	Z	557	557	Ö	%100
92	MP3C		389	389	0	%100
93	MP2C	X	674	674	0	%100
94	MP2C	Z		321	0	%100
95	MP1C	X	321	557	Ö	%100
96	MP1C	Z	557	321	0	%100
97	MP3B	X	-,321	557	0	%100
98	MP3B	Z	557		0	%100
99	MP2B	X	389	389	0	%100
100	MP2B	Z	674	674	0	%100 %100
01	MP1B	X	-,321	321	0	%100
102	MP1B	Z	557	557	0	%100
103	M104	X	292	292		%100 %100
104	M104	Z	505	505	0	%100 %100
105	M109	X	0	0	0	%100 %100
106	M109	Z	0	0	0	
107	M114	X	292	292	0	%100
108	M114	Z	505	505	0	%100
109	M115	X	0	0	0	%100
110	M115	Z	0	0	0	%100
111	M116	X	344	344	0	%100
112	M116	Z	595	595	0	%100
113	M117	X	344	344	0	%100
114	M117	Z	595	595	0	%100
115	OVP	X	263	263	0	%100
116	OVP	Z	455	455	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft.%]	End Location[ft,%]
1	M171A	Y	-3.512	-6.647	0	.836
2	M171A	Y	-6.647	-8.336	.836	1.671
3	M171A	Y	-8.336	-7.102	1.671	2.507
4	M171A	Y	-7.102	-4.455	2.507	3.343
5	M171A	Y	-4.455	-1.875	3.343	4,178
6	M173A	Y	-3.506	-6.613	0	.836
7	M173A	Y	-6.613	-8.27	.836	1.671
8	M173A	Y	-8.27	-6.962	1.671	2.507
9	M173A	Y	-6.962	-4,253	2.507	3.343
10	M173A	Υ	-4.253	-1.661	3.343	4.178
11	M177A	Y	-3,513	-6.647	0	.836
12	M177A	Y	-6.647	-8.337	.836	1.671
13	M177A	Y	-8.337	-7.102	1.671	2.507
14	M177A	Y	-7.102	-4.454	2.507	3.343
15	M177A	Y	-4.454	-1.873	3.343	4.178
16	M179A	Y	-3,506	-6.614	0	.836
17	M179A	Y	-6.614	-8.27	.836	1,671
18	M179A	Y	-8.27	-6.961	1.671	2.507
19	M179A	Y	-6.961	-4.254	2.507	3.343
20	M179A	Y	-4.254	-1,662	3.343	4.178
21	M183A	Y	-3.504	-6.643	0	.836
22	M183A	Y	-6.643	-8.341	.836	1.671
23	M183A	Y	-8,341	-7,105	1.671	2.507
24	M183A	Y	-7.105	-4.452	2.507	3.343
25	M183A	Y	-4.452	-1.878	3.343	4.178
26	M185A	Y	-3.506	-6.614	0	.836
27	M185A	Y	-6.614	-8.27	.836	1.671
28	M185A	Y	-8.27	-6.963	1.671	2.507
29	M185A	Y	-6.963	-4.256	2.507	3.343
30	M185A	Y	-4.256	-1.658	3.343	4.178

