Robinson+Cole

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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 Attachment 2.

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

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

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

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

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

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

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

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

Sincerely,

Kenneth C. Baldwin

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

ATTACHMENT 1

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

March 24, 2006

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.

Very truly yours,

Pamela B. Katz, P.E.
Chairman

PBK/laf

See Attached List.

CSC
CONNECTICUT SITING COUNCIL

ATTACHMENT 2

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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

TECHNICAL SPECIFICATIONS

BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894.1 - 896.5MHz	

ELECTRICAL	
Impedance	50Ohms
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm

DC / AISG	
Passband	0 - 13MHz
Insertion loss	0.3dB maximum
Return loss	15dB minimum
Input voltage range	± 33V
DC current rating	2A continuous, 4A peak
Compliance	3GPP TS 25.461

ENVIRONMENTAL	
For further details of environmental compliance, please contact Kaelus.	
Temperature range	-20°C to +60°C | -4°F to +140°F
Ingress protection	IP67
Altitude	2600m | 8530ft
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.
MTBF	>1,000,000 hours
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE

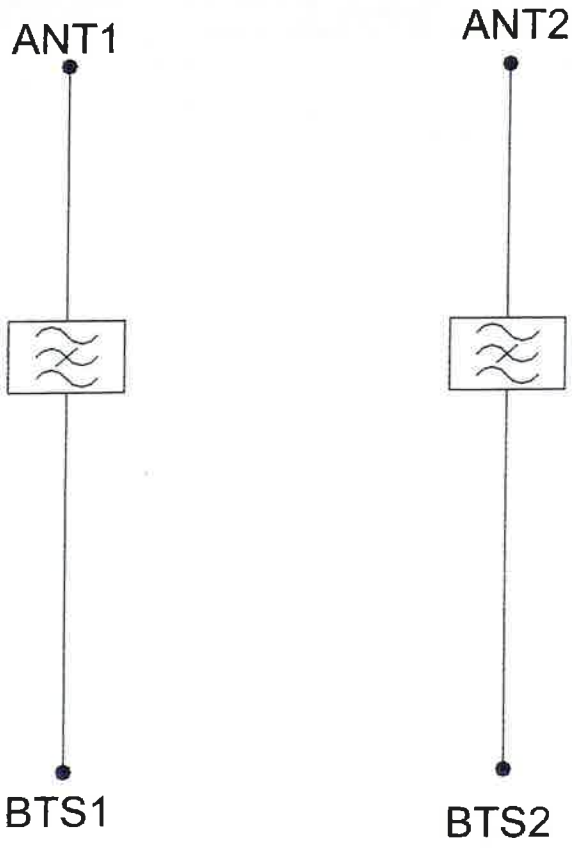
MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm | 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg | 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.

Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ORDERING INFORMATION

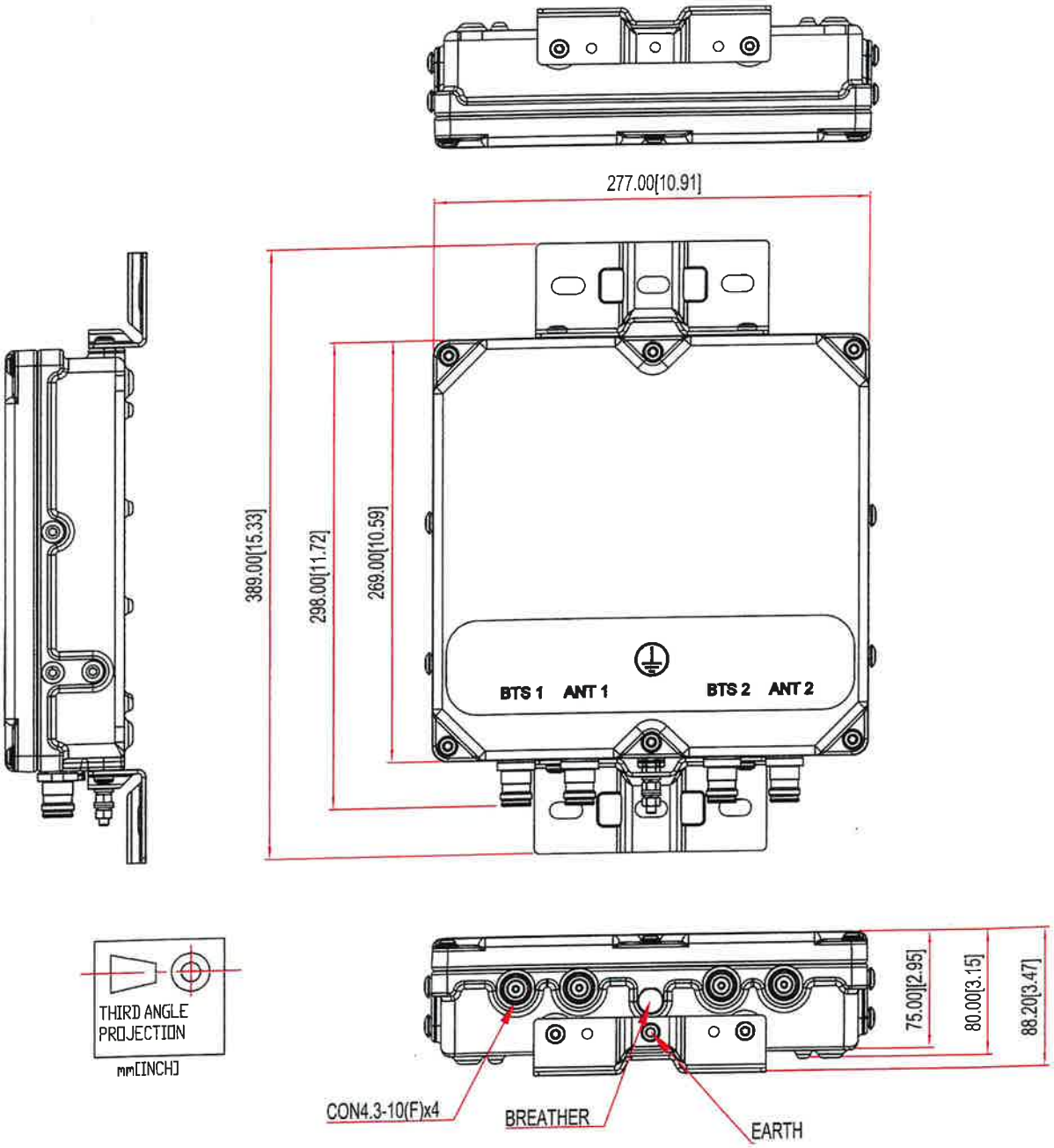
PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
BSF0020F3V1-1	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

ELECTRICAL BLOCK DIAGRAM



Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

MECHANICAL BLOCK DIAGRAM



Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

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

* (2) 3/4" 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	155.0	3	Ericsson AIR6449 B41 - Panel	Low Profile Platform Modified w/ (1) SitePro1 HRK12 +(1) kicker Support kit	(8) 1 5/8" (3) 1.9" Fiber	T-Mobile
16		3	RFS APXVAALL24-43-U-NA20 - Panel			
17		3	Commscope VV-65A-R1 - Panel			
18		3	REMEC S20057A1			
19		3	Ericsson KRY 112 144/1 TMA			
20		3	Kathrein 782 11056 Bias T			
21		3	Ericsson 4460 B25 + B66 - RRU			
22		3	Ericsson 4480 B71 + B85 - RRU			
23	145.0	3	JMA Wireless MX08FRO665-21 - Panel	Platform w/HRK [(1) Commscope MC-PK8-DSH]	(1) 1.75" Hybrid	Dish Wireless
24		3	Fujitsu TA08025-B605 - RRU			
25		3	Fujitsu TA08025-B604 - RRU			
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	175.0	6	Commscope NHH-85B-R2B – Panel	Low Profile Platform with: (3) Commscope BSAMNT-SBS-1-2 [Side-By-Side Mounting Kit] (1) VZWSMART-PLK1 [support rail kit] (3) VZWSMART-MSK2 [Crossover Plate] (1) Site Pro 1 SQCX4-K [Crossover Plate w/square U-bolts] (3)72"x P2.5 STD Mount Pipe (1) 36"x P2.0 STD OVP Pipe	(11) 1 5/8" (1) 1 5/8" Hybrid	Verizon
2		3	Samsung MT6407-77A- Panel			
3		3	Commscope TD-850B-LTE78-43-Diplexer			
4		3	Samsung B5/B13 RRH-BR04C-RRU			
5		3	Samsung B2/B66A RRH-BR049-RRU			
6		1	RFS DB-C1-12C-24AB-0Z-OVP			
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

1. 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.

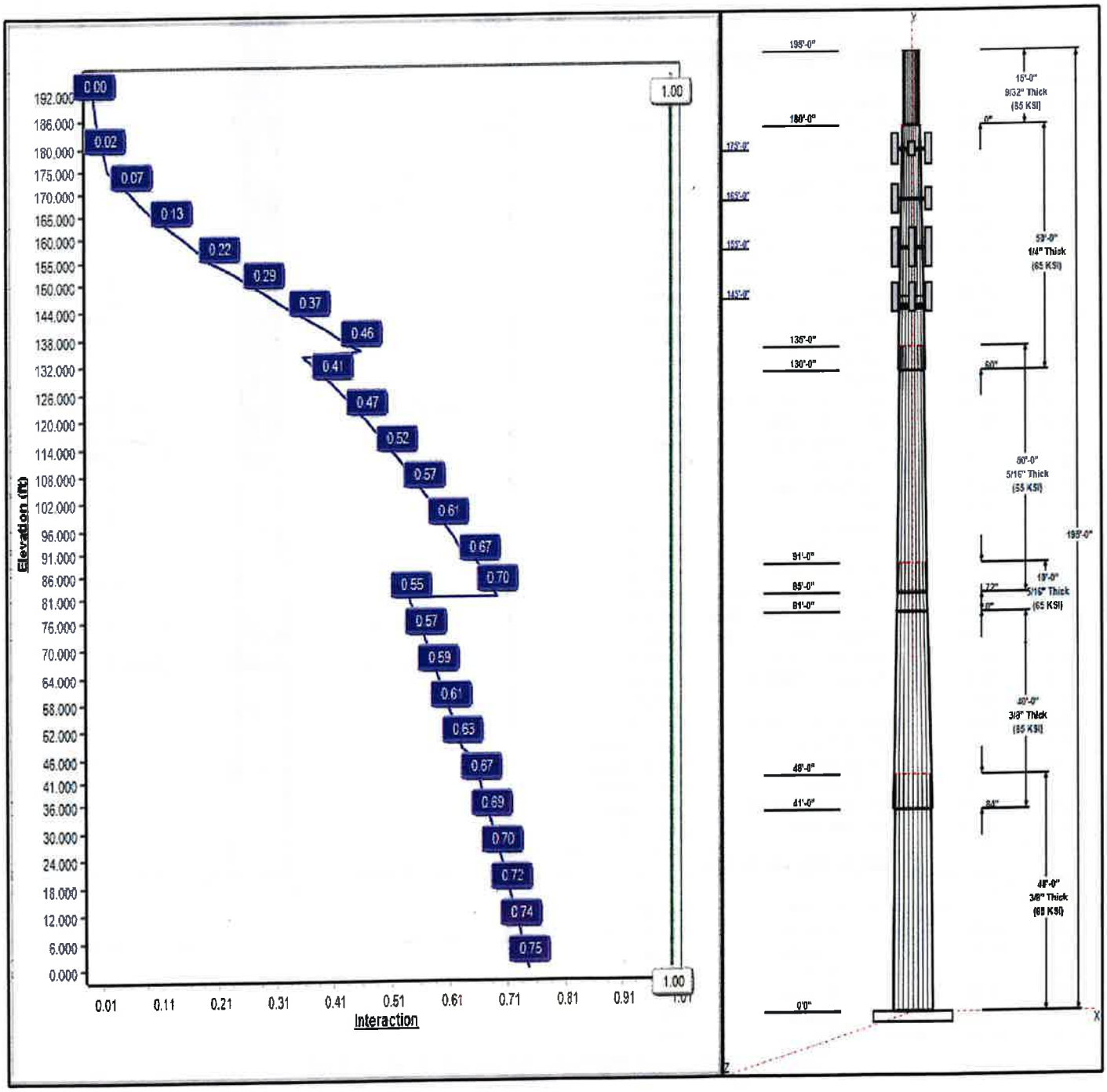
Usage Diagram - Max Ratio 75.03% at 0.0ft

Structure:	CT01501-S-SBA	**Code:**	EIA/TIA-222-H	7/13/2023	
Site Name:	Morris	**Exposure:**	C		
Height:	195.00 (ft)	**Gh:**	1.1	Page: 1	
Base Elev:	0.000 (ft)				

TES Tower Engineering Solutions

Dead Load Factor:	1.20	**Iterations:**	32
Wind Load Factor:	1.00		

Load Case : 1.2D + 1.0W 115 mph Wind



Structure: CT01501-S-SBA

Type: Custom
Site Name: Morris
Height: 195.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.23542

7/13/2023

Tower Engineering Solutions

Shaft Properties

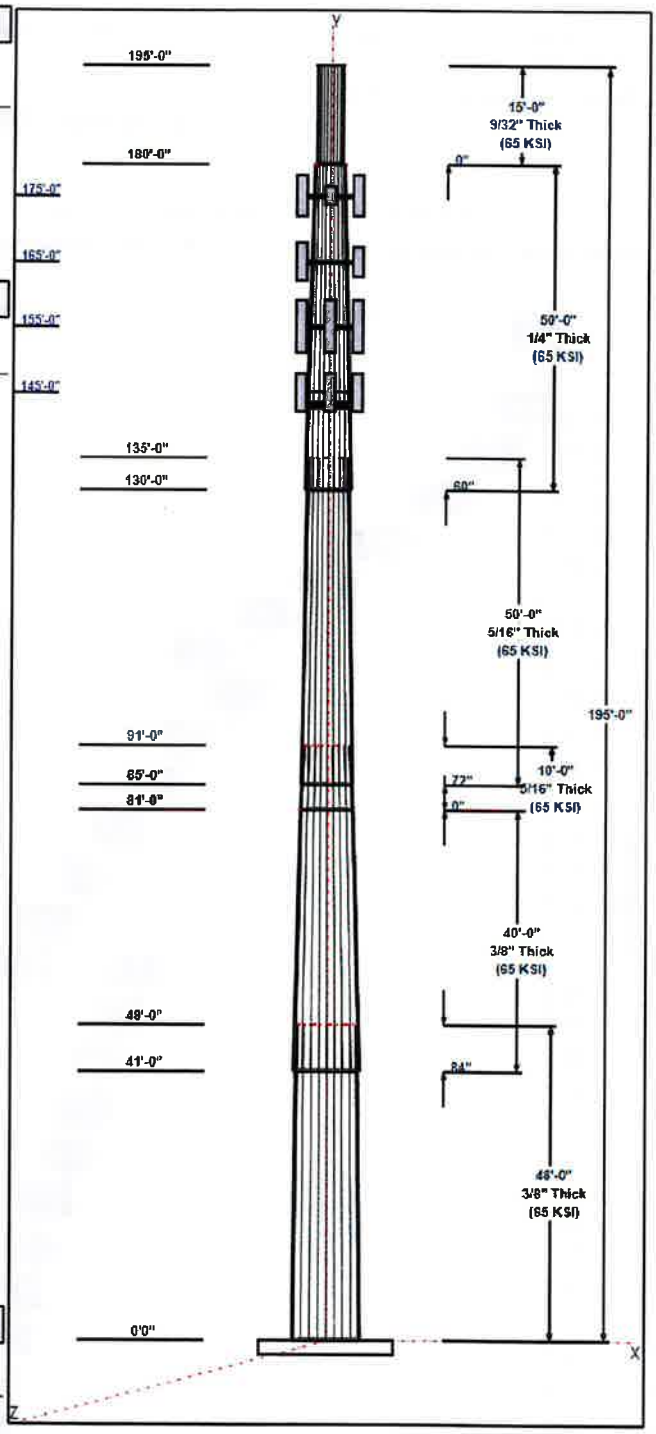
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	48.00	53.20	64.50	0.375		0.23542	65
2	40.00	46.18	55.60	0.375	Slip	0.23542	65
3	10.00	43.83	46.18	0.313	Butt	0.23542	65
4	50.00	34.09	45.86	0.313	Slip	0.23542	65
5	50.00	24.00	35.77	0.250	Slip	0.23542	65
6	15.00	24.00	24.00	0.281	Butt	0.00000	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
175.00	175.00	1	Low Profile Platform	Verizon
175.00	175.00	3	Commscope	Verizon
175.00	175.00	1	HRK14	Verizon
175.00	175.00	6	NHH-85B-R2B	Verizon
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	175.00	2	BSF0020F3V1-1	Verizon
165.00	165.00	6	7770.00	AT&T
165.00	165.00	12	LGP2140X TMA	AT&T
165.00	165.00	6	RRUS-11	AT&T
165.00	165.00	1	AM-X-CD-16-65-00T-RET	AT&T
165.00	165.00	1	ABT-DF-DMADBH	AT&T
165.00	165.00	1	DC6-48-60-18-8F	AT&T
165.00	165.00	2	800 10764	AT&T
165.00	165.00	1	Low Profile Platform	AT&T
155.00	155.00	3	782 11056	T-Mobile
155.00	155.00	3	S20057A1	T-Mobile
155.00	155.00	3	KRY 112 144/1	T-Mobile
155.00	155.00	1	Low Profile Platform	T-Mobile
155.00	155.00	3	Commscope VV-65A-R1	T-Mobile
155.00	155.00	3	Ericsson 4460 B25 + B66	T-Mobile
155.00	155.00	3	Ericsson 4480 B71 + B85	T-Mobile
155.00	155.00	1	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
145.00	145.00	3	TA08025-B605	Dish Wireless
145.00	145.00	3	TA08025-B604	Dish Wireless
145.00	145.00	1	RDIDC-9181-OF-48	Dish Wireless
145.00	145.00	1	MC-PK8-DSH	Dish Wireless

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	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
0.00	165.00	Inside	3" Conduit	AT&T
0.00	165.00	Inside	3/4" DC	AT&T



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

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
24	2.00" A687	105.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
1.5000	51.5	45.0	Round

Reactions

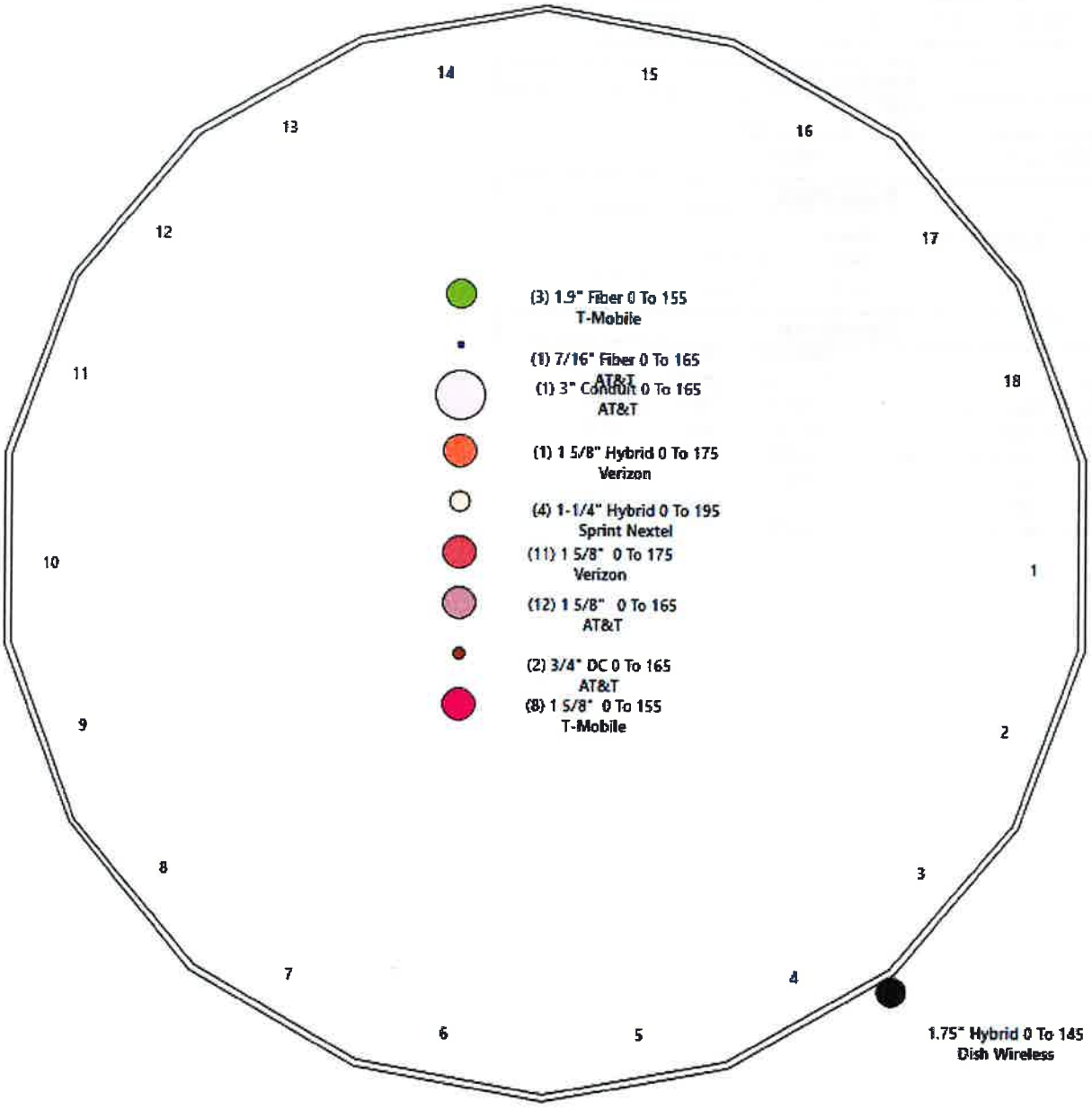
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 115 mph Wind	4503.7	35.6	63.1
0.9D + 1.0W 115 mph Wind	4439.7	35.5	47.3
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1333.6	10.6	82.7
1.2D + 1.0Ev + 1.0Eh	113.2	0.7	65.3
0.9D + 1.0Ev + 1.0Eh	111.9	0.7	49.4
1.0D + 1.0W 60 mph Wind	1087.8	8.7	52.6

Structure: CT01501-S-SBA - Coax Line Placement

Type: Monopole
Site Name: Morris
Height: 195.00 (ft)

7/13/2023

TES Tower Engineering Solutions



Shaft Properties

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 5	

TES Tower Engineering Solutions

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 Shaft Weight:		**32,834**

	Bottom						Top						
Sec. No.	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper
1	64.50	0.00	76.32	39651.33	28.92	172.00	53.20	48.00	62.87	22166.3	23.60	141.8	0.235417
2	55.60	41.00	65.73	25324.08	24.73	148.26	46.18	81.00	54.52	14452.7	20.30	123.1	0.235417
3	46.18	81.00	45.49	12093.31	24.65	147.78	43.83	91.00	43.16	10325.2	23.32	140.2	0.235417
4	45.86	85.00	45.18	11844.57	24.47	146.77	34.09	135.00	33.51	4830.83	17.83	109.1	0.235417
5	35.77	130.0	28.18	4492.97	23.82	143.08	24.00	180.00	18.84	1343.00	15.52	96.00	0.235417
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

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1	175.00	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	175.00	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	165.00	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	145.00	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 Elev. (ft)	Top 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

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

Shaft Section Properties

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 8	

Tower Engineering Solutions

Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.3750	64.500	76.322	39651.3	28.92	172.00	67.4	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	71.3	958.1	464.1
32.00		0.3750	56.967	67.356	27254.2	25.38	151.91	71.6	942.3	460.3
34.00		0.3750	56.496	66.795	26579.6	25.15	150.66	71.8	926.6	456.5
36.00		0.3750	56.025	66.235	25916.2	24.93	149.40	72.1	911.1	452.7
38.00		0.3750	55.554	65.675	25263.9	24.71	148.14	72.3	895.7	448.9
40.00		0.3750	55.083	65.114	24622.7	24.49	146.89	72.6	880.4	445.0
41.00	Bot - Section 2	0.3750	54.848	64.834	24306.2	24.38	146.26	72.7	872.8	221.1
42.00		0.3750	54.612	64.554	23992.5	24.27	145.63	72.9	865.3	443.3
44.00		0.3750	54.142	63.993	23373.0	24.05	144.38	73.1	850.3	880.9
46.00		0.3750	53.671	63.433	22764.4	23.83	143.12	73.4	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	73.5	829.4	432.1
52.00		0.3750	53.008	62.645	21925.9	23.51	141.36	73.7	814.7	428.2
54.00		0.3750	52.537	62.084	21342.8	23.29	140.10	74.0	800.1	424.4
56.00		0.3750	52.067	61.524	20770.0	23.07	138.84	74.3	785.7	420.6
58.00		0.3750	51.596	60.963	20207.6	22.85	137.59	74.5	771.4	416.8
60.00		0.3750	51.125	60.403	19655.5	22.63	136.33	74.8	757.2	413.0
62.00		0.3750	50.654	59.843	19113.5	22.41	135.08	75.0	743.2	409.2
64.00		0.3750	50.183	59.282	18581.5	22.19	133.82	75.3	729.3	405.4
66.00		0.3750	49.712	58.722	18059.6	21.96	132.57	75.6	715.5	401.5
68.00		0.3750	49.242	58.161	17547.4	21.74	131.31	75.8	701.9	397.7
70.00		0.3750	48.771	57.601	17045.1	21.52	130.06	76.1	688.4	393.9
72.00		0.3750	48.300	57.041	16552.4	21.30	128.80	76.3	675.0	390.1
74.00		0.3750	47.829	56.480	16069.4	21.08	127.54	76.6	661.7	386.3
76.00		0.3750	47.358	55.920	15595.8	20.86	126.29	76.9	648.6	382.5
78.00		0.3750	46.887	55.360	15131.6	20.64	125.03	77.1	635.6	378.7
80.00		0.3750	46.417	54.799	14676.7	20.41	123.78	77.4	622.8	374.8
81.00	Top - Section 2	0.3750	46.181	54.519	14452.7	20.30	123.15	77.5	616.4	186.0
81.00	Bot - Section 3	0.3125	46.181	45.494	12093.3	24.36	147.78	72.4	515.8	
82.00		0.3125	45.946	45.261	11908.1	24.51	147.03	72.6	510.5	154.4
84.00		0.3125	45.475	44.794	11543.3	24.25	145.52	72.9	500.0	306.4
85.00	Bot - Section 4	0.3125	45.240	44.560	11363.7	24.12	144.77	73.0	494.7	152.0
86.00		0.3125	45.004	44.327	11186.0	23.98	144.01	73.2	489.6	304.6
88.00		0.3125	44.533	43.860	10836.2	23.72	142.51	73.5	479.3	604.4
90.00		0.3125	44.062	43.393	10493.7	23.45	141.00	73.8	469.1	598.0

Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
91.00	Top - Section 3	0.3125	44.452	43.779	10776.5	23.67	142.25	0.0	0.0	296.6
92.00		0.3125	44.217	43.546	10605.0	23.54	141.49	73.7	472.4	148.6
94.00		0.3125	43.746	43.079	10267.5	23.27	139.99	74.0	462.3	294.8
96.00		0.3125	43.275	42.612	9937.2	23.01	138.48	74.3	452.3	291.6
98.00		0.3125	42.804	42.145	9614.0	22.74	136.97	74.7	442.4	288.4
100.00		0.3125	42.333	41.678	9298.0	22.48	135.47	75.0	432.6	285.2
102.00		0.3125	41.862	41.211	8988.9	22.21	133.96	75.3	422.9	282.1
104.00		0.3125	41.392	40.744	8686.8	21.94	132.45	75.6	413.4	278.9
106.00		0.3125	40.921	40.277	8391.5	21.68	130.95	75.9	403.9	275.7
108.00		0.3125	40.450	39.810	8103.0	21.41	129.44	76.2	394.6	272.5
110.00		0.3125	39.979	39.343	7821.2	21.15	127.93	76.5	385.3	269.3
112.00		0.3125	39.508	38.876	7546.0	20.88	126.43	76.8	376.2	266.2
114.00		0.3125	39.037	38.409	7277.3	20.62	124.92	77.2	367.2	263.0
116.00		0.3125	38.567	37.942	7015.0	20.35	123.41	77.5	358.3	259.8
118.00		0.3125	38.096	37.475	6759.2	20.08	121.91	77.8	349.5	256.6
120.00		0.3125	37.625	37.008	6509.6	19.82	120.40	78.1	340.8	253.4
122.00		0.3125	37.154	36.541	6266.3	19.55	118.89	78.4	332.2	250.3
124.00		0.3125	36.683	36.074	6029.1	19.29	117.39	78.7	323.7	247.1
126.00		0.3125	36.212	35.607	5798.0	19.02	115.88	79.0	315.4	243.9
128.00		0.3125	35.742	35.140	5572.8	18.76	114.37	79.3	307.1	240.7
130.00	Bot - Section 5	0.3125	35.271	34.673	5353.6	18.49	112.87	79.7	299.0	237.6
132.00		0.3125	34.800	34.206	5140.2	18.23	111.36	80.0	290.9	424.9
134.00		0.3125	34.329	33.739	4932.5	17.96	109.85	80.3	283.0	419.2
135.00	Top - Section 4	0.2500	34.594	27.251	4060.9	22.99	138.37	0.0	0.0	207.5
136.00		0.2500	34.358	27.064	3978.0	22.82	137.43	74.6	228.0	92.4
138.00		0.2500	33.887	26.690	3815.5	22.49	135.55	74.9	221.8	182.9
140.00		0.2500	33.417	26.317	3657.5	22.16	133.67	75.3	215.6	180.4
142.00		0.2500	32.946	25.943	3504.0	21.83	131.78	75.7	209.5	177.8
144.00		0.2500	32.475	25.570	3354.8	21.49	129.90	76.1	203.5	175.3
145.00		0.2500	32.240	25.383	3281.8	21.33	128.96	76.3	200.5	86.7
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	76.9	191.7	170.2
150.00		0.2500	31.062	24.449	2932.7	20.50	124.25	77.3	186.0	167.7
152.00		0.2500	30.592	24.075	2800.3	20.17	122.37	77.7	180.3	165.1
154.00		0.2500	30.121	23.702	2671.9	19.83	120.48	78.1	174.7	162.6
155.00		0.2500	29.885	23.515	2609.3	19.67	119.54	78.3	172.0	80.3
156.00		0.2500	29.650	23.328	2547.6	19.50	118.60	78.5	169.2	79.7
158.00		0.2500	29.179	22.954	2427.1	19.17	116.72	78.9	163.8	157.5
160.00		0.2500	28.708	22.581	2310.5	18.84	114.83	79.2	158.5	154.9
162.00		0.2500	28.237	22.207	2197.7	18.51	112.95	79.6	153.3	152.4
164.00		0.2500	27.767	21.834	2088.7	18.17	111.07	80.0	148.2	149.9
165.00		0.2500	27.531	21.647	2035.5	18.01	110.12	80.2	145.6	74.0
166.00		0.2500	27.296	21.460	1983.3	17.84	109.18	80.4	143.1	73.3
168.00		0.2500	26.825	21.087	1881.5	17.51	107.30	80.8	138.1	144.8
170.00		0.2500	26.354	20.713	1783.3	17.18	105.42	81.2	133.3	142.2
172.00		0.2500	25.883	20.339	1688.5	16.85	103.53	81.6	128.5	139.7
174.00		0.2500	25.412	19.966	1597.2	16.51	101.65	82.0	123.8	137.1
175.00		0.2500	25.177	19.779	1552.7	16.35	100.71	82.2	121.5	67.6
176.00		0.2500	24.942	19.592	1509.2	16.18	99.77	82.4	119.2	67.0
178.00		0.2500	24.471	19.219	1424.5	15.85	97.88	82.5	114.7	132.1
180.00	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	82.5	123.4	
182.00		0.2810	24.000	21.154	1503.6	13.65	85.41	82.5	123.4	144.0
184.00		0.2810	24.000	21.154	1503.6	13.65	85.41	82.5	123.4	144.0
186.00		0.2810	24.000	21.154	1503.6	13.65	85.41	82.5	123.4	144.0
188.00		0.2810	24.000	21.154	1503.6	13.65	85.41	82.5	123.4	144.0
190.00		0.2810	24.000	21.154	1503.6	13.65	85.41	82.5	123.4	144.0
192.00		0.2810	24.000	21.154	1503.6	13.65	85.41	82.5	123.4	144.0
194.00		0.2810	24.000	21.154	1503.6	13.65	85.41	82.5	123.4	144.0
195.00		0.2810	24.000	21.154	1503.6	13.65	85.41	82.5	123.4	72.0

Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
										32833.6

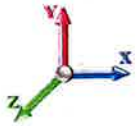
Wind Loading - Shaft

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 7/13/2023
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II Page: 11

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 115 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 32

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	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	0.85	26.398	29.04	564.48	0.730	0.000	2.00	10.876	7.94	230.5	0.0	621.0
4.00		1.00	0.85	26.398	29.04	560.33	0.730	0.000	2.00	10.796	7.88	228.9	0.0	616.4
6.00		1.00	0.85	26.398	29.04	556.18	0.730	0.000	2.00	10.717	7.82	227.2	0.0	611.9
8.00		1.00	0.85	26.398	29.04	552.03	0.730	0.000	2.00	10.637	7.76	225.5	0.0	607.3
10.00		1.00	0.85	26.398	29.04	547.88	0.730	0.000	2.00	10.557	7.71	223.8	0.0	602.7
12.00		1.00	0.85	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	0.85	26.398	29.04	539.58	0.730	0.000	2.00	10.398	7.59	220.4	0.0	593.5
16.00		1.00	0.86	26.724	29.40	538.72	0.730	0.000	2.00	10.318	7.53	221.4	0.0	589.0
18.00		1.00	0.88	27.395	30.13	541.22	0.730	0.000	2.00	10.239	7.47	225.2	0.0	584.4
20.00		1.00	0.90	28.010	30.81	542.98	0.730	0.000	2.00	10.159	7.42	228.5	0.0	579.8
22.00		1.00	0.92	28.577	31.44	544.13	0.730	0.000	2.00	10.079	7.36	231.3	0.0	575.2
24.00		1.00	0.94	29.106	32.02	544.78	0.730	0.000	2.00	9.999	7.30	233.7	0.0	570.7
26.00		1.00	0.95	29.600	32.56	544.99	0.730	0.000	2.00	9.920	7.24	235.8	0.0	566.1
28.00		1.00	0.97	30.066	33.07	544.83	0.730	0.000	2.00	9.840	7.18	237.6	0.0	561.5
30.00		1.00	0.98	30.506	33.56	544.34	0.730	0.000	2.00	9.760	7.13	239.1	0.0	556.9
32.00		1.00	1.00	30.923	34.02	543.56	0.730	0.000	2.00	9.681	7.07	240.4	0.0	552.4
34.00		1.00	1.01	31.320	34.45	542.52	0.730	0.000	2.00	9.601	7.01	241.5	0.0	547.8
36.00		1.00	1.02	31.699	34.87	541.24	0.730	0.000	2.00	9.521	6.95	242.4	0.0	543.2
38.00		1.00	1.03	32.062	35.27	539.76	0.730	0.000	2.00	9.442	6.89	243.1	0.0	538.6
40.00		1.00	1.04	32.410	35.65	538.08	0.730	0.000	2.00	9.362	6.83	243.7	0.0	534.1
41.00	Bot - Section 2	1.00	1.05	32.579	35.84	537.18	0.730	0.000	1.00	4.651	3.40	121.7	0.0	265.3
42.00		1.00	1.05	32.745	36.02	536.23	0.730	0.000	1.00	4.695	3.43	123.4	0.0	532.0
44.00		1.00	1.06	33.067	36.37	534.22	0.730	0.000	2.00	9.330	6.81	247.7	0.0	1057.1
46.00		1.00	1.07	33.378	36.72	532.05	0.730	0.000	2.00	9.250	6.75	247.9	0.0	1047.9
48.00	Top - Section 1	1.00	1.08	33.679	37.05	529.75	0.730	0.000	2.00	9.170	6.69	248.0	0.0	1038.8
50.00		1.00	1.09	33.969	37.37	534.83	0.730	0.000	2.00	9.091	6.64	248.0	0.0	518.5
52.00		1.00	1.10	34.251	37.68	532.31	0.730	0.000	2.00	9.011	6.58	247.8	0.0	513.9
54.00		1.00	1.11	34.524	37.98	529.68	0.730	0.000	2.00	8.931	6.52	247.6	0.0	509.3
56.00		1.00	1.12	34.789	38.27	526.95	0.730	0.000	2.00	8.851	6.46	247.3	0.0	504.7
58.00		1.00	1.13	35.047	38.55	524.12	0.730	0.000	2.00	8.772	6.40	246.9	0.0	500.2
60.00		1.00	1.14	35.298	38.83	521.19	0.730	0.000	2.00	8.692	6.35	246.4	0.0	495.6
62.00		1.00	1.14	35.543	39.10	518.18	0.730	0.000	2.00	8.612	6.29	245.8	0.0	491.0
64.00		1.00	1.15	35.781	39.36	515.08	0.730	0.000	2.00	8.533	6.23	245.2	0.0	486.4
66.00		1.00	1.16	36.014	39.62	511.90	0.730	0.000	2.00	8.453	6.17	244.5	0.0	481.8
68.00		1.00	1.17	36.241	39.87	508.65	0.730	0.000	2.00	8.373	6.11	243.7	0.0	477.3
70.00		1.00	1.17	36.463	40.11	505.32	0.730	0.000	2.00	8.294	6.05	242.8	0.0	472.7
72.00		1.00	1.18	36.680	40.35	501.93	0.730	0.000	2.00	8.214	6.00	241.9	0.0	468.1
74.00		1.00	1.19	36.892	40.58	498.48	0.730	0.000	2.00	8.134	5.94	241.0	0.0	463.5
76.00		1.00	1.19	37.100	40.81	494.96	0.730	0.000	2.00	8.055	5.88	240.0	0.0	459.0
78.00		1.00	1.20	37.303	41.03	491.38	0.730	0.000	2.00	7.975	5.82	238.9	0.0	454.4
80.00		1.00	1.21	37.502	41.25	487.74	0.730	0.000	2.00	7.895	5.76	237.8	0.0	449.8
81.00	Top - Section 2	1.00	1.21	37.601	41.36	485.90	0.730	0.000	1.00	3.918	2.86	118.3	0.0	223.2
82.00		1.00	1.21	37.698	41.47	484.05	0.730	0.000	1.00	3.898	2.85	118.0	0.0	185.3
84.00		1.00	1.22	37.890	41.68	480.31	0.730	0.000	2.00	7.736	5.65	235.4	0.0	367.7
85.00	Bot - Section 4	1.00	1.22	37.984	41.78	478.42	0.730	0.000	1.00	3.838	2.80	117.1	0.0	182.4
86.00		1.00	1.23	38.078	41.89	476.51	0.730	0.000	1.00	3.871	2.83	118.4	0.0	365.5

Wind Loading - Shaft

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: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II
7/13/2023
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Tower Engineering Solutions

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	0.730	0.000	2.00	7.603	5.55	234.7	0.0	717.6
91.00 Top - Section 3	1.00	1.24	38.533	42.39	466.82	0.730	0.000	1.00	3.771	2.75	116.7	0.0	356.0
92.00	1.00	1.24	38.622	42.48	471.51	0.730	0.000	1.00	3.752	2.74	116.3	0.0	178.3
94.00	1.00	1.25	38.798	42.68	467.55	0.730	0.000	2.00	7.443	5.43	231.9	0.0	353.7
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	349.9
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	346.1
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	342.3
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	338.5
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	334.6
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	330.8
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	327.0
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	323.2
112.00	1.00	1.30	40.255	44.28	430.12	0.730	0.000	2.00	6.726	4.91	217.4	0.0	319.4
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	315.6
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	311.8
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	308.0
120.00	1.00	1.32	40.844	44.93	412.60	0.730	0.000	2.00	6.407	4.68	210.1	0.0	304.1
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	300.3
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	296.5
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	292.7
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	288.9
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	285.1
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	509.9
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	503.0
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	248.9
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	110.9
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	219.5
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	216.4
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	213.4
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	210.3
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	104.0
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	103.3
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	204.2
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	201.2
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	198.1
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	195.1
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	96.4
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	95.6
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	189.0
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	185.9
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	182.9
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	179.8
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	88.8
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	88.0
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	173.7
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	170.7
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	167.6
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	164.6
175.00 Appurtenance(s)	1.00	1.42	44.221	48.64	287.28	0.730	0.000	1.00	2.140	1.56	76.0	0.0	81.1
176.00	1.00	1.43	44.274	48.70	284.76	0.730	0.000	1.00	2.120	1.55	75.4	0.0	80.4
178.00	1.00	1.43	44.379	48.82	279.72	0.730	0.000	2.00	4.181	3.05	149.0	0.0	158.5
180.00 Top - Section 5	1.00	1.43	44.484	48.93	274.66	0.730	0.000	2.00	4.102	2.99	146.5	0.0	155.4
182.00	1.00	1.44	44.587	49.05	274.98	0.730	0.000	2.00	4.062	2.97	145.4	0.0	172.8
184.00	1.00	1.44	44.690	49.16	275.30	0.730	0.000	2.00	4.062	2.97	145.8	0.0	172.8
186.00	1.00	1.44	44.792	49.27	275.61	0.730	0.000	2.00	4.062	2.97	146.1	0.0	172.8
188.00	1.00	1.45	44.893	49.38	275.92	0.730	0.000	2.00	4.062	2.97	146.4	0.0	172.8

Wind Loading - Shaft

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 13

190.00	1.00	1.45	44.993	49.49	276.23	0.730	0.000	2.00	4.062	2.97	146.7	0.0	172.8
192.00	1.00	1.45	45.092	49.60	276.53	0.730	0.000	2.00	4.062	2.97	147.1	0.0	172.8
194.00	1.00	1.46	45.191	49.71	276.84	0.730	0.000	2.00	4.062	2.97	147.4	0.0	172.8
195.00	1.00	1.46	45.240	49.76	276.99	0.730	0.000	1.00	2.031	1.48	73.8	0.0	86.4
							Totals:	**195.00**			**20,536.9**		**39,400.3**

Discrete Appurtenance Forces

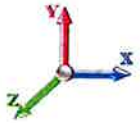
Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
Site Name:	Morris	**Exposure:**	C		
Height:	195.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

TES Tower Engineering Solutions

Load Case: 1.2D + 1.0W 115 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 32

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	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	175.00	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	Commscope	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	175.00	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	165.00	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	165.00	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	42.504	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	42.504	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	42.504	46.755	0.55	0.75	20.80	232.20	0.000	0.000	972.31	0.00	0.00
							Totals:		**13,969.93**			**14,985.51**		

Total Applied Force Summary

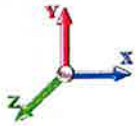
Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
Site Name:	Morris	**Exposure:**	C		
Height:	195.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 115 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 32

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		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
64.00		245.17	604.21	0.00	0.00
66.00		244.46	599.63	0.00	0.00
68.00		243.68	595.06	0.00	0.00
70.00		242.84	590.48	0.00	0.00
72.00		241.93	585.91	0.00	0.00
74.00		240.97	581.33	0.00	0.00
76.00		239.96	576.75	0.00	0.00
78.00		238.89	572.18	0.00	0.00
80.00		237.76	567.60	0.00	0.00
81.00		116.29	282.08	0.00	0.00
82.00		117.99	244.18	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	7/13/2023
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	Page: 16

Tower Engineering Solutions

88.00		236.04	843.04	0.00	0.00
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	0.00
110.00		219.17	440.99	0.00	0.00
112.00		217.42	437.18	0.00	0.00
114.00		215.65	433.36	0.00	0.00
116.00		213.84	429.55	0.00	0.00
118.00		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		87.31	133.23	0.00	0.00
158.00		173.01	264.17	0.00	0.00
160.00		170.69	261.12	0.00	0.00
162.00		168.35	258.07	0.00	0.00
164.00		165.99	255.02	0.00	0.00
165.00	(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

Total Applied Force Summary

Structure:	CT01501-S-SBA		**Code:**	TIA-222-H	7/13/2023
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	Page: 17

TES Tower Engineering Solutions

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)

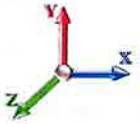
Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
Site Name:	Morris	**Exposure:**	C		
Height:	195.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 18	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 115 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 32

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	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
32.00	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
38.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	32.062	0.00	4.78
40.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	32.410	0.00	4.78
41.00	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
44.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	33.067	0.00	4.78
46.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	33.378	0.00	4.78
48.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	33.679	0.00	4.78
50.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	33.969	0.00	4.78
52.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	34.251	0.00	4.78
54.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	34.524	0.00	4.78
56.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	34.789	0.00	4.78
58.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	35.047	0.00	4.78
60.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	35.298	0.00	4.78
62.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	35.543	0.00	4.78
64.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	35.781	0.00	4.78
66.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	36.014	0.00	4.78
68.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	36.241	0.00	4.78
70.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	36.463	0.00	4.78
72.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	36.680	0.00	4.78
74.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	36.892	0.00	4.78
76.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	37.100	0.00	4.78
78.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	37.303	0.00	4.78
80.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	37.502	0.00	4.78
81.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.037	0.000	37.601	0.00	2.39
82.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.037	0.000	37.698	0.00	2.39
84.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	37.890	0.00	4.78
85.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.038	0.000	37.984	0.00	2.39
86.00	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