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft.%]
1	M171A	Y	-6.874	-13.009	0	.836
2	M171A	Y	-13.009	-16,315	.836	1.671
3	M171A	Y	-16.315	-13.899	1.671	2.507
4	M171A	Y	-13.899	-8.72	2.507	3.343
5	M171A	Y	-8.72	-3.669	3.343	4.178
6	M173A	Y	-6.861	-12.943	0	.836
7	M173A	Y	-12.943	-16.186	.836	1.671
8	M173A	Y	-16.186	-13.624	1.671	2.507
9	M173A	Y	-13.624	-8.324	2,507	3.343
10	M173A	Y	-8.324	-3.251	3.343	4.178
11	M177A	Y	-6.875	-13.01	0	.836
12	M177A	Y	-13.01	-16.317	.836	1.671
13	M177A	Y	-16.317	-13.9	1.671	2.507
14	M177A	Y	-13.9	-8.718	2.507	3.343
15	M177A	Y	-8.718	-3.666	3.343	4.178
16	M179A	Y	-6.861	-12,944	0	.836
17	M179A	Y	-12.944	-16.185	.836	1.671
18	M179A	Y	-16.185	-13.623	1.671	2.507
19	M179A	Y	-13.623	-8.325	2.507	3.343
20	M179A	Y	-8.325	-3.252	3.343	4.178
21	M183A	Y	-6.859	-13.001	0.040	.836
22	M183A	Y	-13.001	-16.325	.836	1.671
23	M183A	Y	-16.325	-13.905	1.671	2.507
24	M183A	Y	-13.905	-8.713	2.507	3.343
25	M183A	Y	-8.713	-3.676	3.343	4.178

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

	2206 TOTAL TO AND	Direction	Start Magnitude[lb/ft.	End Magnitude(lb/ft,	Start Location[ft.%]	End Location[ft,%]
00 [Member Label	Direction	-6.862	-12.945	0	.836
26	M185A	V	-12.945	-16.184	.836	1.671
27	M185A	V	-16.184	-13.627	1.671	2,507
27 28 29	M185A	1	-13.627	-8.329	2,507	3,343
	M185A	Y.		-3.244	3,343	4.178
30	M185A	Y	-8.329	-3.244	0.0-10	

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

	11 - 12 - 12 - 12 - 12	Direction	Start Magnitude[]b/ft	End Magnitude[lb/ft,	Start Location[ft.%]	End Location[ft,%
4	Member Label M171A	I Y	138	261	0	.836
1		Y	261	327	.836	1.671
2	M171A	Y	327	279	1.671	2.507
3	M171A	Y	279	175	2.507	3.343
4	M171A	Y	-,175	074	3.343	4.178
5	M171A		138	259	0	.836
6	M173A	Y	259	324	.836	1.671
7	M173A	Y		273	1.671	2.507
8	M173A	Y	324	167	2.507	3.343
9	M173A	Y	273	065	3.343	4.178
10	M173A	Y	167	261	0	.836
11	M177A	Y	138	327	.836	1,671
12	M177A	Y	261	279	1.671	2.507
13	M177A	Y	327		2.507	3.343
14	M177A	Y	279	175	3.343	4.178
15	M177A	Y	175	073	0	.836
16	M179A	Y	138	259	.836	1.671
17	M179A	Υ	259	324		2.507
18	M179A	Y	324	273	1.671	3.343
19	M179A	Y	273	167	2.507	4.178
20	M179A	Y	167	065	3.343	
21	M183A	Y	137	261	0	.836
22	M183A	Y	261	327	.836	1.671
23	M183A	Y	327	279	1.671	2.507
24	M183A	Y	279	175	2.507	3.343
25	M183A	Y	175	074	3.343	4.178
26	M185A	Y	138	259	0	.836
	M185A	Y	-,259	324	.836	1.671
27	M185A	Y	324	273	1.671	2.507
	M185A	Y	273	167	2.507	3.343
30	M185A	Y	167	065	3.343	4.178

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

	TACTIVE STEADY	Direction	Start Magnitude(Ib/ft	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
	Member Label	7	344	652	0	.836
1	M171A	Z	-,652	818	.836	1.671
2	M171A			697	1.671	2.507
3	M171A	Z	818		2.507	3.343
4	M171A	Z	697	-,437		4.178
5	M171A	Z	437	184	3.343	.836
6	M173A	Z	344	649	0	
7	M173A	Z	649	811	.836	1.671
8	M173A	7	811	683	1.671	2.507
	M173A	7	683	417	2.507	3.343
9	M173A	Z	-,417	163	3.343	4.178
10		7	345	652	0	.836
11	M177A	Z	-,652	-,818	.836	1.671
12	M177A	7	818	697	1.671	2.507
13	M177A			437	2.507	3.343
14	M177A		697		3.343	4.178
15	M177A	Z	437	184	0	.836
16	M179A	Z	344	649		1.671
17	M179A	Z	649	811	.836	1.071