Linear Appurtenance Segment Forces (Factored)

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: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

7/13/2023

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 115 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00

Iterations 32

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
90.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	38.444	0.00	4.78
91.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.039	0.000	38.533	0.00	2.39
92.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.039	0.000	38.622	0.00	2.39
94.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	38.798	0.00	4.78
96.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	38.970	0.00	4.78
98.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	39.139	0.00	4.78
100.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	39.306	0.00	4.78
102.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	39.470	0.00	4.78
104.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	39.632	0.00	4.78
106.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.042	0.000	39.791	0.00	4.78
108.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.042	0.000	39.948	0.00	4.78
110.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	40.103	0.00	4.78
112.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	40.255	0.00	4.78
114.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	40.406	0.00	4.78
116.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	40.554	0.00	4.78
118.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.045	0.000	40.700	0.00	4.78
120.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	40.844	0.00	4.78
122.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	40.987	0.00	4.78
124.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	41.127	0.00	4.78
126.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	41.266	0.00	4.78
128.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.048	0.000	41.403	0.00	4.78
130.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	41.538	0.00	4.78
132.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	41.672	0.00	4.78
134.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.050	0.000	41.804	0.00	4.78
135.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.050	0.000	41.870	0.00	2.39
136.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.050	0.000	41.935	0.00	2.39
138.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.051	0.000	42.064	0.00	4.78
140.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.051	0.000	42.191	0.00	4.78
142.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.052	0.000	42.318	0.00	4.78
144.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.053	0.000	42.442	0.00	4.78
145.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.053	0.000	42.504	0.00	2.39
										Totals:	**0.0**	**346.4**

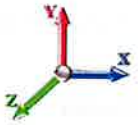
Calculated Forces

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 7/13/2023
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II Page: 20

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 115 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 32

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-63.12	-35.56	0.00	-4503.7	0.00	4503.71	4628.91	1339.45	7126.38	6119.66	0.00	0.000	0.000	0.750
2.00	-62.34	-35.40	0.00	-4432.5	0.00	4432.59	4612.68	1329.62	7022.11	6053.16	0.01	-0.064	0.000	0.747
4.00	-61.57	-35.24	0.00	-4361.8	0.00	4361.80	4596.18	1319.78	6918.62	5986.64	0.06	-0.129	0.000	0.743
6.00	-60.80	-35.08	0.00	-4291.3	0.00	4291.32	4579.43	1309.95	6815.89	5920.10	0.12	-0.194	0.000	0.739
8.00	-60.03	-34.92	0.00	-4221.1	0.00	4221.17	4562.40	1300.11	6713.93	5853.55	0.22	-0.259	0.000	0.735
10.00	-59.27	-34.76	0.00	-4151.3	0.00	4151.34	4545.12	1290.28	6612.74	5787.00	0.34	-0.325	0.000	0.731
12.00	-58.52	-34.60	0.00	-4081.8	0.00	4081.82	4527.57	1280.44	6512.31	5720.46	0.49	-0.391	0.000	0.727
14.00	-57.77	-34.44	0.00	-4012.6	0.00	4012.63	4509.77	1270.61	6412.66	5653.92	0.67	-0.457	0.000	0.723
16.00	-57.02	-34.28	0.00	-3943.7	0.00	3943.75	4491.69	1260.77	6313.77	5587.41	0.88	-0.524	0.000	0.719
18.00	-56.28	-34.11	0.00	-3875.1	0.00	3875.19	4473.36	1250.94	6215.65	5520.93	1.11	-0.591	0.000	0.715
20.00	-55.55	-33.94	0.00	-3806.9	0.00	3806.96	4454.76	1241.10	6118.30	5454.49	1.37	-0.659	0.000	0.711
22.00	-54.82	-33.77	0.00	-3739.0	0.00	3739.08	4435.90	1231.27	6021.72	5388.08	1.67	-0.727	0.000	0.707
24.00	-54.09	-33.59	0.00	-3671.5	0.00	3671.54	4416.78	1221.43	5925.90	5321.73	1.99	-0.795	0.000	0.703
26.00	-53.37	-33.41	0.00	-3604.3	0.00	3604.36	4397.40	1211.60	5830.86	5255.44	2.33	-0.864	0.000	0.699
28.00	-52.66	-33.23	0.00	-3537.5	0.00	3537.54	4377.75	1201.76	5736.58	5189.22	2.71	-0.934	0.000	0.695
30.00	-51.95	-33.04	0.00	-3471.0	0.00	3471.09	4357.84	1191.93	5643.07	5123.07	3.12	-1.003	0.000	0.690
32.00	-51.24	-32.85	0.00	-3405.0	0.00	3405.01	4337.67	1182.09	5550.33	5057.01	3.55	-1.073	0.000	0.686
34.00	-50.54	-32.66	0.00	-3339.3	0.00	3339.32	4317.23	1172.26	5458.36	4991.03	4.02	-1.144	0.000	0.682
36.00	-49.84	-32.46	0.00	-3274.0	0.00	3274.00	4296.53	1162.42	5367.16	4925.16	4.51	-1.214	0.000	0.677
38.00	-49.15	-32.27	0.00	-3209.0	0.00	3209.08	4275.57	1152.59	5276.73	4859.38	5.04	-1.286	0.000	0.673
40.00	-48.48	-32.05	0.00	-3144.5	0.00	3144.55	4254.35	1142.76	5187.06	4793.73	5.59	-1.357	0.000	0.668
41.00	-48.13	-31.95	0.00	-3112.4	0.00	3112.49	4243.64	1137.84	5142.51	4760.94	5.88	-1.393	0.000	0.666
42.00	-47.52	-31.86	0.00	-3080.5	0.00	3080.54	4232.86	1132.92	5098.16	4728.19	6.18	-1.429	0.000	0.664
44.00	-46.31	-31.64	0.00	-3016.8	0.00	3016.82	4211.11	1123.09	5010.03	4662.78	6.79	-1.502	0.000	0.659
46.00	-45.11	-31.42	0.00	-2953.5	0.00	2953.53	4189.10	1113.25	4922.67	4597.51	7.44	-1.574	0.000	0.654
48.00	-43.92	-31.20	0.00	-2890.6	0.00	2890.69	4202.19	1119.08	4974.38	4636.19	8.11	-1.647	0.000	0.635
50.00	-43.25	-30.98	0.00	-2828.3	0.00	2828.30	4180.07	1109.25	4887.33	4570.98	8.82	-1.721	0.000	0.630
52.00	-42.59	-30.77	0.00	-2766.3	0.00	2766.33	4157.69	1099.41	4801.05	4505.91	9.55	-1.792	0.000	0.625
54.00	-41.93	-30.55	0.00	-2704.8	0.00	2704.80	4135.04	1089.58	4715.54	4441.00	10.32	-1.863	0.000	0.620
56.00	-41.28	-30.34	0.00	-2643.6	0.00	2643.69	4112.14	1079.74	4630.79	4376.25	11.12	-1.934	0.000	0.615
58.00	-40.64	-30.12	0.00	-2583.0	0.00	2583.01	4088.97	1069.91	4546.82	4311.67	11.94	-2.005	0.000	0.610
60.00	-39.99	-29.90	0.00	-2522.7	0.00	2522.77	4065.54	1060.07	4463.61	4247.27	12.80	-2.077	0.000	0.605
62.00	-39.36	-29.69	0.00	-2462.9	0.00	2462.96	4041.84	1050.24	4381.17	4183.06	13.68	-2.150	0.000	0.599
64.00	-38.73	-29.47	0.00	-2403.6	0.00	2403.60	4017.89	1040.40	4299.50	4119.03	14.60	-2.222	0.000	0.594
66.00	-38.10	-29.25	0.00	-2344.6	0.00	2344.66	3993.67	1030.57	4218.60	4055.21	15.55	-2.295	0.000	0.589
68.00	-37.48	-29.03	0.00	-2286.1	0.00	2286.17	3969.18	1020.73	4138.47	3991.60	16.52	-2.368	0.000	0.583
70.00	-36.86	-28.81	0.00	-2228.1	0.00	2228.12	3944.44	1010.90	4059.10	3928.21	17.53	-2.441	0.000	0.577
72.00	-36.25	-28.59	0.00	-2170.5	0.00	2170.51	3919.43	1001.06	3980.51	3865.04	18.57	-2.514	0.000	0.572
74.00	-35.64	-28.37	0.00	-2113.3	0.00	2113.34	3894.16	991.23	3902.68	3802.10	19.64	-2.588	0.000	0.566
76.00	-35.04	-28.14	0.00	-2056.6	0.00	2056.61	3868.63	981.39	3825.62	3739.40	20.74	-2.662	0.000	0.560
78.00	-34.45	-27.92	0.00	-2000.3	0.00	2000.32	3842.83	971.56	3749.33	3676.95	21.87	-2.736	0.000	0.554
80.00	-33.86	-27.69	0.00	-1944.4	0.00	1944.47	3816.78	961.72	3673.81	3614.75	23.03	-2.810	0.000	0.548
81.00	-33.57	-27.58	0.00	-1916.7	0.00	1916.78	3803.65	956.81	3636.33	3583.75	23.62	-2.847	0.000	0.545
81.00	-33.57	-27.58	0.00	-1916.7	0.00	1916.78	2964.89	798.43	3038.55	2801.11	23.62	-2.847	0.000	0.697
82.00	-33.30	-27.49	0.00	-1889.2	0.00	1889.20	2956.04	794.33	3007.44	2778.31	24.22	-2.885	0.000	0.692
84.00	-32.80	-27.27	0.00	-1834.2	0.00	1834.23	2938.13	786.13	2945.70	2732.80	25.45	-2.974	0.000	0.684
85.00	-32.54	-27.16	0.00	-1806.9	0.00	1806.96	2929.08	782.04	2915.07	2710.08	26.08	-3.019	0.000	0.679
86.00	-32.09	-27.06	0.00	-1779.8	0.00	1779.80	2919.97	777.94	2884.60	2687.40	26.72	-3.063	0.000	0.674

Calculated 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: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

7/13/2023

TES Tower Engineering Solutions

88.00	-31.22	-26.83	0.00	-1725.6	0.00	1725.68	2901.54	769.74	2824.14	2642.11	28.02	-3.153	0.000	0.665
90.00	-30.37	-26.58	0.00	-1672.0	0.00	1672.03	2882.85	761.55	2764.32	2596.94	29.36	-3.242	0.000	0.656
91.00	-29.94	-26.46	0.00	-1645.4	0.00	1645.45	2898.33	768.33	2813.78	2634.30	30.04	-3.287	0.000	0.636
92.00	-29.68	-26.37	0.00	-1618.9	0.00	1618.99	2889.00	764.23	2783.84	2611.72	30.74	-3.332	0.000	0.631
94.00	-29.18	-26.15	0.00	-1566.2	0.00	1566.25	2870.13	756.03	2724.45	2566.64	32.15	-3.417	0.000	0.622
96.00	-28.69	-25.94	0.00	-1513.9	0.00	1513.94	2851.00	747.84	2665.70	2521.69	33.60	-3.503	0.000	0.612
98.00	-28.20	-25.72	0.00	-1462.0	0.00	1462.07	2831.61	739.64	2607.60	2476.90	35.08	-3.588	0.000	0.601
100.00	-27.72	-25.51	0.00	-1410.6	0.00	1410.63	2811.95	731.45	2550.13	2432.25	36.60	-3.673	0.000	0.591
102.00	-27.24	-25.29	0.00	-1359.6	0.00	1359.61	2792.03	723.25	2493.30	2387.76	38.16	-3.758	0.000	0.580
104.00	-26.77	-25.08	0.00	-1309.0	0.00	1309.03	2771.85	715.06	2437.12	2343.44	39.75	-3.842	0.000	0.569
106.00	-26.30	-24.86	0.00	-1258.8	0.00	1258.88	2751.41	706.86	2381.57	2299.29	41.38	-3.926	0.000	0.558
108.00	-25.84	-24.65	0.00	-1209.1	0.00	1209.15	2730.70	698.66	2326.66	2255.33	43.04	-4.010	0.000	0.547
110.00	-25.38	-24.44	0.00	-1159.8	0.00	1159.85	2709.73	690.47	2272.40	2211.55	44.74	-4.093	0.000	0.535
112.00	-24.92	-24.23	0.00	-1110.9	0.00	1110.97	2688.50	682.27	2218.77	2167.98	46.47	-4.176	0.000	0.523
114.00	-24.47	-24.01	0.00	-1062.5	0.00	1062.52	2667.01	674.08	2165.79	2124.61	48.23	-4.258	0.000	0.511
116.00	-24.03	-23.80	0.00	-1014.5	0.00	1014.50	2645.25	665.88	2113.44	2081.45	50.03	-4.339	0.000	0.498
118.00	-23.59	-23.59	0.00	-966.90	0.00	966.90	2623.23	657.69	2061.74	2038.51	51.87	-4.419	0.000	0.485
120.00	-23.15	-23.38	0.00	-919.71	0.00	919.71	2600.95	649.49	2010.67	1995.80	53.73	-4.498	0.000	0.471
122.00	-22.72	-23.17	0.00	-872.96	0.00	872.96	2578.41	641.29	1960.25	1953.33	55.63	-4.577	0.000	0.457
124.00	-22.29	-22.96	0.00	-826.62	0.00	826.62	2555.60	633.10	1910.47	1911.10	57.57	-4.654	0.000	0.443
126.00	-21.87	-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
128.00	-21.45	-22.54	0.00	-735.19	0.00	735.19	2509.20	616.71	1812.82	1827.41	61.53	-4.804	0.000	0.412
130.00	-21.04	-22.34	0.00	-690.10	0.00	690.10	2485.60	608.51	1764.96	1785.96	63.55	-4.877	0.000	0.396
132.00	-20.40	-22.11	0.00	-645.43	0.00	645.43	2461.74	600.32	1717.74	1744.78	65.61	-4.948	0.000	0.380
134.00	-19.78	-21.87	0.00	-601.21	0.00	601.21	2437.62	592.12	1671.15	1703.88	67.70	-5.017	0.000	0.362
135.00	-19.47	-21.76	0.00	-579.34	0.00	579.34	1823.78	478.25	1362.76	1289.51	68.75	-5.051	0.000	0.462
136.00	-19.29	-21.67	0.00	-557.58	0.00	557.58	1816.04	474.97	1344.14	1275.17	69.81	-5.084	0.000	0.450
138.00	-18.94	-21.47	0.00	-514.25	0.00	514.25	1800.35	468.42	1307.29	1246.57	71.95	-5.161	0.000	0.425
140.00	-18.60	-21.27	0.00	-471.32	0.00	471.32	1784.40	461.86	1270.94	1218.11	74.13	-5.235	0.000	0.399
142.00	-18.26	-21.07	0.00	-428.79	0.00	428.79	1768.19	455.30	1235.12	1189.78	76.34	-5.305	0.000	0.373
144.00	-17.94	-20.87	0.00	-386.65	0.00	386.65	1751.71	448.75	1199.80	1161.59	78.57	-5.371	0.000	0.345
145.00	-15.24	-17.51	0.00	-365.79	0.00	365.79	1743.38	445.47	1182.33	1147.55	79.70	-5.403	0.000	0.329
146.00	-15.07	-17.41	0.00	-348.28	0.00	348.28	1734.98	442.19	1165.00	1133.55	80.83	-5.434	0.000	0.317
148.00	-14.76	-17.21	0.00	-313.46	0.00	313.46	1717.98	435.63	1130.70	1105.67	83.12	-5.492	0.000	0.294
150.00	-14.45	-17.01	0.00	-279.04	0.00	279.04	1700.71	429.08	1096.92	1077.96	85.43	-5.547	0.000	0.269
152.00	-14.14	-16.82	0.00	-245.02	0.00	245.02	1683.19	422.52	1063.66	1050.42	87.76	-5.598	0.000	0.243
154.00	-13.84	-16.62	0.00	-211.39	0.00	211.39	1665.40	415.96	1030.90	1023.06	90.11	-5.645	0.000	0.217
155.00	-9.78	-11.48	0.00	-194.77	0.00	194.77	1656.41	412.69	1014.72	1009.45	91.29	-5.666	0.000	0.200
156.00	-9.65	-11.39	0.00	-183.29	0.00	183.29	1647.35	409.41	998.66	995.89	92.48	-5.687	0.000	0.191
158.00	-9.39	-11.19	0.00	-160.52	0.00	160.52	1629.04	402.85	966.93	968.91	94.87	-5.725	0.000	0.172
160.00	-9.14	-11.00	0.00	-138.13	0.00	138.13	1610.46	396.29	935.71	942.14	97.27	-5.760	0.000	0.153
162.00	-8.90	-10.81	0.00	-116.13	0.00	116.13	1591.62	389.74	905.01	915.58	99.69	-5.791	0.000	0.133
164.00	-8.66	-10.63	0.00	-94.50	0.00	94.50	1572.52	383.18	874.81	889.24	102.12	-5.819	0.000	0.113
165.00	-6.00	-6.95	0.00	-83.88	0.00	83.88	1562.88	379.90	859.91	876.15	103.33	-5.831	0.000	0.100
166.00	-5.90	-6.86	0.00	-76.93	0.00	76.93	1553.16	376.62	845.13	863.13	104.55	-5.842	0.000	0.093
168.00	-5.70	-6.68	0.00	-63.20	0.00	63.20	1533.53	370.07	815.96	837.25	107.00	-5.862	0.000	0.080
170.00	-5.51	-6.50	0.00	-49.84	0.00	49.84	1513.65	363.51	787.30	811.61	109.46	-5.879	0.000	0.065
172.00	-5.32	-6.33	0.00	-36.83	0.00	36.83	1493.49	356.96	759.16	786.22	111.92	-5.893	0.000	0.051
174.00	-5.13	-6.15	0.00	-24.18	0.00	24.18	1473.08	350.40	731.53	761.10	114.39	-5.903	0.000	0.036
175.00	-1.62	-1.64	0.00	-18.02	0.00	18.02	1462.77	347.12	717.90	748.63	115.62	-5.907	0.000	0.025
176.00	-1.54	-1.56	0.00	-16.38	0.00	16.38	1452.40	343.84	704.41	736.23	116.86	-5.910	0.000	0.023
178.00	-1.39	-1.40	0.00	-13.26	0.00	13.26	1427.84	337.29	677.80	709.84	119.33	-5.916	0.000	0.020
180.00	-1.24	-1.23	0.00	-10.47	0.00	10.47	1400.09	330.73	651.70	682.38	121.80	-5.921	0.000	0.016
180.00	-1.24	-1.23	0.00	-10.47	0.00	10.47	1571.64	371.25	730.60	763.99	121.80	-5.921	0.000	0.015
182.00	-1.08	-1.07	0.00	-8.00	0.00	8.00	1571.64	371.25	730.60	763.99	124.28	-5.925	0.000	0.011
184.00	-0.91	-0.91	0.00	-5.86	0.00	5.86	1571.64	371.25	730.60	763.99	126.76	-5.927	0.000	0.008
186.00	-0.75	-0.74	0.00	-4.05	0.00	4.05	1571.64	371.25	730.60	763.99	129.24	-5.929	0.000	0.006

Calculated Forces

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

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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	0.08	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

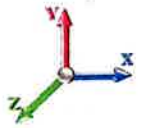
Wind Loading - Shaft

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 7/13/2023
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 115 mph Wind
Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 31

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	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	0.85	26.398	29.04	564.48	0.730	0.000	2.00	10.876	7.94	230.5	0.0	465.8
4.00		1.00	0.85	26.398	29.04	560.33	0.730	0.000	2.00	10.796	7.88	228.9	0.0	462.3
6.00		1.00	0.85	26.398	29.04	556.18	0.730	0.000	2.00	10.717	7.82	227.2	0.0	458.9
8.00		1.00	0.85	26.398	29.04	552.03	0.730	0.000	2.00	10.637	7.76	225.5	0.0	455.5
10.00		1.00	0.85	26.398	29.04	547.88	0.730	0.000	2.00	10.557	7.71	223.8	0.0	452.0
12.00		1.00	0.85	26.398	29.04	543.73	0.730	0.000	2.00	10.478	7.65	222.1	0.0	448.6
14.00		1.00	0.85	26.398	29.04	539.58	0.730	0.000	2.00	10.398	7.59	220.4	0.0	445.2
16.00		1.00	0.86	26.724	29.40	538.72	0.730	0.000	2.00	10.318	7.53	221.4	0.0	441.7
18.00		1.00	0.88	27.395	30.13	541.22	0.730	0.000	2.00	10.239	7.47	225.2	0.0	438.3
20.00		1.00	0.90	28.010	30.81	542.98	0.730	0.000	2.00	10.159	7.42	228.5	0.0	434.9
22.00		1.00	0.92	28.577	31.44	544.13	0.730	0.000	2.00	10.079	7.36	231.3	0.0	431.4
24.00		1.00	0.94	29.106	32.02	544.78	0.730	0.000	2.00	9.999	7.30	233.7	0.0	428.0
26.00		1.00	0.95	29.600	32.56	544.99	0.730	0.000	2.00	9.920	7.24	235.8	0.0	424.6
28.00		1.00	0.97	30.066	33.07	544.83	0.730	0.000	2.00	9.840	7.18	237.6	0.0	421.1
30.00		1.00	0.98	30.506	33.56	544.34	0.730	0.000	2.00	9.760	7.13	239.1	0.0	417.7
32.00		1.00	1.00	30.923	34.02	543.56	0.730	0.000	2.00	9.681	7.07	240.4	0.0	414.3
34.00		1.00	1.01	31.320	34.45	542.52	0.730	0.000	2.00	9.601	7.01	241.5	0.0	410.8
36.00		1.00	1.02	31.699	34.87	541.24	0.730	0.000	2.00	9.521	6.95	242.4	0.0	407.4
38.00		1.00	1.03	32.062	35.27	539.76	0.730	0.000	2.00	9.442	6.89	243.1	0.0	404.0
40.00		1.00	1.04	32.410	35.65	538.08	0.730	0.000	2.00	9.362	6.83	243.7	0.0	400.5
41.00	Bot - Section 2	1.00	1.05	32.579	35.84	537.18	0.730	0.000	1.00	4.651	3.40	121.7	0.0	199.0
42.00		1.00	1.05	32.745	36.02	536.23	0.730	0.000	1.00	4.695	3.43	123.4	0.0	399.0
44.00		1.00	1.06	33.067	36.37	534.22	0.730	0.000	2.00	9.330	6.81	247.7	0.0	792.8
46.00		1.00	1.07	33.378	36.72	532.05	0.730	0.000	2.00	9.250	6.75	247.9	0.0	786.0
48.00	Top - Section 1	1.00	1.08	33.679	37.05	529.75	0.730	0.000	2.00	9.170	6.69	248.0	0.0	779.1
50.00		1.00	1.09	33.969	37.37	534.83	0.730	0.000	2.00	9.091	6.64	248.0	0.0	388.8
52.00		1.00	1.10	34.251	37.68	532.31	0.730	0.000	2.00	9.011	6.58	247.8	0.0	385.4
54.00		1.00	1.11	34.524	37.98	529.68	0.730	0.000	2.00	8.931	6.52	247.6	0.0	382.0
56.00		1.00	1.12	34.789	38.27	526.95	0.730	0.000	2.00	8.851	6.46	247.3	0.0	378.5
58.00		1.00	1.13	35.047	38.55	524.12	0.730	0.000	2.00	8.772	6.40	246.9	0.0	375.1
60.00		1.00	1.14	35.298	38.83	521.19	0.730	0.000	2.00	8.692	6.35	246.4	0.0	371.7
62.00		1.00	1.14	35.543	39.10	518.18	0.730	0.000	2.00	8.612	6.29	245.8	0.0	368.3
64.00		1.00	1.15	35.781	39.36	515.08	0.730	0.000	2.00	8.533	6.23	245.2	0.0	364.8
66.00		1.00	1.16	36.014	39.62	511.90	0.730	0.000	2.00	8.453	6.17	244.5	0.0	361.4
68.00		1.00	1.17	36.241	39.87	508.65	0.730	0.000	2.00	8.373	6.11	243.7	0.0	358.0
70.00		1.00	1.17	36.463	40.11	505.32	0.730	0.000	2.00	8.294	6.05	242.8	0.0	354.5
72.00		1.00	1.18	36.680	40.35	501.93	0.730	0.000	2.00	8.214	6.00	241.9	0.0	351.1
74.00		1.00	1.19	36.892	40.58	498.48	0.730	0.000	2.00	8.134	5.94	241.0	0.0	347.7
76.00		1.00	1.19	37.100	40.81	494.96	0.730	0.000	2.00	8.055	5.88	240.0	0.0	344.2
78.00		1.00	1.20	37.303	41.03	491.38	0.730	0.000	2.00	7.975	5.82	238.9	0.0	340.8
80.00		1.00	1.21	37.502	41.25	487.74	0.730	0.000	2.00	7.895	5.76	237.8	0.0	337.4
81.00	Top - Section 2	1.00	1.21	37.601	41.36	485.90	0.730	0.000	1.00	3.918	2.86	118.3	0.0	167.4
82.00		1.00	1.21	37.698	41.47	484.05	0.730	0.000	1.00	3.898	2.85	118.0	0.0	139.0
84.00		1.00	1.22	37.890	41.68	480.31	0.730	0.000	2.00	7.736	5.65	235.4	0.0	275.8
85.00	Bot - Section 4	1.00	1.22	37.984	41.78	478.42	0.730	0.000	1.00	3.838	2.80	117.1	0.0	136.8
86.00		1.00	1.23	38.078	41.89	476.51	0.730	0.000	1.00	3.871	2.83	118.4	0.0	274.1