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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,	Start Location[ft,%]	End Location[ft,%]
18	M179A	Z	811	683	1.671	2.507
19	M179A	Z	683	417	2.507	3.343
20	M179A	Z	417	-,163	3.343	4.178
21	M183A	Z	344	651	0.040	.836
22	M183A	Z	651	818	.836	1.671
23	M183A	Z	818	697	1,671	2.507
24	M183A	Z	697	-,437	2.507	3.343
25	M183A	Z	437	184	3.343	4.178
26	M185A	Z	344	649	0	,836
27	M185A	7	649	811	.836	1.671
28	M185A	7	811	683	1.671	2.507
29	M185A	7	683	417	2.507	3.343
30	M185A	Z	417	163	3.343	4.178

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

	Member Label	Direction	Start Magnitudelib/ft.	End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
1	M171A	X	344	.652	0	.836
2	M171A	X	.652	.818	.836	1.671
3	M171A	X	.818	.697	1.671	2.507
4	M171A	X	.697	.437	2.507	3.343
5	M171A	X	.437			4.178
6	M173A	X	.344	.649	3.343	.836
7	M173A	X	.649	.811	.836	1,671
8	M173A	X	.811	.683	1.671	2.507
9	M173A	X	.683	.417	2.507	3.343
10	M173A	X	.417	.163	3.343	4.178
11	M177A	X	.345	.652	0.040	.836
12	M177A	X	.652	.818	.836	1.671
13	M177A	X	.818	.697	1.671	2.507
14	M177A	X	.697	.437	2.507	3.343
15	M177A	X	.437	.184	3.343	4.178
16	M179A	X	.344	.649	0.040	.836
17	M179A	X	.649	.811	.836	1.671
18	M179A	X	.811	.683	1,671	2,507
19	M179A	X	.683	.417	2.507	3.343
20	M179A	X	.417	.163	3.343	4.178
21	M183A	X	.344	.651	0	836
22	M183A	X	.651	.818	.836	1.671
23	M183A	X	.818	697	1.671	2.507
24	M183A	X	.697	.437	2.507	3.343
25	M183A	X	.437	.184	3.343	4.178
26	M185A	X	.344	.649	0	.836
27	M185A	Х	.649	.811	.836	1.671
28	M185A	X	.811	.683	1.671	2.507
29	M185A	X	.683	.417	2.507	3.343
30	M185A	X	.417	.163	3.343	4.178

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N247A	N249A	N252A	N246A	Y	Two Way	005
2	N259A	N254A	N255A	N257A	Y	Two Way	005
3	N267A	N265A	N263A	N262A	Ý	Two Way	005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude(ksf)
1	N247A	N249A	N252A	N246A	Y	Two Way	01
						THO TTUY	01

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
2	N259A	N254A	N255A	N257A	Y	Two Way	01
3	N267A	N265A	N263A	N262A	Y	Two Way	01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
	N247A	N249A	N252A	N246A	Y	Two Way	000204
1	N259A	N254A	N255A	N257A	Y	Two Way	000204
2	N259A N267A	N265A	N263A	N262A	Y	Two Way	000204

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

	rata A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	Joint A N247A	N249A	N252A	N246A	Z	Two Way	00051
-		N254A	N255A	N257A	7	Two Way	00051
2	N259A N267A	N265A	N263A	N262A	Z	Two Way	00051

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
4	N247A	N249A	N252A	N246A	X	Two Way	.00051
2	N259A	N254A	N255A	N257A	X	Two Way	.00051
2	N267A	N265A	N263A	N262A	X	Two Way	.00051