Wind Loading - Shaft

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: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

7/13/2023

Tower Engineering Solutions

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	543.9
90.00	1.00	1.24	38.444	42.29	468.78	0.730	0.000	2.00	7.603	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	1.00	3.771	2.75	116.7	0.0	267.0
92.00	1.00	1.24	38.622	42.48	471.51	0.730	0.000	1.00	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	2.00	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	430.12	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	0.730	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	287.28	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	284.76	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	0.730	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	0.730	0.000	2.00	4.102	2.99	146.5	0.0	116.6
182.00	1.00	1.44	44.587	49.05	274.98	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	0.730	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	0.730	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	0.730	0.000	2.00	4.062	2.97	146.4	0.0	129.6

Wind Loading - Shaft

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 25

190.00	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
192.00	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
194.00	1.00	1.46	45.191	49.71	276.84	0.730	0.000	2.00	4.062	2.97	147.4	0.0	129.6
195.00	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
							Totals:	**195.00**			**20,536.9**		**29,550.2**

Discrete Appurtenance Forces

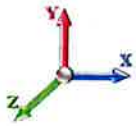
Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
Site Name:	Morris	**Exposure:**	C		
Height:	195.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 26	

Tower Engineering Solutions

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 (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	214.38	0.000	0.000	359.31	0.00	0.00
2	175.00	Low Profile Platform	1	44.221	48.643	1.00	1.00	22.00	1350.00	0.000	0.000	1070.14	0.00	0.00
3	175.00	Commscope	3	44.221	48.643	1.00	1.00	0.00	68.45	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	453.60	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	235.98	0.000	0.000	1520.10	0.00	0.00
6	175.00	BSF0020F3V1-1	2	44.221	48.643	1.00	1.00	1.52	32.40	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	189.81	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	227.88	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	28.80	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	89.10	0.000	0.000	157.66	0.00	0.00
11	165.00	AM-X-CD-16-65-00T-RET	1	43.676	48.044	0.72	0.80	5.77	43.65	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	205.20	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	275.40	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	73.44	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	0.99	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	28.62	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	1350.00	0.000	0.000	1056.97	0.00	0.00
18	165.00	7770.00	6	43.676	48.044	0.58	0.80	19.27	189.00	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	64.29	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	14.31	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	29.70	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	29.70	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	1350.00	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	235.55	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	280.80	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	251.10	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	418.42	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	278.10	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	345.60	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	1554.30	0.000	0.000	1757.51	0.00	0.00
31	145.00	RDIDC-9181-OF-48	1	42.504	46.755	0.75	0.75	1.51	19.71	0.000	0.000	70.48	0.00	0.00
32	145.00	TA08025-B604	3	42.504	46.755	0.38	0.75	2.21	172.53	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	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
							Totals:		**10,477.45**			**14,985.51**		

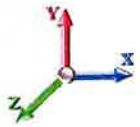
Total Applied Force Summary

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 27

Load Case: 0.9D + 1.0W 115 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 31

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		230.55	554.09	0.00	0.00
4.00		228.86	550.66	0.00	0.00
6.00		227.17	547.23	0.00	0.00
8.00		225.48	543.80	0.00	0.00
10.00		223.79	540.37	0.00	0.00
12.00		222.10	536.93	0.00	0.00
14.00		220.41	533.50	0.00	0.00
16.00		221.43	530.07	0.00	0.00
18.00		225.23	526.64	0.00	0.00
20.00		228.49	523.20	0.00	0.00
22.00		231.29	519.77	0.00	0.00
24.00		233.71	516.34	0.00	0.00
26.00		235.78	512.91	0.00	0.00
28.00		237.57	509.47	0.00	0.00
30.00		239.09	506.04	0.00	0.00
32.00		240.38	502.61	0.00	0.00
34.00		241.47	499.18	0.00	0.00
36.00		242.36	495.74	0.00	0.00
38.00		243.09	492.31	0.00	0.00
40.00		243.65	488.88	0.00	0.00
41.00		121.68	243.15	0.00	0.00
42.00		123.44	443.15	0.00	0.00
44.00		247.73	881.16	0.00	0.00
46.00		247.92	874.29	0.00	0.00
48.00		248.00	867.43	0.00	0.00
50.00		247.97	477.19	0.00	0.00
52.00		247.83	473.75	0.00	0.00
54.00		247.60	470.32	0.00	0.00
56.00		247.27	466.89	0.00	0.00
58.00		246.87	463.46	0.00	0.00
60.00		246.38	460.02	0.00	0.00
62.00		245.81	456.59	0.00	0.00
64.00		245.17	453.16	0.00	0.00
66.00		244.46	449.73	0.00	0.00
68.00		243.68	446.29	0.00	0.00
70.00		242.84	442.86	0.00	0.00
72.00		241.93	439.43	0.00	0.00
74.00		240.97	436.00	0.00	0.00
76.00		239.96	432.56	0.00	0.00
78.00		238.89	429.13	0.00	0.00
80.00		237.76	425.70	0.00	0.00
81.00		118.29	211.56	0.00	0.00
82.00		117.99	183.14	0.00	0.00
84.00		235.37	364.13	0.00	0.00
85.00		117.07	180.99	0.00	0.00
86.00		118.36	318.29	0.00	0.00

Total Applied Force Summary

Structure:	CT01501-S-SBA		**Code:**	TIA-222-H	7/13/2023
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	Page: 28

TES Tower Engineering Solutions

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		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

Total Applied Force Summary

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 29

Tower Engineering Solutions

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

Linear Appurtenance Segment Forces (Factored)

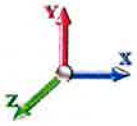
Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
Site Name:	Morris	**Exposure:**	C		
Height:	195.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 30	

TES Tower Engineering Solutions

Load Case: 0.9D + 1.0W 115 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 31

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	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
34.00	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	1.75" 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
44.00	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
54.00	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
58.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	35.047	0.00	3.58
60.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	35.298	0.00	3.58
62.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	35.543	0.00	3.58
64.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	35.781	0.00	3.58
66.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	36.014	0.00	3.58
68.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	36.241	0.00	3.58
70.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	36.463	0.00	3.58
72.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	36.680	0.00	3.58
74.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	36.892	0.00	3.58
76.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	37.100	0.00	3.58
78.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	37.303	0.00	3.58
80.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	37.502	0.00	3.58
81.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.037	0.000	37.601	0.00	1.79
82.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.037	0.000	37.698	0.00	1.79
84.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	37.890	0.00	3.58
85.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.038	0.000	37.984	0.00	1.79
86.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.038	0.000	38.078	0.00	1.79
88.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	38.262	0.00	3.58

Linear Appurtenance Segment Forces (Factored)

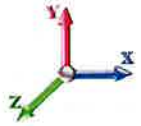
Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
Site Name:	Morris	**Exposure:**	C		
Height:	195.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 31	

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 115 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 31

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
90.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	38.444	0.00	3.58
91.00	1.75" Hybrid	Yes	1.00	0.000	1.75	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
96.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	38.970	0.00	3.58
98.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	39.139	0.00	3.58
100.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	39.306	0.00	3.58
102.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	39.470	0.00	3.58
104.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	39.632	0.00	3.58
106.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.042	0.000	39.791	0.00	3.58
108.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.042	0.000	39.948	0.00	3.58
110.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	40.103	0.00	3.58
112.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	40.255	0.00	3.58
114.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	40.406	0.00	3.58
116.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	40.554	0.00	3.58
118.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.045	0.000	40.700	0.00	3.58
120.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	40.844	0.00	3.58
122.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	40.987	0.00	3.58
124.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	41.127	0.00	3.58
126.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	41.266	0.00	3.58
128.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.048	0.000	41.403	0.00	3.58
130.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	41.538	0.00	3.58
132.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	41.672	0.00	3.58
134.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.050	0.000	41.804	0.00	3.58
135.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.050	0.000	41.870	0.00	1.79
136.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.050	0.000	41.935	0.00	1.79
138.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.051	0.000	42.064	0.00	3.58
140.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.051	0.000	42.191	0.00	3.58
142.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.052	0.000	42.318	0.00	3.58
144.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.053	0.000	42.442	0.00	3.58
145.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.053	0.000	42.504	0.00	1.79
										Totals:	**0.0**	**259.8**

Calculated Forces

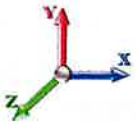
Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
Site Name:	Morris	**Exposure:**	C		
Height:	195.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 32	

TES Tower Engineering Solutions

Load Case: 0.9D + 1.0W 115 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 31

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-47.33	-35.55	0.00	-4439.7	0.00	4439.71	4628.91	1339.45	7126.38	6119.66	0.00	0.000	0.000	0.736
2.00	-46.74	-35.37	0.00	-4368.6	0.00	4368.61	4612.68	1329.62	7022.11	6053.16	0.01	-0.063	0.000	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	-0.127	0.000	0.729
6.00	-45.56	-35.01	0.00	-4227.5	0.00	4227.50	4579.43	1309.95	6815.89	5920.10	0.12	-0.191	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	0.22	-0.255	0.000	0.721
10.00	-44.40	-34.66	0.00	-4087.8	0.00	4087.81	4545.12	1290.28	6612.74	5787.00	0.34	-0.320	0.000	0.717
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	-25.99	-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	-27.47	0.00	-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	-27.23	0.00	-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	-27.12	0.00	-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	-27.12	0.00	-1875.5	0.00	1875.54	2964.89	798.43	3038.55	2801.11	23.22	-2.795	0.000	0.679
82.00	-24.67	-27.02	0.00	-1848.4	0.00	1848.42	2956.04	794.33	3007.44	2778.31	23.81	-2.832	0.000	0.675
84.00	-24.29	-26.80	0.00	-1794.3	0.00	1794.38	2938.13	786.13	2945.70	2732.80	25.02	-2.919	0.000	0.666
85.00	-24.09	-26.69	0.00	-1767.5	0.00	1767.58	2929.08	782.04	2915.07	2710.08	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

Calculated 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: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

7/13/2023

TES Tower Engineering Solutions

88.00	-23.09	-26.35	0.00	-1687.7	0.00	1687.74	2901.54	769.74	2824.14	2642.11	27.54	-3.094	0.000	0.648
90.00	-22.45	-26.10	0.00	-1635.0	0.00	1635.05	2882.85	761.55	2764.32	2596.94	28.85	-3.181	0.000	0.639
91.00	-22.13	-25.99	0.00	-1608.9	0.00	1608.95	2898.33	768.33	2813.78	2634.30	29.52	-3.225	0.000	0.620
92.00	-21.93	-25.88	0.00	-1582.9	0.00	1582.96	2889.00	764.23	2783.84	2611.72	30.20	-3.269	0.000	0.615
94.00	-21.55	-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
96.00	-21.18	-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
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	-25.01	0.00	-1378.5	0.00	1378.54	2811.95	731.45	2550.13	2432.25	35.96	-3.603	0.000	0.575
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	0.565
104.00	-19.72	-24.57	0.00	-1278.9	0.00	1278.95	2771.85	715.06	2437.12	2343.44	39.05	-3.768	0.000	0.554
106.00	-19.36	-24.35	0.00	-1229.8	0.00	1229.81	2751.41	706.86	2381.57	2299.29	40.64	-3.850	0.000	0.543
108.00	-19.01	-24.14	0.00	-1181.1	0.00	1181.11	2730.70	698.66	2326.66	2255.33	42.27	-3.932	0.000	0.532
110.00	-18.66	-23.92	0.00	-1132.8	0.00	1132.84	2709.73	690.47	2272.40	2211.55	43.94	-4.013	0.000	0.520
112.00	-18.32	-23.71	0.00	-1084.9	0.00	1084.99	2688.50	682.27	2218.77	2167.98	45.63	-4.094	0.000	0.508
114.00	-17.97	-23.49	0.00	-1037.5	0.00	1037.58	2667.01	674.08	2165.79	2124.61	47.37	-4.174	0.000	0.496
116.00	-17.64	-23.28	0.00	-990.59	0.00	990.59	2645.25	665.88	2113.44	2081.45	49.13	-4.253	0.000	0.484
118.00	-17.30	-23.07	0.00	-944.03	0.00	944.03	2623.23	657.69	2061.74	2038.51	50.93	-4.332	0.000	0.471
120.00	-16.97	-22.86	0.00	-897.89	0.00	897.89	2600.95	649.49	2010.67	1995.80	52.76	-4.409	0.000	0.458
122.00	-16.65	-22.65	0.00	-852.17	0.00	852.17	2578.41	641.29	1960.25	1953.33	54.62	-4.486	0.000	0.444
124.00	-16.32	-22.44	0.00	-806.87	0.00	806.87	2555.60	633.10	1910.47	1911.10	56.51	-4.561	0.000	0.430
126.00	-16.00	-22.23	0.00	-761.99	0.00	761.99	2532.53	624.90	1861.32	1869.12	58.44	-4.635	0.000	0.415
128.00	-15.69	-22.03	0.00	-717.53	0.00	717.53	2509.20	616.71	1812.82	1827.41	60.39	-4.708	0.000	0.400
130.00	-15.38	-21.82	0.00	-673.48	0.00	673.48	2485.60	608.51	1764.96	1785.96	62.38	-4.779	0.000	0.385
132.00	-14.90	-21.60	0.00	-629.84	0.00	629.84	2461.74	600.32	1717.74	1744.78	64.39	-4.848	0.000	0.368
134.00	-14.43	-21.37	0.00	-586.65	0.00	586.65	2437.62	592.12	1671.15	1703.88	66.44	-4.915	0.000	0.352
135.00	-14.20	-21.26	0.00	-565.28	0.00	565.28	1823.78	478.25	1362.76	1289.51	67.47	-4.948	0.000	0.448
136.00	-14.06	-21.17	0.00	-544.01	0.00	544.01	1816.04	474.97	1344.14	1275.17	68.51	-4.981	0.000	0.436
138.00	-13.80	-20.97	0.00	-501.68	0.00	501.68	1800.35	468.42	1307.29	1246.57	70.61	-5.056	0.000	0.412
140.00	-13.54	-20.77	0.00	-459.75	0.00	459.75	1784.40	461.86	1270.94	1218.11	72.74	-5.127	0.000	0.387
142.00	-13.29	-20.57	0.00	-418.21	0.00	418.21	1768.19	455.30	1235.12	1189.78	74.90	-5.196	0.000	0.361
144.00	-13.04	-20.37	0.00	-377.06	0.00	377.06	1751.71	448.75	1199.80	1161.59	77.09	-5.260	0.000	0.334
145.00	-11.08	-17.09	0.00	-356.69	0.00	356.69	1743.38	445.47	1182.33	1147.55	78.19	-5.291	0.000	0.319
146.00	-10.96	-16.99	0.00	-339.61	0.00	339.61	1734.98	442.19	1165.00	1133.55	79.31	-5.322	0.000	0.307
148.00	-10.72	-16.80	0.00	-305.62	0.00	305.62	1717.98	435.63	1130.70	1105.67	81.54	-5.379	0.000	0.284
150.00	-10.49	-16.60	0.00	-272.03	0.00	272.03	1700.71	429.08	1096.92	1077.96	83.81	-5.432	0.000	0.260
152.00	-10.26	-16.41	0.00	-238.83	0.00	238.83	1683.19	422.52	1063.66	1050.42	86.09	-5.482	0.000	0.235
154.00	-10.04	-16.22	0.00	-206.01	0.00	206.01	1665.40	415.96	1030.90	1023.06	88.39	-5.527	0.000	0.209
155.00	-7.10	-11.20	0.00	-189.80	0.00	189.80	1656.41	412.69	1014.72	1009.45	89.55	-5.548	0.000	0.193
156.00	-7.00	-11.10	0.00	-178.60	0.00	178.60	1647.35	409.41	998.66	995.89	90.72	-5.568	0.000	0.184
158.00	-6.81	-10.92	0.00	-156.40	0.00	156.40	1629.04	402.85	966.93	968.91	93.05	-5.606	0.000	0.166
160.00	-6.63	-10.73	0.00	-134.57	0.00	134.57	1610.46	396.29	935.71	942.14	95.41	-5.640	0.000	0.148
162.00	-6.45	-10.55	0.00	-113.10	0.00	113.10	1591.62	389.74	905.01	915.58	97.77	-5.670	0.000	0.128
164.00	-6.27	-10.37	0.00	-92.01	0.00	92.01	1572.52	383.18	874.81	889.24	100.15	-5.697	0.000	0.108
165.00	-4.36	-6.77	0.00	-81.64	0.00	81.64	1562.88	379.90	859.91	876.15	101.34	-5.709	0.000	0.096
166.00	-4.28	-6.68	0.00	-74.87	0.00	74.87	1553.16	376.62	845.13	863.13	102.54	-5.720	0.000	0.090
168.00	-4.14	-6.51	0.00	-61.50	0.00	61.50	1533.53	370.07	815.96	837.25	104.93	-5.739	0.000	0.076
170.00	-3.99	-6.34	0.00	-48.48	0.00	48.48	1513.65	363.51	787.30	811.61	107.34	-5.756	0.000	0.063
172.00	-3.85	-6.17	0.00	-35.81	0.00	35.81	1493.49	356.96	759.16	786.22	109.75	-5.769	0.000	0.048
174.00	-3.72	-6.00	0.00	-23.48	0.00	23.48	1473.08	350.40	731.53	761.10	112.16	-5.779	0.000	0.034
175.00	-1.18	-1.60	0.00	-17.48	0.00	17.48	1462.77	347.12	717.90	748.63	113.37	-5.783	0.000	0.024
176.00	-1.13	-1.51	0.00	-15.89	0.00	15.89	1452.40	343.84	704.41	736.23	114.58	-5.786	0.000	0.022
178.00	-1.02	-1.35	0.00	-12.86	0.00	12.86	1427.84	337.29	677.80	709.84	117.00	-5.791	0.000	0.019
180.00	-0.91	-1.20	0.00	-10.15	0.00	10.15	1400.09	330.73	651.70	682.38	119.43	-5.796	0.000	0.016
180.00	-0.91	-1.20	0.00	-10.15	0.00	10.15	1571.64	371.25	730.60	763.99	119.43	-5.796	0.000	0.014
182.00	-0.79	-1.04	0.00	-7.76	0.00	7.76	1571.64	371.25	730.60	763.99	121.85	-5.800	0.000	0.011
184.00	-0.66	-0.88	0.00	-5.68	0.00	5.68	1571.64	371.25	730.60	763.99	124.28	-5.802	0.000	0.008
186.00	-0.54	-0.72	0.00	-3.92	0.00	3.92	1571.64	371.25	730.60	763.99	126.70	-5.804	0.000	0.005

Calculated Forces

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

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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	0.08	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

Wind Loading - Shaft

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: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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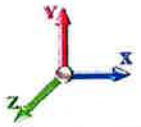
Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 31

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	4.990	5.49	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	4.990	5.49	0.00	1.200	0.756	2.00	11.128	13.35	73.3	122.7	743.7
4.00		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
6.00		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
8.00		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
10.00		1.00	0.85	4.990	5.49	0.00	1.200	0.887	2.00	10.853	13.02	71.5	140.2	742.9
12.00		1.00	0.85	4.990	5.49	0.00	1.200	0.904	2.00	10.779	12.93	71.0	141.7	739.9
14.00		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
16.00		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
18.00		1.00	0.88	5.179	5.70	0.00	1.200	0.941	2.00	10.552	12.66	72.1	144.4	728.8
20.00		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
22.00		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
24.00		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
26.00		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
28.00		1.00	0.97	5.684	6.25	0.00	1.200	0.984	2.00	10.168	12.20	76.3	145.2	706.7
30.00		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
32.00		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
34.00		1.00	1.01	5.921	6.51	0.00	1.200	1.003	2.00	9.935	11.92	77.6	144.5	692.3
36.00		1.00	1.02	5.992	6.59	0.00	1.200	1.009	2.00	9.858	11.83	78.0	144.2	687.4
38.00		1.00	1.03	6.061	6.67	0.00	1.200	1.014	2.00	9.780	11.74	78.2	143.8	682.4
40.00		1.00	1.04	6.127	6.74	0.00	1.200	1.019	2.00	9.702	11.64	78.5	143.3	677.4
41.00	Bot - Section 2	1.00	1.05	6.159	6.77	0.00	1.200	1.022	1.00	4.821	5.79	39.2	71.5	336.9
42.00		1.00	1.05	6.190	6.81	0.00	1.200	1.024	1.00	4.865	5.84	39.8	72.4	604.4
44.00		1.00	1.06	6.251	6.88	0.00	1.200	1.029	2.00	9.673	11.61	79.8	144.2	1201.3
46.00		1.00	1.07	6.310	6.94	0.00	1.200	1.034	2.00	9.594	11.51	79.9	143.7	1191.6
48.00	Top - Section 1	1.00	1.08	6.366	7.00	0.00	1.200	1.038	2.00	9.516	11.42	80.0	143.1	1181.8
50.00		1.00	1.09	6.421	7.06	0.00	1.200	1.042	2.00	9.438	11.33	80.0	142.4	660.9
52.00		1.00	1.10	6.475	7.12	0.00	1.200	1.047	2.00	9.360	11.23	80.0	141.8	655.6
54.00		1.00	1.11	6.526	7.18	0.00	1.200	1.050	2.00	9.281	11.14	80.0	141.1	650.4
56.00		1.00	1.12	6.576	7.23	0.00	1.200	1.054	2.00	9.203	11.04	79.9	140.3	645.1
58.00		1.00	1.13	6.625	7.29	0.00	1.200	1.058	2.00	9.124	10.95	79.8	139.6	639.8
60.00		1.00	1.14	6.673	7.34	0.00	1.200	1.062	2.00	9.046	10.86	79.7	138.8	634.4
62.00		1.00	1.14	6.719	7.39	0.00	1.200	1.065	2.00	8.967	10.76	79.5	138.0	629.0
64.00		1.00	1.15	6.764	7.44	0.00	1.200	1.068	2.00	8.889	10.67	79.4	137.2	623.7
66.00		1.00	1.16	6.808	7.49	0.00	1.200	1.072	2.00	8.810	10.57	79.2	136.4	618.2
68.00		1.00	1.17	6.851	7.54	0.00	1.200	1.075	2.00	8.732	10.48	79.0	135.5	612.8
70.00		1.00	1.17	6.893	7.58	0.00	1.200	1.078	2.00	8.653	10.38	78.7	134.7	607.4
72.00		1.00	1.18	6.934	7.63	0.00	1.200	1.081	2.00	8.574	10.29	78.5	133.8	601.9
74.00		1.00	1.19	6.974	7.67	0.00	1.200	1.084	2.00	8.496	10.19	78.2	132.9	596.4
76.00		1.00	1.19	7.013	7.71	0.00	1.200	1.087	2.00	8.417	10.10	77.9	132.0	590.9
78.00		1.00	1.20	7.052	7.76	0.00	1.200	1.090	2.00	8.338	10.01	77.6	131.0	585.4
80.00		1.00	1.21	7.089	7.80	0.00	1.200	1.093	2.00	8.259	9.91	77.3	130.1	579.9
81.00	Top - Section 2	1.00	1.21	7.108	7.82	0.00	1.200	1.094	1.00	4.100	4.92	38.5	64.8	288.0
82.00		1.00	1.21	7.126	7.84	0.00	1.200	1.095	1.00	4.080	4.90	38.4	64.6	249.8
84.00		1.00	1.22	7.162	7.88	0.00	1.200	1.098	2.00	8.102	9.72	76.6	128.1	495.9
85.00	Bot - Section 4	1.00	1.22	7.180	7.90	0.00	1.200	1.099	1.00	4.021	4.83	38.1	63.8	246.3
86.00		1.00	1.23	7.198	7.92	0.00	1.200	1.101	1.00	4.054	4.87	38.5	64.4	429.9

Wind Loading - Shaft

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: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II
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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	7.971	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	1.00	3.956	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	1.200	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	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
148.00	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
150.00	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
152.00	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
154.00	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)	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
156.00	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
158.00	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
160.00	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
162.00	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
164.00	1.00	1.40	8.246	9.07	0.00	1.200	1.174	2.00	5.130	6.16	55.8	85.1	264.9
165.00 Appurtenance(s)	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
166.00	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
168.00	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
170.00	1.00	1.42	8.308	9.14	0.00	1.200	1.178	2.00	4.893	5.87	53.7	81.3	251.9
172.00	1.00	1.42	8.329	9.16	0.00	1.200	1.180	2.00	4.813	5.78	52.9	80.0	247.6
174.00	1.00	1.42	8.349	9.18	0.00	1.200	1.181	2.00	4.734	5.68	52.2	78.7	243.2
175.00 Appurtenance(s)	1.00	1.42	8.359	9.20	0.00	1.200	1.182	1.00	2.337	2.80	25.8	39.0	120.2
176.00	1.00	1.43	8.369	9.21	0.00	1.200	1.182	1.00	2.318	2.78	25.6	38.7	119.1
178.00	1.00	1.43	8.389	9.23	0.00	1.200	1.184	2.00	4.576	5.49	50.7	76.1	234.5
180.00 Top - Section 5	1.00	1.43	8.409	9.25	0.00	1.200	1.185	2.00	4.497	5.40	49.9	74.7	230.2
182.00	1.00	1.44	8.429	9.27	0.00	1.200	1.186	2.00	4.457	5.35	49.6	74.8	247.6
184.00	1.00	1.44	8.448	9.29	0.00	1.200	1.187	2.00	4.458	5.35	49.7	74.9	247.7
186.00	1.00	1.44	8.467	9.31	0.00	1.200	1.189	2.00	4.458	5.35	49.8	75.0	247.8
188.00	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

Wind Loading - Shaft

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: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

7/13/2023

Tower Engineering Solutions

190.00	1.00	1.45	8.505	9.36	0.00	1.200	1.191	2.00	4.459	5.35	50.1	75.2	247.9
192.00	1.00	1.45	8.524	9.38	0.00	1.200	1.193	2.00	4.459	5.35	50.2	75.3	248.0
194.00	1.00	1.46	8.543	9.40	0.00	1.200	1.194	2.00	4.460	5.35	50.3	75.3	248.1
195.00	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
							Totals:	**195.00**			**6,719.8**		**50,757.8**

Discrete Appurtenance Forces

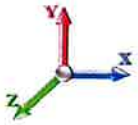
Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
Site Name:	Morris	**Exposure:**	C		
Height:	195.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 38	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 31

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	175.00	MT6407-77A	3	8.359	9.195	0.56	0.75	8.99	512.43	0.000	0.000	82.62	0.00	0.00
2	175.00	Low Profile Platform	1	8.359	9.195	1.00	1.00	33.96	2386.16	0.000	0.000	312.25	0.00	0.00
3	175.00	Commscope	3	8.359	9.195	1.00	1.00	0.00	123.75	0.000	0.000	0.00	0.00	0.00
4	175.00	HRK14	1	8.359	9.195	1.00	1.00	13.51	1513.74	0.000	0.000	124.22	0.00	0.00
5	175.00	NHH-85B-R2B	6	8.359	9.195	0.64	0.75	34.66	1092.26	0.000	0.000	318.74	0.00	0.00
6	175.00	BSF0020F3V1-1	2	8.359	9.195	1.00	1.00	2.24	57.07	0.000	0.000	20.57	0.00	0.00
7	175.00	B5/B13 RRH-BR04C	3	8.359	9.195	0.50	0.75	3.39	382.57	0.000	0.000	31.14	0.00	0.00
8	175.00	B2/B66A RRH-BR049	3	8.359	9.195	0.50	0.75	3.39	447.46	0.000	0.000	31.14	0.00	0.00
9	175.00	DB-C1-12C-24AB-0Z	1	8.359	9.195	1.00	1.00	4.62	86.93	0.000	0.000	42.45	0.00	0.00
10	175.00	TD-850B-LTE78-43	3	8.359	9.195	0.50	0.75	4.31	196.92	0.000	0.000	39.63	0.00	0.00
11	165.00	AM-X-CD-16-65-00T-RET	1	8.256	9.082	0.72	0.80	7.13	120.92	0.000	0.000	64.74	0.00	0.00
12	165.00	LGP2140X TMA	12	8.256	9.082	0.40	0.80	9.00	389.26	0.000	0.000	81.73	0.00	0.00
13	165.00	RRUS-11	6	8.256	9.082	0.40	0.80	7.07	563.06	0.000	0.000	64.22	0.00	0.00
14	165.00	800 10764	2	8.256	9.082	0.72	0.80	10.54	196.57	0.000	0.000	95.76	0.00	0.00
15	165.00	ABT-DF-DMADBH	1	8.256	9.082	1.00	1.00	0.18	2.12	0.000	0.000	1.63	0.00	0.00
16	165.00	DC6-48-60-18-8F	1	8.256	9.082	1.00	1.00	1.21	62.07	0.000	0.000	11.03	0.00	0.00
17	165.00	Low Profile Platform	1	8.256	9.082	1.00	1.00	33.89	2380.96	0.000	0.000	307.76	0.00	0.00
18	165.00	7770.00	6	8.256	9.082	0.58	0.80	21.73	757.82	0.000	0.000	197.37	0.00	0.00
19	155.00	Commscope VV-65A-R1	3	8.148	8.963	0.57	0.75	11.43	236.47	0.000	0.000	102.46	0.00	0.00
20	155.00	782 11056	3	8.148	8.963	0.65	0.75	1.07	29.93	0.000	0.000	9.62	0.00	0.00
21	155.00	S20057A1	3	8.148	8.963	0.55	0.75	2.11	61.27	0.000	0.000	18.94	0.00	0.00
22	155.00	KRY 112 144/1	3	8.148	8.963	0.52	0.75	1.15	51.93	0.000	0.000	10.27	0.00	0.00
23	155.00	Low Profile Platform	1	8.148	8.963	1.00	1.00	33.81	2375.47	0.000	0.000	303.08	0.00	0.00
24	155.00	HRK12 (Handrail Kit)	1	8.148	8.963	1.00	1.00	12.82	206.39	0.000	0.000	114.87	0.00	0.00
25	155.00	Ericsson 4460 B25 + B66	3	8.148	8.963	0.38	0.75	2.86	435.43	0.000	0.000	25.65	0.00	0.00
26	155.00	Ericsson 4480 B71 + B85	3	8.148	8.963	0.38	0.75	3.21	411.20	0.000	0.000	28.73	0.00	0.00
27	155.00	PRK-1245 (kicker kit)	1	8.148	8.963	1.00	1.00	16.15	679.88	0.000	0.000	144.79	0.00	0.00
28	155.00	Ericsson AIR6449 B41	3	8.148	8.963	0.53	0.75	10.04	550.84	0.000	0.000	90.01	0.00	0.00
29	155.00	RFS	3	8.148	8.963	0.52	0.75	33.86	1264.38	0.000	0.000	303.45	0.00	0.00
30	145.00	MC-PK8-DSH	1	8.035	8.838	1.00	1.00	68.97	2820.81	0.000	0.000	609.60	0.00	0.00
31	145.00	RDIDC-9181-OF-48	1	8.035	8.838	0.75	0.75	1.79	48.96	0.000	0.000	15.83	0.00	0.00
32	145.00	TA08025-B604	3	8.035	8.838	0.38	0.75	2.62	294.66	0.000	0.000	23.19	0.00	0.00
33	145.00	TA08025-B605	3	8.035	8.838	0.38	0.75	2.62	336.45	0.000	0.000	23.19	0.00	0.00
34	145.00	MX08FRO665-21	3	8.035	8.838	0.55	0.75	22.42	610.37	0.000	0.000	198.12	0.00	0.00
							Totals:		**21,686.54**			**3,848.84**		

Total Applied Force Summary

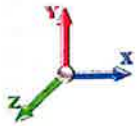
Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
Site Name:	Morris	**Exposure:**	C		
Height:	195.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 39	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 31

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		73.30	865.43	0.00	0.00
4.00		72.89	869.16	0.00	0.00
6.00		72.44	869.29	0.00	0.00
8.00		71.97	867.86	0.00	0.00
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

Total Applied Force Summary

Structure:	CT01501-S-SBA		**Code:**	TIA-222-H	7/13/2023
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	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
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) attachments	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
152.00		60.04	403.83	0.00	0.00
154.00		59.36	399.53	0.00	0.00
155.00	(27) attachments	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		55.84	340.12	0.00	0.00
165.00	(30) attachments	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		52.18	282.50	0.00	0.00
175.00	(26) attachments	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		49.71	256.84	0.00	0.00
186.00		49.83	256.92	0.00	0.00
188.00		49.94	257.01	0.00	0.00

Total Applied Force Summary

Structure:	CT01501-S-SBA		**Code:**	TIA-222-H	7/13/2023
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	Page: 41

TES Tower Engineering Solutions

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)

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 42	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 31

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	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	1.75" Hybrid	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	9.49
10.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.59	0.00	0.028	0.000	4.990	0.00	9.63
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
14.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.60	0.00	0.028	0.000	4.990	0.00	9.85
16.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.60	0.00	0.028	0.000	5.052	0.00	9.94
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	5.295	0.00	10.09
22.00	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	10.22
26.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.62	0.00	0.029	0.000	5.596	0.00	10.28
28.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.62	0.00	0.030	0.000	5.684	0.00	10.33
30.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.62	0.00	0.030	0.000	5.767	0.00	10.38
32.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.62	0.00	0.030	0.000	5.846	0.00	10.43
34.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.030	0.000	5.921	0.00	10.48
36.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.031	0.000	5.992	0.00	10.52
38.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.031	0.000	6.061	0.00	10.56
40.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.031	0.000	6.127	0.00	10.60
41.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.32	0.00	0.031	0.000	6.159	0.00	5.31
42.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.32	0.00	0.031	0.000	6.190	0.00	5.32
44.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.032	0.000	6.251	0.00	10.68
46.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.032	0.000	6.310	0.00	10.72
48.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.032	0.000	6.366	0.00	10.75
50.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.032	0.000	6.421	0.00	10.78
52.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.032	0.000	6.475	0.00	10.81
54.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.033	0.000	6.526	0.00	10.85
56.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.033	0.000	6.576	0.00	10.88
58.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.033	0.000	6.625	0.00	10.90
60.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.034	0.000	6.673	0.00	10.93
62.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.034	0.000	6.719	0.00	10.96
64.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.034	0.000	6.764	0.00	10.99
66.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.035	0.000	6.808	0.00	11.01
68.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.035	0.000	6.851	0.00	11.04
70.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.035	0.000	6.893	0.00	11.06
72.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.036	0.000	6.934	0.00	11.09
74.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.036	0.000	6.974	0.00	11.11
76.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.036	0.000	7.013	0.00	11.14
78.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.037	0.000	7.052	0.00	11.16
80.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.037	0.000	7.089	0.00	11.18
81.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.33	0.00	0.037	0.000	7.108	0.00	5.60
82.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.33	0.00	0.037	0.000	7.126	0.00	5.60
84.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.038	0.000	7.162	0.00	11.22
85.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.33	0.00	0.038	0.000	7.180	0.00	5.62
86.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.33	0.00	0.038	0.000	7.198	0.00	5.62
88.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.038	0.000	7.233	0.00	11.27

Linear Appurtenance Segment Forces (Factored)

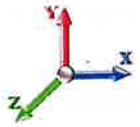
Structure: CT01501-S-SBA
Site Name: Morris
Height: 195.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/13/2023

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 31

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
90.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.039	0.000	7.267	0.00	11.29
91.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.33	0.00	0.039	0.000	7.284	0.00	5.65
92.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.33	0.00	0.039	0.000	7.301	0.00	5.65
94.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.039	0.000	7.334	0.00	11.32
96.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.040	0.000	7.367	0.00	11.34
98.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.040	0.000	7.399	0.00	11.36
100.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.040	0.000	7.430	0.00	11.38
102.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.041	0.000	7.461	0.00	11.40
104.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.041	0.000	7.492	0.00	11.42
106.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.042	0.000	7.522	0.00	11.43
108.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.042	0.000	7.552	0.00	11.45
110.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.043	0.000	7.581	0.00	11.47
112.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.043	0.000	7.610	0.00	11.49
114.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.044	0.000	7.638	0.00	11.50
116.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.044	0.000	7.666	0.00	11.52
118.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.045	0.000	7.694	0.00	11.53
120.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.046	0.000	7.721	0.00	11.55
122.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.046	0.000	7.748	0.00	11.57
124.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.047	0.000	7.775	0.00	11.58
126.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.047	0.000	7.801	0.00	11.60
128.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.048	0.000	7.827	0.00	11.61
130.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.049	0.000	7.852	0.00	11.63
132.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.049	0.000	7.878	0.00	11.64
134.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.68	0.00	0.050	0.000	7.902	0.00	11.66
135.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.34	0.00	0.050	0.000	7.915	0.00	5.83
136.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.34	0.00	0.050	0.000	7.927	0.00	5.83
138.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.68	0.00	0.051	0.000	7.952	0.00	11.68
140.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.68	0.00	0.051	0.000	7.976	0.00	11.70
142.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.68	0.00	0.052	0.000	8.000	0.00	11.71
144.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.68	0.00	0.053	0.000	8.023	0.00	11.72
145.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.34	0.00	0.053	0.000	8.035	0.00	5.87
										Totals:	**0.0**	**791.9**

Calculated Forces

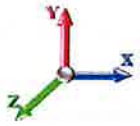
Structure: CT01501-S-SBA
Site Name: Morris
Height: 195.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/13/2023
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

TES Tower Engineering Solutions

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

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 31

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-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	-0.077	0.000	0.231
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	-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	-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
70.00	-52.36	-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	-51.63	-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
74.00	-50.91	-8.42	0.00	-621.93	0.00	621.93	3894.16	991.23	3902.68	3802.10	5.81	-0.764	0.000	0.177
76.00	-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	0.00	-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	0.00	-571.83	0.00	571.83	3816.78	961.72	3673.81	3614.75	6.81	-0.830	0.000	0.171
81.00	-48.42	-8.18	0.00	-563.62	0.00	563.62	3803.65	956.81	3636.33	3583.75	6.98	-0.841	0.000	0.170
81.00	-48.42	-8.18	0.00	-563.62	0.00	563.62	2964.89	798.43	3038.55	2801.11	6.98	-0.841	0.000	0.218
82.00	-48.11	-8.15	0.00	-555.44	0.00	555.44	2956.04	794.33	3007.44	2778.31	7.16	-0.852	0.000	0.216
84.00	-47.49	-8.08	0.00	-539.15	0.00	539.15	2938.13	786.13	2945.70	2732.80	7.52	-0.878	0.000	0.214
85.00	-47.18	-8.05	0.00	-531.07	0.00	531.07	2929.08	782.04	2915.07	2710.08	7.71	-0.891	0.000	0.212
86.00	-46.69	-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

Calculated 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: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

7/13/2023

Tower Engineering Solutions

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	0.000	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	0.000	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	0.000	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	0.000	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	0.000	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	0.000	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	0.000	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	0.000	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	0.000	0.182
104.00	-40.39	-7.40	0.00	-383.78	0.00	383.78	2771.85	715.06	2437.12	2343.44	11.74	-1.133	0.000	0.178
106.00	-39.82	-7.33	0.00	-368.99	0.00	368.99	2751.41	706.86	2381.57	2299.29	12.22	-1.157	0.000	0.175
108.00	-39.25	-7.27	0.00	-354.32	0.00	354.32	2730.70	698.66	2326.66	2255.33	12.71	-1.182	0.000	0.172
110.00	-38.68	-7.20	0.00	-339.79	0.00	339.79	2709.73	690.47	2272.40	2211.55	13.22	-1.206	0.000	0.168
112.00	-38.12	-7.13	0.00	-325.39	0.00	325.39	2688.50	682.27	2218.77	2167.98	13.73	-1.230	0.000	0.164
114.00	-37.57	-7.06	0.00	-311.13	0.00	311.13	2667.01	674.08	2165.79	2124.61	14.25	-1.254	0.000	0.161
116.00	-37.02	-7.00	0.00	-297.00	0.00	297.00	2645.25	665.88	2113.44	2081.45	14.78	-1.278	0.000	0.157
118.00	-36.47	-6.93	0.00	-283.01	0.00	283.01	2623.23	657.69	2061.74	2038.51	15.32	-1.302	0.000	0.153
120.00	-35.93	-6.86	0.00	-269.15	0.00	269.15	2600.95	649.49	2010.67	1995.80	15.87	-1.325	0.000	0.149
122.00	-35.40	-6.80	0.00	-255.43	0.00	255.43	2578.41	641.29	1960.25	1953.33	16.43	-1.348	0.000	0.145
124.00	-34.87	-6.73	0.00	-241.84	0.00	241.84	2555.60	633.10	1910.47	1911.10	17.00	-1.370	0.000	0.140
126.00	-34.34	-6.66	0.00	-228.38	0.00	228.38	2532.53	624.90	1861.32	1869.12	17.58	-1.393	0.000	0.136
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	0.000	0.131
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	0.000	0.127
132.00	-32.57	-6.45	0.00	-188.81	0.00	188.81	2461.74	600.32	1717.74	1744.78	19.37	-1.456	0.000	0.122
134.00	-31.83	-6.38	0.00	-175.90	0.00	175.90	2437.62	592.12	1671.15	1703.88	19.98	-1.477	0.000	0.116
135.00	-31.47	-6.34	0.00	-169.52	0.00	169.52	1823.78	478.25	1362.76	1289.51	20.29	-1.487	0.000	0.149
136.00	-31.25	-6.31	0.00	-163.18	0.00	163.18	1816.04	474.97	1344.14	1275.17	20.61	-1.496	0.000	0.145
138.00	-30.80	-6.25	0.00	-150.56	0.00	150.56	1800.35	468.42	1307.29	1246.57	21.24	-1.519	0.000	0.138
140.00	-30.36	-6.18	0.00	-138.06	0.00	138.06	1784.40	461.86	1270.94	1218.11	21.88	-1.540	0.000	0.131
142.00	-29.92	-6.12	0.00	-125.70	0.00	125.70	1768.19	455.30	1235.12	1189.78	22.53	-1.561	0.000	0.123
144.00	-29.49	-6.05	0.00	-113.46	0.00	113.46	1751.71	448.75	1199.80	1161.59	23.19	-1.580	0.000	0.115
145.00	-25.19	-5.04	0.00	-107.41	0.00	107.41	1743.38	445.47	1182.33	1147.55	23.52	-1.590	0.000	0.108
146.00	-24.98	-5.00	0.00	-102.37	0.00	102.37	1734.98	442.19	1165.00	1133.55	23.85	-1.599	0.000	0.105
148.00	-24.57	-4.94	0.00	-92.36	0.00	92.36	1717.98	435.63	1130.70	1105.67	24.53	-1.616	0.000	0.098
150.00	-24.16	-4.87	0.00	-82.49	0.00	82.49	1700.71	429.08	1096.92	1077.96	25.21	-1.632	0.000	0.091
152.00	-23.76	-4.81	0.00	-72.74	0.00	72.74	1683.19	422.52	1063.66	1050.42	25.89	-1.647	0.000	0.083
154.00	-23.36	-4.74	0.00	-63.13	0.00	63.13	1665.40	415.96	1030.90	1023.06	26.59	-1.661	0.000	0.076
155.00	-16.89	-3.37	0.00	-58.39	0.00	58.39	1656.41	412.69	1014.72	1009.45	26.94	-1.668	0.000	0.068
156.00	-16.72	-3.34	0.00	-55.02	0.00	55.02	1647.35	409.41	998.66	995.89	27.29	-1.674	0.000	0.065
158.00	-16.36	-3.28	0.00	-48.34	0.00	48.34	1629.04	402.85	966.93	968.91	27.99	-1.685	0.000	0.060
160.00	-16.02	-3.21	0.00	-41.78	0.00	41.78	1610.46	396.29	935.71	942.14	28.70	-1.696	0.000	0.054
162.00	-15.67	-3.15	0.00	-35.36	0.00	35.36	1591.62	389.74	905.01	915.58	29.41	-1.705	0.000	0.049
164.00	-15.33	-3.08	0.00	-29.07	0.00	29.07	1572.52	383.18	874.81	889.24	30.13	-1.714	0.000	0.043
165.00	-10.72	-2.09	0.00	-25.99	0.00	25.99	1562.88	379.90	859.91	876.15	30.49	-1.717	0.000	0.037
166.00	-10.57	-2.06	0.00	-23.90	0.00	23.90	1553.16	376.62	845.13	863.13	30.85	-1.721	0.000	0.035
168.00	-10.28	-2.00	0.00	-19.77	0.00	19.77	1533.53	370.07	815.96	837.25	31.57	-1.727	0.000	0.030
170.00	-9.99	-1.94	0.00	-15.77	0.00	15.77	1513.65	363.51	787.30	811.61	32.29	-1.733	0.000	0.026
172.00	-9.70	-1.88	0.00	-11.90	0.00	11.90	1493.49	356.96	759.16	786.22	33.02	-1.737	0.000	0.022
174.00	-9.42	-1.82	0.00	-8.15	0.00	8.15	1473.08	350.40	731.53	761.10	33.75	-1.740	0.000	0.017
175.00	-2.52	-0.58	0.00	-6.33	0.00	6.33	1462.77	347.12	717.90	748.63	34.11	-1.742	0.000	0.010
176.00	-2.40	-0.55	0.00	-5.75	0.00	5.75	1452.40	343.84	704.41	736.23	34.48	-1.743	0.000	0.009
178.00	-2.15	-0.49	0.00	-4.66	0.00	4.66	1427.84	337.29	677.80	709.84	35.21	-1.745	0.000	0.008
180.00	-1.92	-0.43	0.00	-3.68	0.00	3.68	1400.09	330.73	651.70	682.38	35.94	-1.746	0.000	0.007
180.00	-1.92	-0.43	0.00	-3.68	0.00	3.68	1571.64	371.25	730.60	763.99	35.94	-1.746	0.000	0.006
182.00	-1.66	-0.38	0.00	-2.81	0.00	2.81	1571.64	371.25	730.60	763.99	36.67	-1.748	0.000	0.005
184.00	-1.41	-0.32	0.00	-2.06	0.00	2.06	1571.64	371.25	730.60	763.99	37.40	-1.749	0.000	0.004
186.00	-1.15	-0.26	0.00	-1.42	0.00	1.42	1571.64	371.25	730.60	763.99	38.14	-1.749	0.000	0.003