Envelope Joint Reactions

	Joint		X [lb]	LC	Y IIbī	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N238B	max			2420,626		1927.152	1	4.87	13	1.467	4	.156	3
2	NZJOD		-1187.326		609.691	7	-2081.514	7	.231	7	-1.448	10	209	9
2	N240B		1396.847			21	1233.068	1	385	3	1.359	12	362	3
3	NZ4UB	min	-1556.297	4	574.178	3	-1171.038	7	-2.38	21	-1.398	6	-3.953	21
4	NOADD		1622.411		2188.463	17	1275.299	1	085	11	1,359	8	4.345	41
5	N242B		-1440.901	The Court of	537.771	11	-1182.986	7	-2.756	41	-1.355	2	.371	11
6		411011		5		17	4435.519	1	2.100	17.	11000			
7	Totals:		4126.215				-4435.538	7	7	+				
8		min	-4126.221	4	2354.215	14	-4455.556			1				

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

LIIVE	Envelope AISC 15th (500-10). ENT B offer Gode Grooke												
	Member	Shape	Code C	. Loc[ft]	LC	Shear			LC	phi*Pnc [l			.phi*Mn zCb Eqn
1	M1	PIPE 3.0	.126	4.557	19	.061	7.943			28250.554	65205	5.749	5.749 2 H1-1b
2	MP3A	PIPE 2.0	.215	3.5	5	.083	3.5		7	20866.733	32130	1.872	1.872 2 H1-1b
3	MP4A	PIPE 2.0	.139	3.5	5	.071	.5			20866.733	32130	1.872	1.872 2 H1-1b
4	MP2A	PIPE 2.5	.240	3.5	1	.057	3.5			37773.818	50715	3.596	3.596 1 H1-1b
5	MP1A	PIPE 2.0	.242	3.5	45	.088	1.438		8	20866.733	32130	1.872	1.872 2 H1-1b
6	M109A	PIPE 3.0		4.557	14	.065	4.557		2	28250.554	65205	5.749	5.749 2 H1-1b
7	MP4C	PIPE 2.0	.161	3.5	1	.075	.5		3	20866.733	32130	1.872	1.872 2 H1-1b
8	M118A	PIPE 3.0		4.557	23	.067	7.943		12	28250.554	65205	5.749	5.749 2 H1-1b
9	MP4B	PIPE 2.0	.146	3.5	9	.078	.5		11	20866.733	32130	1.872	1.872 2 H1-1b
	M127A	PL3/8x6	.288	0	6	.231	0	v	16	70677.939	72900	.57	9.113 1 H1-1b
10	M128A	PL3/8x6	.198	.167	2	.323	0			71601.728	72900	.57	9.113 1 H1-1b
11		PL1/2X6	.041	.112	9	.059	.112	v		96757.507	97200	1.012	12.15 1 H1-1b
12	M130A	PL3/8x6	.247	0	8	.283	0	v		70677.939	72900	.57	9.113 1 H1-1b
13	M132A	PL3/8x6	.215	.167	12	.298	0			71601.728	72900	.57	9.113 1 H1-1b
14	M133A		.042	.112	5	.154	0			96757.507	97200	1.012	12.15 1 H1-1b
15	M135A	PL1/2X6		0	2	.238	0			70677.939	72900	.57	9.113 1 H1-1b
16	M137A	PL3/8x6	.279				_	_		71601.728	72900	.57	9.113 1 H1-1b
17	M138A	PL3/8x6	.192	.167	10	.319	0	У					
18	M140A	PL1/2X6	.042	.112	5	.073	.112	У	100	96757.507	97200	1.012	12.15 1 H1-1b
19	M142A	PL3/8x6	.235	0	4	.278	0			70677.939	72900	.57	9.113 1 H1-1b
20	M143A	PL3/8x6	.207	.167	8	.303	0	У	13	71601.728	72900	.57	9.113 1 H1-1b

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

	Member	Shape	Code C.	Locfft	LC	Shear	Locifti	Dir	10	phi*Pnc [l.	nhi*Pnt [lh]	nhi*Mn v-	nhi*Mn z-	Ch	Ean
21	M145A	PL1/2X6	.045	.112	1	.051	10			96757.507	97200	1.012	12.15	1	
22	M147A	PL3/8x6	.272	0	10	.234	0	v	20	70677.939	72900	.57	9.113	1	
23	M148A	PL3/8x6	.199	.167	6	.325	0	v	24	71601.728	72900	.57	9.113	1	H1-1b
24	M150A	PL1/2X6	.046	.112	1	.063	.112	v	9	96757.507	97200	1.012	12.15	1	
25	M152A	PL3/8x6	.247	0	12	.288	0	v	14	70677.939		.57	9.113	1	H1-1b
26	M153A	PL3/8x6	.207	.167	4	.302	0	v	21	71601.728		.57	9.113	1	H1-1b
27	M155A	PL1/2X6	.044	.112	9	.049	0	v	7	96757.507	97200	1.012	12.15	1	
28	M157A	PL1/2X6	.114	.549	3	.104	0	v	6	62715.009		1.012	12.15	1	
29	M158A	PL1/2X6	.117	.549	1	.109	.549	v	22	62715.009		1.012	12.15	1	
30	M159A	PL1/2X6	.115	.549	11	.180	.549	v	38	62715.009		1.012	12.15	1	
31	M160A	HSS4X4X3	.206	2.375	20	.062	2.375			104414.6	106812	12.662	12.662	1	H1-1b
32	M161A	HSS4X4X3	.206	2.375	24	.063	2.375	-	-	104414.6	106812	12.662	12.662	1	H1-1b
33	M162A	HSS4X4X3	.201	2.375	16	.061	2.375	v	17	104414.6	106812	12.662	12.662	1	H1-1b
34	M163A	HSS4X4X4	.303	5.188	13	.066	5.188			124657.7	139518	16.181	16.181	3	H1-1b
35	M164A	HSS4X4X4	.290	5.188	21	.087	5.188	_	-	124657.7	139518	16.181	16,181	3	H1-1b
36	M165A	HSS4X4X4	.319	5.188	43	.080	5.188	v	29	124657.7	139518	16.181	16.181	2	H1-1b
37	M171A	L2x2x3	.126	4.178	12	.013	4.178	v	21	9755.164	23392.8	.558	1.1	1	H2-1
38	M173A	L2x2x3	.153	2.524	2	.012	4.178	z	15	9755.164	23392.8	.558	1.19	1	H2-1
39	M177A	L2x2x3	.134	4.178	7	.013	4.178	v	17	9755.164	23392.8	.558	1.067	1	H2-1
40	M179A	L2x2x3	.149	2.394	11	.012	4.178	z	24	9755.164	23392.8	.558	1.167	1	H2-1
41	M183A	L2x2x3	.127	4.178	3	.014	4.178	v	13	9755.164	23392.8	.558	1.067	1	H2-1
42	M185A	L2x2x3	.154	2.394	7	.012	4.178	z	19	9755.164	23392.8	.558	1.169	1	H2-1
43	M189A	HSS4X4X3	.194	0	22	.053	0	У	20	104414.6	106812	12.662	12.662	1	H1-1b
44	M190A	HSS4X4X3	.196	0	14	.054	0	V	24	104414.6	106812	12.662	12.662	1	H1-1b
45	M191A	HSS4X4X3	.192	0	18	.052	0	У	16	104414.6	106812	12.662	12.662	1	H1-1b
46	MP3C	PIPE 2.0	.253	3.5	1	.088	3.5		3	20866.733	32130	1.872	1.872	2	H1-1b
47	MP2C	PIPE 2.5	.243	3.5	12	.061	3.5		7	37773.818	50715	3.596	3.596	1	H1-1b
48	MP1C	PIPE 2.0	.215	3.5	5	.084	.5		3	20866.733	32130	1.872	1.872	2	H1-1b
49	MP3B	PIPE 2.0	.226	3.5	8	.093	.5		11	20866.733	32130	1.872	1.872	2	H1-1b
50	MP2B	PIPE 2.5	.240	3.5	2	.063	3.5		1	37773.818	50715	3.596	3.596	2	H1-1b
51	MP1B	PIPE 2.0	.248	3.5	1	.096	.5		12	20866.733	32130	1.872	1.872	2	H1-1b
52	M104	PIPE 2.5	.143	6.25	8	.067	11.589		12	14558.792	50715	3.596	3.596	1	H1-1b
53	M109	PIPE 2.5	.144	6.25	2	.070	11.589		2	14558.792	50715	3.596	3.596	1	H1-1b
54	M114	PIPE 2.5	.154	6.25	12	.072	6.25		12	14558.792	50715	3.596	3.596	1	H1-1b
55	M115	L3X3X4	.205	1.494	11	.033	0	z	12	44404.238	46656	1.688	3.756	2	H2-1
56	M116	L3X3X4	.191	1.494	7	.034	0	z	2	44404.238	46656	1.688	3.756	2	H2-1
57	M117	L3X3X4	.204	0	11	.032	0	z	10	44404.238	46656	1.688	3.756	2	H2-1
58	OVP	PIPE 2.0	.156	2.5	1	.020	2.5		1	28843.414	32130	1.872	1.872	1	H1-1b