188.00	-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
190.00	-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
192.00	-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
194.00	-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
195.00	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

Seismic Segment Forces (Factored)

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 47	

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Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20	**Iterations**	27
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.18
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.26	**SA**	0.02	**S1**	0.05
						Seismic Importance Factor	1.00

R: 1.50

Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)
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	0.01
8.00		623.85	7.00	24.49	0.01
10.00		620.04	9.00	24.34	0.02
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
72.00		507.89	71.00	19.94	0.81
74.00		504.07	73.00	19.79	0.84
76.00		500.26	75.00	19.64	0.87
78.00		496.44	77.00	19.49	0.91
80.00		492.63	79.00	19.34	0.94
81.00	Top - Section 2	244.88	80.50	9.61	0.24
82.00		213.30	81.50	8.37	0.19
84.00		424.22	83.00	16.65	0.77
85.00	Bot - Section 4	210.92	84.50	8.28	0.20

Seismic Segment Forces (Factored)

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 48	

Tower Engineering Solutions

86.00		363.47	85.50	14.27	0.60
88.00		722.16	87.00	28.35	2.45
90.00		715.81	89.00	28.10	2.52
91.00	Top - Section 3	355.52	90.50	13.96	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		403.02	99.00	15.82	0.99
102.00		399.84	101.00	15.69	1.01
104.00		396.66	103.00	15.57	1.03
106.00		393.48	105.00	15.45	1.06
108.00		390.30	107.00	15.32	1.08
110.00		387.12	109.00	15.20	1.10
112.00		383.95	111.00	15.07	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		364.88	123.00	14.32	1.25
126.00		361.70	125.00	14.20	1.27
128.00		358.52	127.00	14.07	1.29
130.00	Bot - Section 5	355.34	129.00	13.95	1.30
132.00		542.71	131.00	21.30	3.13
134.00		536.99	133.00	21.08	3.16
135.00	Top - Section 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		293.07	143.00	11.50	1.09
145.00	Appurtenance(s)	2504.6	144.50	98.32	81.21
146.00		142.56	145.50	5.60	0.27
148.00		283.21	147.00	11.12	1.07
150.00		280.67	149.00	11.02	1.08
152.00		278.12	151.00	10.92	1.09
154.00		275.58	153.00	10.82	1.10
155.00	Appurtenance(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		225.04	163.00	8.83	0.83
165.00	Appurtenance(s)	2518.5	164.50	98.86	106.41
166.00		92.97	165.50	3.65	0.15
168.00		184.03	167.00	7.22	0.59
170.00		181.49	169.00	7.12	0.58
172.00		178.95	171.00	7.02	0.58
174.00		176.40	173.00	6.92	0.58
175.00	Appurtenance(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 - Section 5	138.68	179.00	5.44	0.38
182.00		153.12	181.00	6.01	0.48
184.00		153.12	183.00	6.01	0.49
186.00		153.12	185.00	6.01	0.50

Seismic Segment Forces (Factored)

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 49

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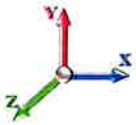
188.00		153.12	187.00	6.01	0.51		
190.00		153.12	189.00	6.01	0.52		
192.00		153.12	191.00	6.01	0.53		
194.00		153.12	193.00	6.01	0.54		
195.00		76.56	194.50	3.01	0.14		
	Totals:	**54,243.4**		**2,129.2**	**680.1**	**Total Wind:**	**35,522.4**

Calculated Forces

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 50	

TES Tower Engineering Solutions

Load Case: 1.2D + 1.0Ev + 1.0Eh



Gust Response Factor	1.10			**Sds**	0.20			**Iterations**	27
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.18
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.26	**SA**	0.02	**Seismic Importance Factor**	1.00	**S1**	0.05

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-65.27	-0.68	0.00	-113.22	0.00	113.22	4628.91	1339.45	7126.38	6119.66		0.00	0.00	0.033
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	0.032
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	0.032
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	0.032
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
10.00	-61.50	-0.69	0.00	-106.40	0.00	106.40	4545.12	1290.28	6612.74	5787.00		0.01	-0.01	0.032
12.00	-60.76	-0.69	0.00	-105.02	0.00	105.02	4527.57	1280.44	6512.31	5720.46		0.01	-0.01	0.032
14.00	-60.02	-0.69	0.00	-103.65	0.00	103.65	4509.77	1270.61	6412.66	5653.92		0.02	-0.01	0.032
16.00	-59.29	-0.69	0.00	-102.27	0.00	102.27	4491.69	1260.77	6313.77	5587.41		0.02	-0.01	0.032
18.00	-58.56	-0.69	0.00	-100.88	0.00	100.88	4473.36	1250.94	6215.65	5520.93		0.03	-0.02	0.031
20.00	-57.84	-0.70	0.00	-99.49	0.00	99.49	4454.76	1241.10	6118.30	5454.49		0.03	-0.02	0.031
22.00	-57.13	-0.70	0.00	-98.10	0.00	98.10	4435.90	1231.27	6021.72	5388.08		0.04	-0.02	0.031
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
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	0.030
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	0.032
82.00	-35.83	-0.71	0.00	-55.67	0.00	55.67	2956.04	794.33	3007.44	2778.31		0.64	-0.08	0.032
84.00	-35.33	-0.71	0.00	-54.25	0.00	54.25	2938.13	786.13	2945.70	2732.80		0.68	-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

Calculated 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: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

7/13/2023

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86.00	-34.64	-0.71	0.00	-52.83	0.00	52.83	2919.97	777.94	2884.60	2687.40	0.71	-0.08	0.032
88.00	-33.77	-0.71	0.00	-51.41	0.00	51.41	2901.54	769.74	2824.14	2642.11	0.75	-0.09	0.031
90.00	-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
91.00	-32.47	-0.70	0.00	-49.29	0.00	49.29	2898.33	768.33	2813.78	2634.30	0.80	-0.09	0.030
92.00	-32.23	-0.71	0.00	-48.58	0.00	48.58	2889.00	764.23	2783.84	2611.72	0.82	-0.09	0.030
94.00	-31.74	-0.71	0.00	-47.17	0.00	47.17	2870.13	756.03	2724.45	2566.64	0.86	-0.09	0.029
96.00	-31.26	-0.70	0.00	-45.76	0.00	45.76	2851.00	747.84	2665.70	2521.69	0.90	-0.10	0.029
98.00	-30.78	-0.70	0.00	-44.35	0.00	44.35	2831.61	739.64	2607.60	2476.90	0.94	-0.10	0.029
100.00	-30.30	-0.70	0.00	-42.94	0.00	42.94	2811.95	731.45	2550.13	2432.25	0.99	-0.10	0.028
102.00	-29.83	-0.70	0.00	-41.53	0.00	41.53	2792.03	723.25	2493.30	2387.76	1.03	-0.10	0.028
104.00	-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
106.00	-28.90	-0.70	0.00	-38.72	0.00	38.72	2751.41	706.86	2381.57	2299.29	1.12	-0.11	0.027
108.00	-28.44	-0.70	0.00	-37.32	0.00	37.32	2730.70	698.66	2326.66	2255.33	1.17	-0.11	0.027
110.00	-27.98	-0.70	0.00	-35.92	0.00	35.92	2709.73	690.47	2272.40	2211.55	1.21	-0.12	0.027
112.00	-27.53	-0.70	0.00	-34.51	0.00	34.51	2688.50	682.27	2218.77	2167.98	1.26	-0.12	0.026
114.00	-27.08	-0.70	0.00	-33.11	0.00	33.11	2667.01	674.08	2165.79	2124.61	1.31	-0.12	0.026
116.00	-26.64	-0.70	0.00	-31.72	0.00	31.72	2645.25	665.88	2113.44	2081.45	1.36	-0.12	0.025
118.00	-26.20	-0.70	0.00	-30.32	0.00	30.32	2623.23	657.69	2061.74	2038.51	1.42	-0.13	0.025
120.00	-25.76	-0.70	0.00	-28.93	0.00	28.93	2600.95	649.49	2010.67	1995.80	1.47	-0.13	0.024
122.00	-25.33	-0.70	0.00	-27.53	0.00	27.53	2578.41	641.29	1960.25	1953.33	1.52	-0.13	0.024
124.00	-24.90	-0.69	0.00	-26.14	0.00	26.14	2555.60	633.10	1910.47	1911.10	1.58	-0.13	0.023
126.00	-24.47	-0.69	0.00	-24.76	0.00	24.76	2532.53	624.90	1861.32	1869.12	1.63	-0.14	0.023
128.00	-24.05	-0.69	0.00	-23.37	0.00	23.37	2509.20	616.71	1812.82	1827.41	1.69	-0.14	0.022
130.00	-23.64	-0.69	0.00	-21.99	0.00	21.99	2485.60	608.51	1764.96	1785.96	1.75	-0.14	0.022
132.00	-22.99	-0.69	0.00	-20.61	0.00	20.61	2461.74	600.32	1717.74	1744.78	1.81	-0.14	0.021
134.00	-22.34	-0.68	0.00	-19.23	0.00	19.23	2437.62	592.12	1671.15	1703.88	1.87	-0.14	0.020
135.00	-22.03	-0.68	0.00	-18.55	0.00	18.55	1823.78	478.25	1362.76	1289.51	1.90	-0.15	0.026
136.00	-21.85	-0.68	0.00	-17.87	0.00	17.87	1816.04	474.97	1344.14	1275.17	1.93	-0.15	0.026
138.00	-21.50	-0.68	0.00	-16.51	0.00	16.51	1800.35	468.42	1307.29	1246.57	1.99	-0.15	0.025
140.00	-21.16	-0.68	0.00	-15.15	0.00	15.15	1784.40	461.86	1270.94	1218.11	2.05	-0.15	0.024
142.00	-20.81	-0.68	0.00	-13.79	0.00	13.79	1768.19	455.30	1235.12	1189.78	2.12	-0.15	0.023
144.00	-20.47	-0.68	0.00	-12.44	0.00	12.44	1751.71	448.75	1199.80	1161.59	2.18	-0.16	0.022
145.00	-17.38	-0.59	0.00	-11.76	0.00	11.76	1743.38	445.47	1182.33	1147.55	2.22	-0.16	0.020
146.00	-17.22	-0.59	0.00	-11.17	0.00	11.17	1734.98	442.19	1165.00	1133.55	2.25	-0.16	0.020
148.00	-16.89	-0.59	0.00	-10.00	0.00	10.00	1717.98	435.63	1130.70	1105.67	2.32	-0.16	0.019
150.00	-16.56	-0.58	0.00	-8.83	0.00	8.83	1700.71	429.08	1096.92	1077.96	2.38	-0.16	0.018
152.00	-16.24	-0.58	0.00	-7.66	0.00	7.66	1683.19	422.52	1063.66	1050.42	2.45	-0.16	0.017
154.00	-15.92	-0.58	0.00	-6.50	0.00	6.50	1665.40	415.96	1030.90	1023.06	2.52	-0.16	0.016
155.00	-11.22	-0.35	0.00	-5.91	0.00	5.91	1656.41	412.69	1014.72	1009.45	2.55	-0.17	0.013
156.00	-11.08	-0.35	0.00	-5.56	0.00	5.56	1647.35	409.41	998.66	995.89	2.59	-0.17	0.012
158.00	-10.81	-0.35	0.00	-4.85	0.00	4.85	1629.04	402.85	966.93	968.91	2.66	-0.17	0.012
160.00	-10.54	-0.35	0.00	-4.15	0.00	4.15	1610.46	396.29	935.71	942.14	2.73	-0.17	0.011
162.00	-10.27	-0.35	0.00	-3.45	0.00	3.45	1591.62	389.74	905.01	915.58	2.80	-0.17	0.010
164.00	-10.01	-0.35	0.00	-2.75	0.00	2.75	1572.52	383.18	874.81	889.24	2.87	-0.17	0.009
165.00	-6.90	-0.23	0.00	-2.40	0.00	2.40	1562.88	379.90	859.91	876.15	2.91	-0.17	0.007
166.00	-6.79	-0.23	0.00	-2.17	0.00	2.17	1553.16	376.62	845.13	863.13	2.94	-0.17	0.007
168.00	-6.57	-0.23	0.00	-1.71	0.00	1.71	1533.53	370.07	815.96	837.25	3.01	-0.17	0.006
170.00	-6.35	-0.23	0.00	-1.25	0.00	1.25	1513.65	363.51	787.30	811.61	3.08	-0.17	0.006
172.00	-6.13	-0.23	0.00	-0.79	0.00	0.79	1493.49	356.96	759.16	786.22	3.16	-0.17	0.005
174.00	-5.92	-0.23	0.00	-0.33	0.00	0.33	1473.08	350.40	731.53	761.10	3.23	-0.17	0.004
175.00	-1.84	-0.01	0.00	-0.11	0.00	0.11	1462.77	347.12	717.90	748.63	3.26	-0.17	0.001
176.00	-1.75	-0.01	0.00	-0.10	0.00	0.10	1452.40	343.84	704.41	736.23	3.30	-0.17	0.001
178.00	-1.58	-0.01	0.00	-0.08	0.00	0.08	1427.84	337.29	677.80	709.84	3.37	-0.17	0.001
180.00	-1.41	-0.01	0.00	-0.06	0.00	0.06	1400.09	330.73	651.70	682.38	3.44	-0.17	0.001
180.00	-1.41	-0.01	0.00	-0.06	0.00	0.06	1571.64	371.25	730.60	763.99	3.44	-0.17	0.001
182.00	-1.22	-0.01	0.00	-0.05	0.00	0.05	1571.64	371.25	730.60	763.99	3.52	-0.17	0.001
184.00	-1.03	-0.01	0.00	-0.03	0.00	0.03	1571.64	371.25	730.60	763.99	3.59	-0.17	0.001

Calculated Forces

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 52

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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)

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 53	

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Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20	**Iterations**	27
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.18
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.26	**SA**	0.02	**S1**	0.05
						Seismic Importance Factor	1.00

R: 1.50

Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)
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
41.00	Bot - Section 2	265.26	40.50	10.41	0.07
42.00		487.49	41.50	19.14	0.26
44.00		969.25	43.00	38.05	1.10
46.00		961.62	45.00	37.75	1.18
48.00	Top - Section 1	953.99	47.00	37.45	1.27
50.00		520.39	49.00	20.43	0.41
52.00		516.58	51.00	20.28	0.44
54.00		512.76	53.00	20.13	0.47
56.00		508.95	55.00	19.98	0.50
58.00		505.14	57.00	19.83	0.52
60.00		501.32	59.00	19.68	0.55
62.00		497.51	61.00	19.53	0.58
64.00		493.69	63.00	19.38	0.61
66.00		489.88	65.00	19.23	0.64
68.00		486.07	67.00	19.08	0.67
70.00		482.25	69.00	18.93	0.70
72.00		478.44	71.00	18.78	0.73
74.00		474.63	73.00	18.63	0.76
76.00		470.81	75.00	18.48	0.79
78.00		467.00	77.00	18.33	0.82
80.00		463.18	79.00	18.18	0.85
81.00	Top - Section 2	230.16	80.50	9.03	0.22
82.00		198.58	81.50	7.79	0.17
84.00		394.78	83.00	15.50	0.68
85.00	Bot - Section 4	196.20	84.50	7.70	0.17

Seismic Segment Forces (Factored)

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 54	

Tower Engineering Solutions

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 - 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 - Section 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 - Section 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	Appurtenance(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	Appurtenance(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	Appurtenance(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	Appurtenance(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 - Section 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)

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 55

Tower Engineering Solutions

188.00		150.83	187.00	5.92	0.50		
190.00		150.83	189.00	5.92	0.51		
192.00		150.83	191.00	5.92	0.52		
194.00		150.83	193.00	5.92	0.54		
195.00		75.42	194.50	2.96	0.14		
	Totals:	**51,801.4**		**2,033.4**	**680.1**	**Total Wind:**	**35,522.4**

Calculated Forces

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 56	

TES Tower Engineering Solutions

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20			**Iterations**	27
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.18
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.26	**SA**	0.02			**S1**	0.05
								Seismic Importance 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 (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-49.39	-0.68	0.00	-111.86	0.00	111.86	4628.91	1339.45	7126.38	6119.66		0.00	0.00	0.029
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		0.01	-0.01	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	0.028
12.00	-45.97	-0.69	0.00	-103.68	0.00	103.68	4527.57	1280.44	6512.31	5720.46		0.01	-0.01	0.028
14.00	-45.42	-0.69	0.00	-102.30	0.00	102.30	4509.77	1270.61	6412.66	5653.92		0.02	-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	-0.01	0.028
18.00	-44.32	-0.69	0.00	-99.55	0.00	99.55	4473.36	1250.94	6215.65	5520.93		0.03	-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	-0.02	0.028
22.00	-43.23	-0.69	0.00	-96.79	0.00	96.79	4435.90	1231.27	6021.72	5388.08		0.04	-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		0.05	-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	-0.02	0.027
28.00	-41.62	-0.70	0.00	-92.63	0.00	92.63	4377.75	1201.76	5736.58	5189.22		0.07	-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		0.08	-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	0.027
34.00	-40.05	-0.70	0.00	-88.46	0.00	88.46	4317.23	1172.26	5458.36	4991.03		0.10	-0.03	0.027
36.00	-39.53	-0.70	0.00	-87.06	0.00	87.06	4296.53	1162.42	5367.16	4925.16		0.11	-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		0.13	-0.03	0.027
40.00	-38.51	-0.70	0.00	-84.27	0.00	84.27	4254.35	1142.76	5187.06	4793.73		0.14	-0.04	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	0.026
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	75.87	4157.69	1099.41	4801.05	4505.91		0.25	-0.05	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	0.024
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	0.023
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	-0.08	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	-0.08	0.029
82.00	-27.11	-0.70	0.00	-54.88	0.00	54.88	2956.04	794.33	3007.44	2778.31		0.64	-0.08	0.029
84.00	-26.73	-0.70	0.00	-53.48	0.00	53.48	2938.13	786.13	2945.70	2732.80		0.67	-0.08	0.029
85.00	-26.55	-0.70	0.00	-52.78	0.00	52.78	2929.08	782.04	2915.07	2710.08		0.69	-0.08	0.029

Calculated 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: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

7/13/2023

Tower Engineering Solutions

86.00	-26.21	-0.70	0.00	-52.08	0.00	52.08	2919.97	777.94	2884.60	2687.40	0.70	-0.08	0.028
88.00	-25.55	-0.70	0.00	-50.68	0.00	50.68	2901.54	769.74	2824.14	2642.11	0.74	-0.09	0.028
90.00	-24.90	-0.69	0.00	-49.29	0.00	49.29	2882.85	761.55	2764.32	2596.94	0.77	-0.09	0.028
91.00	-24.58	-0.69	0.00	-48.60	0.00	48.60	2898.33	768.33	2813.78	2634.30	0.79	-0.09	0.027
92.00	-24.39	-0.69	0.00	-47.90	0.00	47.90	2889.00	764.23	2783.84	2611.72	0.81	-0.09	0.027
94.00	-24.02	-0.69	0.00	-46.51	0.00	46.51	2870.13	756.03	2724.45	2566.64	0.85	-0.09	0.026
96.00	-23.66	-0.69	0.00	-45.13	0.00	45.13	2851.00	747.84	2665.70	2521.69	0.89	-0.10	0.026
98.00	-23.29	-0.69	0.00	-43.74	0.00	43.74	2831.61	739.64	2607.60	2476.90	0.93	-0.10	0.026
100.00	-22.93	-0.69	0.00	-42.35	0.00	42.35	2811.95	731.45	2550.13	2432.25	0.97	-0.10	0.026
102.00	-22.58	-0.69	0.00	-40.97	0.00	40.97	2792.03	723.25	2493.30	2387.76	1.02	-0.10	0.025
104.00	-22.22	-0.69	0.00	-39.58	0.00	39.58	2771.85	715.06	2437.12	2343.44	1.06	-0.11	0.025
106.00	-21.87	-0.69	0.00	-38.20	0.00	38.20	2751.41	706.86	2381.57	2299.29	1.10	-0.11	0.025
108.00	-21.52	-0.69	0.00	-36.82	0.00	36.82	2730.70	698.66	2326.66	2255.33	1.15	-0.11	0.024
110.00	-21.18	-0.69	0.00	-35.44	0.00	35.44	2709.73	690.47	2272.40	2211.55	1.20	-0.11	0.024
112.00	-20.84	-0.69	0.00	-34.06	0.00	34.06	2688.50	682.27	2218.77	2167.98	1.25	-0.12	0.023
114.00	-20.50	-0.69	0.00	-32.68	0.00	32.68	2667.01	674.08	2165.79	2124.61	1.29	-0.12	0.023
116.00	-20.16	-0.69	0.00	-31.31	0.00	31.31	2645.25	665.88	2113.44	2081.45	1.34	-0.12	0.023
118.00	-19.83	-0.69	0.00	-29.93	0.00	29.93	2623.23	657.69	2061.74	2038.51	1.40	-0.12	0.022
120.00	-19.50	-0.69	0.00	-28.56	0.00	28.56	2600.95	649.49	2010.67	1995.80	1.45	-0.13	0.022
122.00	-19.17	-0.68	0.00	-27.19	0.00	27.19	2578.41	641.29	1960.25	1953.33	1.50	-0.13	0.021
124.00	-18.85	-0.68	0.00	-25.82	0.00	25.82	2555.60	633.10	1910.47	1911.10	1.56	-0.13	0.021
126.00	-18.53	-0.68	0.00	-24.45	0.00	24.45	2532.53	624.90	1861.32	1869.12	1.61	-0.13	0.020
128.00	-18.21	-0.68	0.00	-23.09	0.00	23.09	2509.20	616.71	1812.82	1827.41	1.67	-0.14	0.020
130.00	-17.90	-0.68	0.00	-21.73	0.00	21.73	2485.60	608.51	1764.96	1785.96	1.73	-0.14	0.019
132.00	-17.40	-0.68	0.00	-20.37	0.00	20.37	2461.74	600.32	1717.74	1744.78	1.78	-0.14	0.019
134.00	-16.92	-0.67	0.00	-19.01	0.00	19.01	2437.62	592.12	1671.15	1703.88	1.84	-0.14	0.018
135.00	-16.68	-0.67	0.00	-18.34	0.00	18.34	1823.78	478.25	1362.76	1289.51	1.87	-0.14	0.023
136.00	-16.55	-0.67	0.00	-17.67	0.00	17.67	1816.04	474.97	1344.14	1275.17	1.90	-0.14	0.023
138.00	-16.28	-0.67	0.00	-16.32	0.00	16.32	1800.35	468.42	1307.29	1246.57	1.96	-0.15	0.022
140.00	-16.02	-0.67	0.00	-14.98	0.00	14.98	1784.40	461.86	1270.94	1218.11	2.03	-0.15	0.021
142.00	-15.76	-0.67	0.00	-13.64	0.00	13.64	1768.19	455.30	1235.12	1189.78	2.09	-0.15	0.020
144.00	-15.51	-0.67	0.00	-12.30	0.00	12.30	1751.71	448.75	1199.80	1161.59	2.15	-0.15	0.019
145.00	-13.16	-0.58	0.00	-11.63	0.00	11.63	1743.38	445.47	1182.33	1147.55	2.19	-0.15	0.018
146.00	-13.04	-0.58	0.00	-11.05	0.00	11.05	1734.98	442.19	1165.00	1133.55	2.22	-0.16	0.017
148.00	-12.79	-0.58	0.00	-9.89	0.00	9.89	1717.98	435.63	1130.70	1105.67	2.28	-0.16	0.016
150.00	-12.54	-0.58	0.00	-8.73	0.00	8.73	1700.71	429.08	1096.92	1077.96	2.35	-0.16	0.015
152.00	-12.30	-0.58	0.00	-7.57	0.00	7.57	1683.19	422.52	1063.66	1050.42	2.42	-0.16	0.015
154.00	-12.06	-0.58	0.00	-6.42	0.00	6.42	1665.40	415.96	1030.90	1023.06	2.49	-0.16	0.014
155.00	-8.50	-0.35	0.00	-5.85	0.00	5.85	1656.41	412.69	1014.72	1009.45	2.52	-0.16	0.011
156.00	-8.40	-0.35	0.00	-5.50	0.00	5.50	1647.35	409.41	998.66	995.89	2.55	-0.16	0.011
158.00	-8.19	-0.35	0.00	-4.80	0.00	4.80	1629.04	402.85	966.93	968.91	2.62	-0.16	0.010
160.00	-7.99	-0.35	0.00	-4.10	0.00	4.10	1610.46	396.29	935.71	942.14	2.69	-0.17	0.009
162.00	-7.78	-0.35	0.00	-3.41	0.00	3.41	1591.62	389.74	905.01	915.58	2.76	-0.17	0.009
164.00	-7.58	-0.34	0.00	-2.72	0.00	2.72	1572.52	383.18	874.81	889.24	2.83	-0.17	0.008
165.00	-5.22	-0.23	0.00	-2.37	0.00	2.37	1562.88	379.90	859.91	876.15	2.87	-0.17	0.006
166.00	-5.14	-0.23	0.00	-2.14	0.00	2.14	1553.16	376.62	845.13	863.13	2.90	-0.17	0.006
168.00	-4.97	-0.23	0.00	-1.68	0.00	1.68	1533.53	370.07	815.96	837.25	2.97	-0.17	0.005
170.00	-4.81	-0.23	0.00	-1.23	0.00	1.23	1513.65	363.51	787.30	811.61	3.04	-0.17	0.005
172.00	-4.65	-0.23	0.00	-0.77	0.00	0.77	1493.49	356.96	759.16	786.22	3.11	-0.17	0.004
174.00	-4.49	-0.23	0.00	-0.32	0.00	0.32	1473.08	350.40	731.53	761.10	3.18	-0.17	0.003
175.00	-1.39	-0.01	0.00	-0.09	0.00	0.09	1462.77	347.12	717.90	748.63	3.22	-0.17	0.001
176.00	-1.33	-0.01	0.00	-0.08	0.00	0.08	1452.40	343.84	704.41	736.23	3.26	-0.17	0.001
178.00	-1.20	-0.01	0.00	-0.07	0.00	0.07	1427.84	337.29	677.80	709.84	3.33	-0.17	0.001
180.00	-1.07	-0.01	0.00	-0.05	0.00	0.05	1400.09	330.73	651.70	682.38	3.40	-0.17	0.001
180.00	-1.07	-0.01	0.00	-0.05	0.00	0.05	1571.64	371.25	730.60	763.99	3.40	-0.17	0.001
182.00	-0.93	-0.01	0.00	-0.04	0.00	0.04	1571.64	371.25	730.60	763.99	3.47	-0.17	0.001
184.00	-0.78	0.00	0.00	-0.03	0.00	0.03	1571.64	371.25	730.60	763.99	3.54	-0.17	0.001

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

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: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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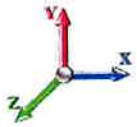
Load Case: 1.0D + 1.0W 60 mph Wind
Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 30

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	6.430	7.07	296.68	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		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
4.00		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
6.00		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
8.00		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
10.00		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
12.00		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
14.00		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
16.00		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
18.00		1.00	0.88	6.672	7.34	282.37	0.730	0.000	2.00	10.239	7.47	54.9	0.0	487.0
20.00		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
22.00		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
24.00		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
26.00		1.00	0.95	7.209	7.93	284.34	0.730	0.000	2.00	9.920	7.24	57.4	0.0	471.7
28.00		1.00	0.97	7.323	8.06	284.26	0.730	0.000	2.00	9.840	7.18	57.9	0.0	467.9
30.00		1.00	0.98	7.430	8.17	284.00	0.730	0.000	2.00	9.760	7.13	58.2	0.0	464.1
32.00		1.00	1.00	7.532	8.28	283.60	0.730	0.000	2.00	9.681	7.07	58.5	0.0	460.3
34.00		1.00	1.01	7.628	8.39	283.05	0.730	0.000	2.00	9.601	7.01	58.8	0.0	456.5
36.00		1.00	1.02	7.721	8.49	282.39	0.730	0.000	2.00	9.521	6.95	59.0	0.0	452.7
38.00		1.00	1.03	7.809	8.59	281.61	0.730	0.000	2.00	9.442	6.89	59.2	0.0	448.9
40.00		1.00	1.04	7.894	8.68	280.74	0.730	0.000	2.00	9.362	6.83	59.3	0.0	445.0
41.00	Bot - Section 2	1.00	1.05	7.935	8.73	280.27	0.730	0.000	1.00	4.651	3.40	29.6	0.0	221.1
42.00		1.00	1.05	7.975	8.77	279.77	0.730	0.000	1.00	4.695	3.43	30.1	0.0	443.3
44.00		1.00	1.06	8.054	8.86	278.72	0.730	0.000	2.00	9.330	6.81	60.3	0.0	880.9
46.00		1.00	1.07	8.130	8.94	277.59	0.730	0.000	2.00	9.250	6.75	60.4	0.0	873.3
48.00	Top - Section 1	1.00	1.08	8.203	9.02	276.39	0.730	0.000	2.00	9.170	6.69	60.4	0.0	865.7
50.00		1.00	1.09	8.273	9.10	279.04	0.730	0.000	2.00	9.091	6.64	60.4	0.0	432.1
52.00		1.00	1.10	8.342	9.18	277.73	0.730	0.000	2.00	9.011	6.58	60.4	0.0	428.2
54.00		1.00	1.11	8.409	9.25	276.36	0.730	0.000	2.00	8.931	6.52	60.3	0.0	424.4
56.00		1.00	1.12	8.473	9.32	274.93	0.730	0.000	2.00	8.851	6.46	60.2	0.0	420.6
58.00		1.00	1.13	8.536	9.39	273.45	0.730	0.000	2.00	8.772	6.40	60.1	0.0	416.8
60.00		1.00	1.14	8.597	9.46	271.93	0.730	0.000	2.00	8.692	6.35	60.0	0.0	413.0
62.00		1.00	1.14	8.657	9.52	270.35	0.730	0.000	2.00	8.612	6.29	59.9	0.0	409.2
64.00		1.00	1.15	8.715	9.59	268.74	0.730	0.000	2.00	8.533	6.23	59.7	0.0	405.4
66.00		1.00	1.16	8.771	9.65	267.08	0.730	0.000	2.00	8.453	6.17	59.5	0.0	401.5
68.00		1.00	1.17	8.827	9.71	265.38	0.730	0.000	2.00	8.373	6.11	59.3	0.0	397.7
70.00		1.00	1.17	8.881	9.77	263.65	0.730	0.000	2.00	8.294	6.05	59.1	0.0	393.9
72.00		1.00	1.18	8.934	9.83	261.88	0.730	0.000	2.00	8.214	6.00	58.9	0.0	390.1
74.00		1.00	1.19	8.985	9.88	260.07	0.730	0.000	2.00	8.134	5.94	58.7	0.0	386.3
76.00		1.00	1.19	9.036	9.94	258.24	0.730	0.000	2.00	8.055	5.88	58.4	0.0	382.5
78.00		1.00	1.20	9.085	9.99	256.37	0.730	0.000	2.00	7.975	5.82	58.2	0.0	378.7
80.00		1.00	1.21	9.134	10.05	254.47	0.730	0.000	2.00	7.895	5.76	57.9	0.0	374.8
81.00	Top - Section 2	1.00	1.21	9.158	10.07	253.51	0.730	0.000	1.00	3.918	2.86	28.8	0.0	186.0
82.00		1.00	1.21	9.182	10.10	252.55	0.730	0.000	1.00	3.898	2.85	28.7	0.0	154.4
84.00		1.00	1.22	9.228	10.15	250.59	0.730	0.000	2.00	7.736	5.65	57.3	0.0	306.4
85.00	Bot - Section 4	1.00	1.22	9.251	10.18	249.61	0.730	0.000	1.00	3.838	2.80	28.5	0.0	152.0
86.00		1.00	1.23	9.274	10.20	248.61	0.730	0.000	1.00	3.871	2.83	28.8	0.0	304.6

Wind Loading - Shaft

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 60

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88.00	1.00	1.23	9.319	10.25	246.61	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	0.730	0.000	2.00	7.603	5.55	57.2	0.0	598.0
91.00 Top - Section 3	1.00	1.24	9.385	10.32	243.56	0.730	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	0.730	0.000	1.00	3.752	2.74	28.3	0.0	148.6
94.00	1.00	1.25	9.449	10.39	243.94	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	0.730	0.000	2.00	7.364	5.38	56.1	0.0	291.6
98.00	1.00	1.26	9.533	10.49	239.74	0.730	0.000	2.00	7.284	5.32	55.8	0.0	288.4
100.00	1.00	1.27	9.573	10.53	237.60	0.730	0.000	2.00	7.204	5.26	55.4	0.0	285.2
102.00	1.00	1.27	9.613	10.57	235.45	0.730	0.000	2.00	7.125	5.20	55.0	0.0	282.1
104.00	1.00	1.28	9.653	10.62	233.28	0.730	0.000	2.00	7.045	5.14	54.6	0.0	278.9
106.00	1.00	1.28	9.691	10.66	231.09	0.730	0.000	2.00	6.965	5.08	54.2	0.0	275.7
108.00	1.00	1.29	9.730	10.70	228.88	0.730	0.000	2.00	6.886	5.03	53.8	0.0	272.5
110.00	1.00	1.29	9.767	10.74	226.65	0.730	0.000	2.00	6.806	4.97	53.4	0.0	269.3
112.00	1.00	1.30	9.804	10.78	224.41	0.730	0.000	2.00	6.726	4.91	53.0	0.0	266.2
114.00	1.00	1.30	9.841	10.83	222.15	0.730	0.000	2.00	6.646	4.85	52.5	0.0	263.0
116.00	1.00	1.31	9.877	10.86	219.87	0.730	0.000	2.00	6.567	4.79	52.1	0.0	259.8
118.00	1.00	1.31	9.913	10.90	217.58	0.730	0.000	2.00	6.487	4.74	51.6	0.0	256.6
120.00	1.00	1.32	9.948	10.94	215.27	0.730	0.000	2.00	6.407	4.68	51.2	0.0	253.4
122.00	1.00	1.32	9.983	10.98	212.95	0.730	0.000	2.00	6.328	4.62	50.7	0.0	250.3
124.00	1.00	1.32	10.017	11.02	210.61	0.730	0.000	2.00	6.248	4.56	50.3	0.0	247.1
126.00	1.00	1.33	10.051	11.06	208.25	0.730	0.000	2.00	6.168	4.50	49.8	0.0	243.9
128.00	1.00	1.33	10.084	11.09	205.89	0.730	0.000	2.00	6.089	4.44	49.3	0.0	240.7
130.00 Bot - Section 5	1.00	1.34	10.117	11.13	203.51	0.730	0.000	2.00	6.009	4.39	48.8	0.0	237.6
132.00	1.00	1.34	10.150	11.16	201.11	0.730	0.000	2.00	6.014	4.39	49.0	0.0	424.9
134.00	1.00	1.35	10.182	11.20	198.71	0.730	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	0.730	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	0.730	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	0.730	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	0.730	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	188.17	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	0.730	0.000	1.00	2.140	1.56	18.5	0.0	67.6
176.00	1.00	1.43	10.783	11.86	148.57	0.730	0.000	1.00	2.120	1.55	18.4	0.0	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	0.0	132.1
180.00 Top - Section 5	1.00	1.43	10.834	11.92	143.30	0.730	0.000	2.00	4.102	2.99	35.7	0.0	129.5
182.00	1.00	1.44	10.860	11.95	143.47	0.730	0.000	2.00	4.062	2.97	35.4	0.0	144.0
184.00	1.00	1.44	10.885	11.97	143.63	0.730	0.000	2.00	4.062	2.97	35.5	0.0	144.0
186.00	1.00	1.44	10.909	12.00	143.80	0.730	0.000	2.00	4.062	2.97	35.6	0.0	144.0
188.00	1.00	1.45	10.934	12.03	143.96	0.730	0.000	2.00	4.062	2.97	35.7	0.0	144.0

Wind Loading - Shaft

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 61	

190.00	1.00	1.45	10.958	12.05	144.12	0.730	0.000	2.00	4.062	2.97	35.7	0.0	144.0
192.00	1.00	1.45	10.983	12.08	144.28	0.730	0.000	2.00	4.062	2.97	35.8	0.0	144.0
194.00	1.00	1.46	11.007	12.11	144.44	0.730	0.000	2.00	4.062	2.97	35.9	0.0	144.0
195.00	1.00	1.46	11.019	12.12	144.51	0.730	0.000	1.00	2.031	1.48	18.0	0.0	72.0
							Totals:	**195.00**			**5,001.9**		**32,833.6**

Discrete Appurtenance Forces

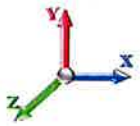
Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
Site Name:	Morris	**Exposure:**	C		
Height:	195.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 62	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 30

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	10.770	11.847	0.52	0.75	7.39	238.20	0.000	0.000	87.51	0.00	0.00
2	175.00	Low Profile Platform	1	10.770	11.847	1.00	1.00	22.00	1500.00	0.000	0.000	260.64	0.00	0.00
3	175.00	Commscope	3	10.770	11.847	1.00	1.00	0.00	76.05	0.000	0.000	0.00	0.00	0.00
4	175.00	HRK14	1	10.770	11.847	1.00	1.00	8.13	504.00	0.000	0.000	96.32	0.00	0.00
5	175.00	NHH-85B-R2B	6	10.770	11.847	0.64	0.75	31.25	262.20	0.000	0.000	370.23	0.00	0.00
6	175.00	BSF0020F3V1-1	2	10.770	11.847	1.00	1.00	1.52	36.00	0.000	0.000	18.01	0.00	0.00
7	175.00	B5/B13 RRH-BR04C	3	10.770	11.847	0.50	0.75	2.82	210.90	0.000	0.000	33.40	0.00	0.00
8	175.00	B2/B66A RRH-BR049	3	10.770	11.847	0.50	0.75	2.82	253.20	0.000	0.000	33.40	0.00	0.00
9	175.00	DB-C1-12C-24AB-0Z	1	10.770	11.847	1.00	1.00	4.06	32.00	0.000	0.000	48.10	0.00	0.00
10	175.00	TD-850B-LTE78-43	3	10.770	11.847	0.50	0.75	3.24	99.00	0.000	0.000	38.40	0.00	0.00
11	165.00	AM-X-CD-16-65-00T-RET	1	10.638	11.702	0.72	0.80	5.77	48.50	0.000	0.000	67.57	0.00	0.00
12	165.00	LGP2140X TMA	12	10.638	11.702	0.40	0.80	6.24	228.00	0.000	0.000	73.02	0.00	0.00
13	165.00	RRUS-11	6	10.638	11.702	0.40	0.80	6.05	306.00	0.000	0.000	70.77	0.00	0.00
14	165.00	800 10764	2	10.638	11.702	0.72	0.80	8.47	81.60	0.000	0.000	99.08	0.00	0.00
15	165.00	ABT-DF-DMADBH	1	10.638	11.702	1.00	1.00	0.05	1.10	0.000	0.000	0.59	0.00	0.00
16	165.00	DC6-48-60-18-8F	1	10.638	11.702	1.00	1.00	0.92	31.80	0.000	0.000	10.77	0.00	0.00
17	165.00	Low Profile Platform	1	10.638	11.702	1.00	1.00	22.00	1500.00	0.000	0.000	257.43	0.00	0.00
18	165.00	7770.00	6	10.638	11.702	0.58	0.80	19.27	210.00	0.000	0.000	225.51	0.00	0.00
19	155.00	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	155.00	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
21	155.00	S20057A1	3	10.499	11.549	0.55	0.75	1.35	33.00	0.000	0.000	15.55	0.00	0.00
22	155.00	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
23	155.00	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	155.00	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	155.00	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	155.00	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	155.00	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	155.00	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	RFS	3	10.499	11.549	0.52	0.75	31.88	384.00	0.000	0.000	368.14	0.00	0.00
30	145.00	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	145.00	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	145.00	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	145.00	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**			**3,649.84**		

Total Applied Force Summary

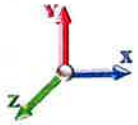
Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
Site Name:	Morris	**Exposure:**	C		
Height:	195.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 63	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 30

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		56.15	615.66	0.00	0.00
4.00		55.74	611.85	0.00	0.00
6.00		55.33	608.03	0.00	0.00
8.00		54.92	604.22	0.00	0.00
10.00		54.51	600.41	0.00	0.00
12.00		54.09	596.59	0.00	0.00
14.00		53.68	592.78	0.00	0.00
16.00		53.93	588.96	0.00	0.00
18.00		54.86	585.15	0.00	0.00
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

Total Applied Force Summary

Structure:	CT01501-S-SBA		**Code:**	TIA-222-H	7/13/2023
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	Page: 64

Tower Engineering Solutions

88.00		57.49	702.53	0.00	0.00
90.00		57.16	696.18	0.00	0.00
91.00		28.42	345.71	0.00	0.00
92.00		28.34	197.65	0.00	0.00
94.00		56.48	392.92	0.00	0.00
96.00		56.12	389.74	0.00	0.00
98.00		55.76	386.56	0.00	0.00
100.00		55.38	383.38	0.00	0.00
102.00		55.00	380.21	0.00	0.00
104.00		54.61	377.03	0.00	0.00
106.00		54.21	373.85	0.00	0.00
108.00		53.80	370.67	0.00	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	357.96	0.00	0.00
118.00		51.64	354.78	0.00	0.00
120.00		51.18	351.60	0.00	0.00
122.00		50.72	348.42	0.00	0.00
124.00		50.26	345.25	0.00	0.00
126.00		49.78	342.07	0.00	0.00
128.00		49.30	338.89	0.00	0.00
130.00		48.82	335.71	0.00	0.00
132.00		49.01	523.08	0.00	0.00
134.00		48.52	517.36	0.00	0.00
135.00		24.05	256.53	0.00	0.00
136.00		23.93	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	2494.87	0.00	0.00
146.00		22.63	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		21.26	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		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	3295.53	0.00	0.00
176.00		18.36	70.80	0.00	0.00
178.00		36.29	139.70	0.00	0.00
180.00		35.68	137.15	0.00	0.00
182.00		35.42	151.60	0.00	0.00
184.00		35.50	151.60	0.00	0.00
186.00		35.58	151.60	0.00	0.00
188.00		35.66	151.60	0.00	0.00