Client:	Verizon Wireless	Date: 7/3/2023
Site Name:	BETHLEHEM NE CT	
MDG #:	5000247368	
Fuze ID #:	17123741	Page: 1
		Version 1 01

Version 1.01

I. Mount-to-Tower Connection Check

No Custom Orientation Required Yes Tower Connection Bolt Checks

Bolt Orientation

Bolt Quantity per Reaction: dx (in) (Delta X of typ. bolt config. sketch): d_y (in) (Delta Y of typ. bolt config. sketch):

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength / bolt (kips):

Required Shear Strength / bolt (kips):

Tensile Capacity / bolt (kips):

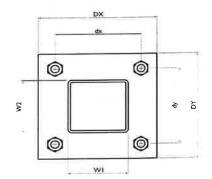
Shear Capacity / bolt (kips):

Bolt Overall Utilization:

4	
 8	
8	
A325N	
0.625	
3.8	
0.6	
20.7	
12.4	
18.6%	

Yes

Parallel



Tower Connection Baseplate Checks

Connecting Standoff Member Shape: Weld Stiffener Configuration:

Plate Width, D_x (in):

Plate Height, D_v (in):

W1(in):

W2 (in):

Member Thickness (in):

Stiffener location a₁ (in):

Stiffener location b₁ (in):

Stiffener location a₂ (in):

Stiffener location b_2 (in):

F_v (ksi, plate):

Plate Thickness (in):

Length of Yield Line, L, (in):

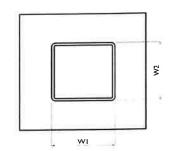
Bolt Eccentricity, e (in):

M_u (kip-in):

 $Phi*M_n (kip-in):$

Plate Bending Utilization:

	Rect Tube	Hal
	No Stiffeners	
	10	
1 1/1	10	
A	4	
	4	
	0.25	
	7	
	36	
	0.75	
	7.85	
	3.06	
	11.78	
	35.77	
	32.9%	



VzW SMART Tool® Vendor

Client:	Verizon Wireless	Date:	7/3/2023
Site Name:	BETHLEHEM NE CT		
MDG #:	5000247368		
Fuze ID #:	17123741	Page:	2

Version 1.01

Tower Connection Weld Checks

Weld Shape:

Weld Stiffener Configuration:

Weld Size (1/16 in):

W1 (in):

W2 (in):

Weld Total Length (in):

 Z_x (in³/in): Z_y (in³/in): J_p (in⁴/in):

c_x (in)

c_y (in)

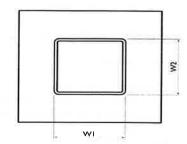
Required combined strength (kip/in):

Weld Capacity (kip/in):

Weld Utilization:

Rectangle	
None	
3	20.,
4	
4	
16.00	
21.33	
21.33	
85.33	
2.25	
2.25	
1.94	
4.18	
46.4%	

Yes

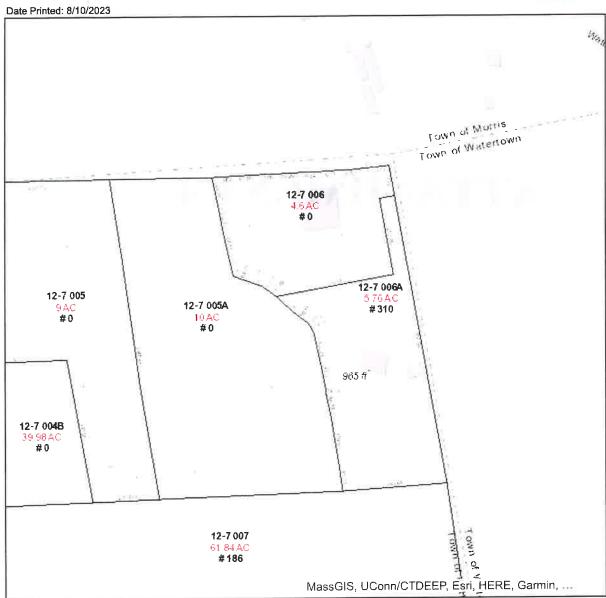


ATTACHMENT 4

Town of Bethlehem

Geographic Information System (GIS)





MAP DISCLAIMER - NOTICE OF LIABILITY

This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The Town of Salisbury and its mapping contractors assume no legal responsibility for the information contained herein.

Approximate Scale: 1 inch = 376 feet





Map Block Lot

12-7 006A

Building #

Section #

Account

102513

Property Information

Property Location	310 WATERTOWN RD			
Owner	SWINGLE GARY J & AMY			
Co-Owner	na			
Maritima Addanas	310 WATERTOWN RD			
Mailing Addres	MORRIS	ст	06763	
Land Use	101	Single Family		
Land Class	R			
Zoning Code	NA			
Census Tract	NA			

Street Index	12	
Acreage	5.76	
Utilities	UNKNOWN	
Lot Setting/Desc	UNKNOWN	UNKNOWN
Additional Info		

Photo

No Photo Available

Sketch

No Photo Available

Primary Construction Details

Year Built	2016
Stories	1
Building Style	Ranch
Building Use	Residential
Building Condition	Α
Interior Floors 1	Ceram Clay Til
Interior Floors 2	Hardwood
Total Rooms	1
Basement Garages	
Occupancy	1.00
Building Grade	C+ A+10
===	
	L

Bedrooms	1 Bedroom
Full Bathrooms	1
Half Bathrooms	0
Extra Fixtures	0
Bath Style	na
Kitchen Style	na
Roof Style	Gable
Roof Cover	Arch. Shingles
АС Туре	03
Fireplaces	

Exterior Walls	Wood Shingle	
Exterior Walls 2	na	
Interior Walls	Drywall	
Interior Walls 2	na	
Heating Type	Forced Air	
Heating Fuel	Electric	
Sq. Ft. Basement		
Fin BSMT Quality		
Extra Kitchens	0	

ATTACHMENT 5



Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender TOTAL NO. of Pieces Received at Post Office	Affix Stamp Here				
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	Postmaster, per (Name of receiving employee)	Postmark with Date of Receipt. neopost 308/11/2023 US POSTAGE \$003.19 ZIP 06103 041L12203937				
USPS [®] Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift	
1. 2. 3.	Stephen F. Sordi, First Selectman Town of Bethlehem 36 Main Street Bethlehem, CT 06751 Jared McCool, Land Use Coordinator Town of Bethlehem 36 Main Street Bethlehem, CT 06751 Gary and Amy Swingle 310 Watertown Road Morris, CT 06763		Alm 11 20			
5.						
6.						