Total Applied Force Summary

Structure:	CT01501-S-SBA		**Code:**	TIA-222-H	7/13/2023
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	Page: 65

Tower Engineering Solutions

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)

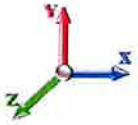
Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
Site Name:	Morris	**Exposure:**	C		
Height:	195.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 66	

TES Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



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
26.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	7.209	0.00	3.98
28.00	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
38.00	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
41.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.031	0.000	7.935	0.00	1.99
42.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.031	0.000	7.975	0.00	1.99
44.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	8.054	0.00	3.98
46.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	8.130	0.00	3.98
48.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	8.203	0.00	3.98
50.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	8.273	0.00	3.98
52.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	8.342	0.00	3.98
54.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	8.409	0.00	3.98
56.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	8.473	0.00	3.98
58.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	8.536	0.00	3.98
60.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	8.597	0.00	3.98
62.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	8.657	0.00	3.98
64.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	8.715	0.00	3.98
66.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	8.771	0.00	3.98
68.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	8.827	0.00	3.98
70.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	8.881	0.00	3.98
72.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	8.934	0.00	3.98
74.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	8.985	0.00	3.98
76.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	9.036	0.00	3.98
78.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	9.085	0.00	3.98
80.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	9.134	0.00	3.98
81.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.037	0.000	9.158	0.00	1.99
82.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.037	0.000	9.182	0.00	1.99
84.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	9.228	0.00	3.98
85.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.038	0.000	9.251	0.00	1.99
86.00	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	**Code:**	TIA-222-H	7/13/2023	
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	Page: 67	

TES Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

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)
90.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	9.363	0.00	3.98
91.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.039	0.000	9.385	0.00	1.99
92.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.039	0.000	9.407	0.00	1.99
94.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	9.449	0.00	3.98
96.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	9.491	0.00	3.98
98.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	9.533	0.00	3.98
100.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	9.573	0.00	3.98
102.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	9.613	0.00	3.98
104.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	9.653	0.00	3.98
106.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.042	0.000	9.691	0.00	3.98
108.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.042	0.000	9.730	0.00	3.98
110.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	9.767	0.00	3.98
112.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	9.804	0.00	3.98
114.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	9.841	0.00	3.98
116.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	9.877	0.00	3.98
118.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.045	0.000	9.913	0.00	3.98
120.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	9.948	0.00	3.98
122.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	9.983	0.00	3.98
124.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	10.017	0.00	3.98
126.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	10.051	0.00	3.98
128.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.048	0.000	10.084	0.00	3.98
130.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	10.117	0.00	3.98
132.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	10.150	0.00	3.98
134.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.050	0.000	10.182	0.00	3.98
135.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.050	0.000	10.198	0.00	1.99
136.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.050	0.000	10.214	0.00	1.99
138.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.051	0.000	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	10.337	0.00	3.98
145.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.053	0.000	10.352	0.00	1.99
										Totals:	**0.0**	**288.7**

Calculated Forces

Structure:	CT01501-S-SBA	**Code:**	TIA-222-H	7/13/2023	
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	Page: 68	

TES Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 30

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-52.61	-8.66	0.00	-1087.8	0.00	1087.85	4628.91	1339.45	7126.38	6119.66	0.00	0.000	0.000	0.189
2.00	-52.00	-8.62	0.00	-1070.5	0.00	1070.53	4612.68	1329.62	7022.11	6053.16	0.00	-0.015	0.000	0.188
4.00	-51.38	-8.57	0.00	-1053.3	0.00	1053.30	4596.18	1319.78	6918.62	5986.64	0.01	-0.031	0.000	0.187
6.00	-50.77	-8.53	0.00	-1036.1	0.00	1036.15	4579.43	1309.95	6815.89	5920.10	0.03	-0.047	0.000	0.186
8.00	-50.17	-8.49	0.00	-1019.0	0.00	1019.09	4562.40	1300.11	6713.93	5853.55	0.05	-0.063	0.000	0.185
10.00	-49.56	-8.45	0.00	-1002.1	0.00	1002.11	4545.12	1290.28	6612.74	5787.00	0.08	-0.078	0.000	0.184
12.00	-48.96	-8.41	0.00	-985.21	0.00	985.21	4527.57	1280.44	6512.31	5720.46	0.12	-0.094	0.000	0.183
14.00	-48.37	-8.37	0.00	-968.40	0.00	968.40	4509.77	1270.61	6412.66	5653.92	0.16	-0.110	0.000	0.182
16.00	-47.78	-8.32	0.00	-951.67	0.00	951.67	4491.69	1260.77	6313.77	5587.41	0.21	-0.127	0.000	0.181
18.00	-47.19	-8.28	0.00	-935.02	0.00	935.02	4473.36	1250.94	6215.65	5520.93	0.27	-0.143	0.000	0.180
20.00	-46.61	-8.24	0.00	-918.46	0.00	918.46	4454.76	1241.10	6118.30	5454.49	0.33	-0.159	0.000	0.179
22.00	-46.03	-8.19	0.00	-901.98	0.00	901.98	4435.90	1231.27	6021.72	5388.08	0.40	-0.175	0.000	0.178
24.00	-45.45	-8.15	0.00	-885.60	0.00	885.60	4416.78	1221.43	5925.90	5321.73	0.48	-0.192	0.000	0.177
26.00	-44.88	-8.10	0.00	-869.30	0.00	869.30	4397.40	1211.60	5830.86	5255.44	0.56	-0.209	0.000	0.176
28.00	-44.31	-8.05	0.00	-853.10	0.00	853.10	4377.75	1201.76	5736.58	5189.22	0.65	-0.225	0.000	0.175
30.00	-43.75	-8.01	0.00	-836.99	0.00	836.99	4357.84	1191.93	5643.07	5123.07	0.75	-0.242	0.000	0.173
32.00	-43.19	-7.96	0.00	-820.98	0.00	820.98	4337.67	1182.09	5550.33	5057.01	0.86	-0.259	0.000	0.172
34.00	-42.63	-7.91	0.00	-805.06	0.00	805.06	4317.23	1172.26	5458.36	4991.03	0.97	-0.276	0.000	0.171
36.00	-42.08	-7.86	0.00	-789.25	0.00	789.25	4296.53	1162.42	5367.16	4925.16	1.09	-0.293	0.000	0.170
38.00	-41.53	-7.81	0.00	-773.53	0.00	773.53	4275.57	1152.59	5276.73	4859.38	1.22	-0.310	0.000	0.169
40.00	-40.98	-7.76	0.00	-757.91	0.00	757.91	4254.35	1142.76	5187.06	4793.73	1.35	-0.327	0.000	0.168
41.00	-40.71	-7.73	0.00	-750.15	0.00	750.15	4243.64	1137.84	5142.51	4760.94	1.42	-0.336	0.000	0.167
42.00	-40.22	-7.71	0.00	-742.42	0.00	742.42	4232.86	1132.92	5098.16	4728.19	1.49	-0.345	0.000	0.167
44.00	-39.24	-7.65	0.00	-727.00	0.00	727.00	4211.11	1123.09	5010.03	4662.78	1.64	-0.362	0.000	0.165
46.00	-38.26	-7.60	0.00	-711.69	0.00	711.69	4189.10	1113.25	4922.67	4597.51	1.79	-0.380	0.000	0.164
48.00	-37.30	-7.54	0.00	-696.49	0.00	696.49	4202.19	1119.08	4974.38	4636.19	1.96	-0.397	0.000	0.159
50.00	-36.77	-7.49	0.00	-681.41	0.00	681.41	4180.07	1109.25	4887.33	4570.98	2.13	-0.415	0.000	0.158
52.00	-36.24	-7.44	0.00	-666.43	0.00	666.43	4157.69	1099.41	4801.05	4505.91	2.31	-0.432	0.000	0.157
54.00	-35.71	-7.38	0.00	-651.55	0.00	651.55	4135.04	1089.58	4715.54	4441.00	2.49	-0.449	0.000	0.155
56.00	-35.19	-7.33	0.00	-636.79	0.00	636.79	4112.14	1079.74	4630.79	4376.25	2.68	-0.466	0.000	0.154
58.00	-34.68	-7.28	0.00	-622.13	0.00	622.13	4088.97	1069.91	4546.82	4311.67	2.88	-0.484	0.000	0.153
60.00	-34.16	-7.22	0.00	-607.57	0.00	607.57	4065.54	1060.07	4463.61	4247.27	3.09	-0.501	0.000	0.152
62.00	-33.65	-7.17	0.00	-593.13	0.00	593.13	4041.84	1050.24	4381.17	4183.06	3.30	-0.518	0.000	0.150
64.00	-33.15	-7.11	0.00	-578.80	0.00	578.80	4017.89	1040.40	4299.50	4119.03	3.52	-0.536	0.000	0.149
66.00	-32.65	-7.06	0.00	-564.57	0.00	564.57	3993.67	1030.57	4218.60	4055.21	3.75	-0.553	0.000	0.147
68.00	-32.15	-7.00	0.00	-550.45	0.00	550.45	3969.18	1020.73	4138.47	3991.60	3.99	-0.571	0.000	0.146
70.00	-31.66	-6.95	0.00	-536.44	0.00	536.44	3944.44	1010.90	4059.10	3928.21	4.23	-0.588	0.000	0.145
72.00	-31.17	-6.90	0.00	-522.54	0.00	522.54	3919.43	1001.06	3980.51	3865.04	4.48	-0.606	0.000	0.143
74.00	-30.68	-6.84	0.00	-508.75	0.00	508.75	3894.16	991.23	3902.68	3802.10	4.74	-0.624	0.000	0.142
76.00	-30.20	-6.79	0.00	-495.07	0.00	495.07	3868.63	981.39	3825.62	3739.40	5.00	-0.642	0.000	0.140
78.00	-29.72	-6.73	0.00	-481.49	0.00	481.49	3842.83	971.56	3749.33	3676.95	5.28	-0.659	0.000	0.139
80.00	-29.25	-6.68	0.00	-468.03	0.00	468.03	3816.78	961.72	3673.81	3614.75	5.56	-0.677	0.000	0.137
81.00	-29.01	-6.65	0.00	-461.35	0.00	461.35	3803.65	956.81	3636.33	3583.75	5.70	-0.686	0.000	0.136
81.00	-29.01	-6.65	0.00	-461.35	0.00	461.35	2964.89	798.43	3038.55	2801.11	5.70	-0.686	0.000	0.175
82.00	-28.81	-6.63	0.00	-454.70	0.00	454.70	2956.04	794.33	3007.44	2778.31	5.84	-0.695	0.000	0.173
84.00	-28.40	-6.57	0.00	-441.45	0.00	441.45	2938.13	786.13	2945.70	2732.80	6.14	-0.717	0.000	0.171
85.00	-28.20	-6.55	0.00	-434.88	0.00	434.88	2929.08	782.04	2915.07	2710.08	6.29	-0.728	0.000	0.170
86.00	-27.84	-6.52	0.00	-428.33	0.00	428.33	2919.97	777.94	2884.60	2687.40	6.44	-0.738	0.000	0.169

Calculated 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: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

7/13/2023

TES Tower Engineering Solutions

88.00	-27.14	-6.46	0.00	-415.29	0.00	415.29	2901.54	769.74	2824.14	2642.11	6.76	-0.760	0.000	0.167
90.00	-26.44	-6.40	0.00	-402.37	0.00	402.37	2882.85	761.55	2764.32	2596.94	7.08	-0.781	0.000	0.164
91.00	-26.10	-6.38	0.00	-395.96	0.00	395.96	2898.33	768.33	2813.78	2634.30	7.25	-0.792	0.000	0.159
92.00	-25.90	-6.35	0.00	-389.58	0.00	389.58	2889.00	764.23	2783.84	2611.72	7.41	-0.803	0.000	0.158
94.00	-25.50	-6.30	0.00	-376.88	0.00	376.88	2870.13	756.03	2724.45	2566.64	7.75	-0.823	0.000	0.156
96.00	-25.11	-6.25	0.00	-364.28	0.00	364.28	2851.00	747.84	2665.70	2521.69	8.10	-0.844	0.000	0.153
98.00	-24.72	-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
100.00	-24.34	-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
102.00	-23.96	-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
104.00	-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
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	0.000	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	0.000	0.135
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	0.000	0.132
114.00	-21.74	-5.78	0.00	-255.61	0.00	255.61	2667.01	674.08	2165.79	2124.61	11.63	-1.026	0.000	0.129
116.00	-21.38	-5.73	0.00	-244.05	0.00	244.05	2645.25	665.88	2113.44	2081.45	12.07	-1.045	0.000	0.125
118.00	-21.02	-5.68	0.00	-232.60	0.00	232.60	2623.23	657.69	2061.74	2038.51	12.51	-1.065	0.000	0.122
120.00	-20.67	-5.62	0.00	-221.25	0.00	221.25	2600.95	649.49	2010.67	1995.80	12.96	-1.084	0.000	0.119
122.00	-20.32	-5.57	0.00	-210.00	0.00	210.00	2578.41	641.29	1960.25	1953.33	13.42	-1.102	0.000	0.115
124.00	-19.97	-5.52	0.00	-198.85	0.00	198.85	2555.60	633.10	1910.47	1911.10	13.88	-1.121	0.000	0.112
126.00	-19.63	-5.47	0.00	-187.81	0.00	187.81	2532.53	624.90	1861.32	1869.12	14.36	-1.139	0.000	0.108
128.00	-19.29	-5.42	0.00	-176.86	0.00	176.86	2509.20	616.71	1812.82	1827.41	14.84	-1.157	0.000	0.105
130.00	-18.96	-5.37	0.00	-166.01	0.00	166.01	2485.60	608.51	1764.96	1785.96	15.33	-1.175	0.000	0.101
132.00	-18.43	-5.32	0.00	-155.27	0.00	155.27	2461.74	600.32	1717.74	1744.78	15.82	-1.192	0.000	0.097
134.00	-17.91	-5.26	0.00	-144.63	0.00	144.63	2437.62	592.12	1671.15	1703.88	16.33	-1.208	0.000	0.092
135.00	-17.66	-5.24	0.00	-139.37	0.00	139.37	1823.78	478.25	1362.76	1289.51	16.58	-1.217	0.000	0.118
136.00	-17.52	-5.21	0.00	-134.13	0.00	134.13	1816.04	474.97	1344.14	1275.17	16.84	-1.225	0.000	0.115
138.00	-17.23	-5.17	0.00	-123.70	0.00	123.70	1800.35	468.42	1307.29	1246.57	17.35	-1.243	0.000	0.109
140.00	-16.95	-5.12	0.00	-113.37	0.00	113.37	1784.40	461.86	1270.94	1218.11	17.88	-1.261	0.000	0.103
142.00	-16.68	-5.07	0.00	-103.14	0.00	103.14	1768.19	455.30	1235.12	1189.78	18.41	-1.278	0.000	0.096
144.00	-16.41	-5.02	0.00	-93.00	0.00	93.00	1751.71	448.75	1199.80	1161.59	18.95	-1.293	0.000	0.090
145.00	-13.93	-4.21	0.00	-87.98	0.00	87.98	1743.38	445.47	1182.33	1147.55	19.22	-1.301	0.000	0.085
146.00	-13.79	-4.19	0.00	-83.77	0.00	83.77	1734.98	442.19	1165.00	1133.55	19.49	-1.309	0.000	0.082
148.00	-13.53	-4.14	0.00	-75.39	0.00	75.39	1717.98	435.63	1130.70	1105.67	20.04	-1.323	0.000	0.076
150.00	-13.27	-4.09	0.00	-67.11	0.00	67.11	1700.71	429.08	1096.92	1077.96	20.60	-1.336	0.000	0.070
152.00	-13.01	-4.05	0.00	-58.92	0.00	58.92	1683.19	422.52	1063.66	1050.42	21.16	-1.348	0.000	0.064
154.00	-12.75	-4.00	0.00	-50.83	0.00	50.83	1665.40	415.96	1030.90	1023.06	21.73	-1.359	0.000	0.057
155.00	-8.99	-2.76	0.00	-46.83	0.00	46.83	1656.41	412.69	1014.72	1009.45	22.02	-1.364	0.000	0.052
156.00	-8.88	-2.74	0.00	-44.07	0.00	44.07	1647.35	409.41	998.66	995.89	22.30	-1.369	0.000	0.050
158.00	-8.66	-2.69	0.00	-38.59	0.00	38.59	1629.04	402.85	966.93	968.91	22.88	-1.379	0.000	0.045
160.00	-8.44	-2.65	0.00	-33.21	0.00	33.21	1610.46	396.29	935.71	942.14	23.46	-1.387	0.000	0.041
162.00	-8.23	-2.60	0.00	-27.91	0.00	27.91	1591.62	389.74	905.01	915.58	24.04	-1.395	0.000	0.036
164.00	-8.02	-2.56	0.00	-22.71	0.00	22.71	1572.52	383.18	874.81	889.24	24.63	-1.401	0.000	0.031
165.00	-5.53	-1.67	0.00	-20.15	0.00	20.15	1562.88	379.90	859.91	876.15	24.92	-1.404	0.000	0.027
166.00	-5.44	-1.65	0.00	-18.48	0.00	18.48	1553.16	376.62	845.13	863.13	25.21	-1.407	0.000	0.025
168.00	-5.26	-1.61	0.00	-15.18	0.00	15.18	1533.53	370.07	815.96	837.25	25.80	-1.412	0.000	0.022
170.00	-5.09	-1.56	0.00	-11.97	0.00	11.97	1513.65	363.51	787.30	811.61	26.40	-1.416	0.000	0.018
172.00	-4.91	-1.52	0.00	-8.84	0.00	8.84	1493.49	356.96	759.16	786.22	26.99	-1.419	0.000	0.015
174.00	-4.74	-1.48	0.00	-5.80	0.00	5.80	1473.08	350.40	731.53	761.10	27.59	-1.421	0.000	0.011
175.00	-1.48	-0.39	0.00	-4.32	0.00	4.32	1462.77	347.12	717.90	748.63	27.88	-1.422	0.000	0.007
176.00	-1.40	-0.37	0.00	-3.92	0.00	3.92	1452.40	343.84	704.41	736.23	28.18	-1.423	0.000	0.006
178.00	-1.27	-0.33	0.00	-3.18	0.00	3.18	1427.84	337.29	677.80	709.84	28.78	-1.424	0.000	0.005
180.00	-1.13	-0.30	0.00	-2.51	0.00	2.51	1400.09	330.73	651.70	682.38	29.38	-1.426	0.000	0.004
180.00	-1.13	-0.30	0.00	-2.51	0.00	2.51	1571.64	371.25	730.60	763.99	29.38	-1.426	0.000	0.004
182.00	-0.98	-0.26	0.00	-1.92	0.00	1.92	1571.64	371.25	730.60	763.99	29.97	-1.427	0.000	0.003
184.00	-0.83	-0.22	0.00	-1.40	0.00	1.40	1571.64	371.25	730.60	763.99	30.57	-1.427	0.000	0.002
186.00	-0.68	-0.18	0.00	-0.97	0.00	0.97	1571.64	371.25	730.60	763.99	31.17	-1.428	0.000	0.002

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	0.000	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

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.0W 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	10.6	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
1.2D + 1.0W 115 mph Wind	-63.12	-35.56	0.00	-4503.7	0.00	-4503.7	4628.91	1339.4	7126.38	6119.66	0.00	0.750
0.9D + 1.0W 115 mph Wind	-47.33	-35.55	0.00	-4439.7	0.00	-4439.7	4628.91	1339.4	7126.38	6119.66	0.00	0.736
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-82.66	-10.58	0.00	-1333.6	0.00	-1333.6	4628.91	1339.4	7126.38	6119.66	0.00	0.236
1.2D + 1.0Ev + 1.0Eh	-65.27	-0.68	0.00	-113.22	0.00	-113.22	4628.91	1339.4	7126.38	6119.66	0.00	0.033
0.9D + 1.0Ev + 1.0Eh	-27.30	-0.70	0.00	-55.57	0.00	-55.57	3803.65	956.81	3636.33	3583.75	81.00	0.029
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	6119.66	0.00	0.189

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*
	Address:	*310 Watertown Road* *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:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.966
Seismic Parameters:	S_S:	0.184 g
	S_1:	0.054 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
174.00	175.00	6	Commscope	NHH-85B-R2B	Retained
		3	Samsung	MT6407-77A	
		1	RFS	DB-C1-12C-24AB-0Z	
		3	Commscope	TD-850B-LTE78-43	
		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:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design CT, P.C. and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design CT, P.C. to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

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

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design CT, P.C. is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - 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%**

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 Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	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

Requirements:

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

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

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MDG #: 5000247368 SMART Project #: 10206262 Fuze Project ID: 17123741

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

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

Base Requirements:

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

Photo Requirements:

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

- Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.
  - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

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

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

OR

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

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

Issue:

Response:

Special Instruction Confirmation:

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

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

☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

OR

☐ The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.

Comments:

Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Structure: 5000247368-VZW - BETHLEHEM NE CT

Sector: **A**

Structure Type: Monopole

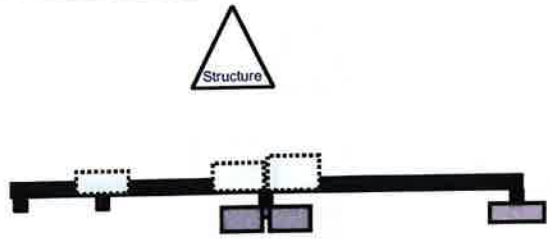
Mount Elev: 174.00

10206262

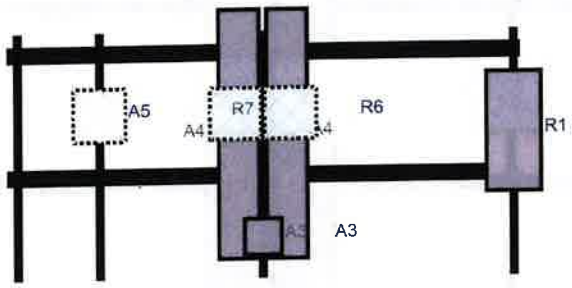
7/10/2023

Colliers Engineering & Design

Plan View



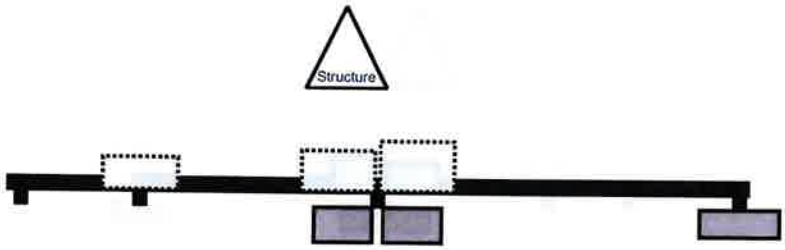
Front View - Looking at Structure



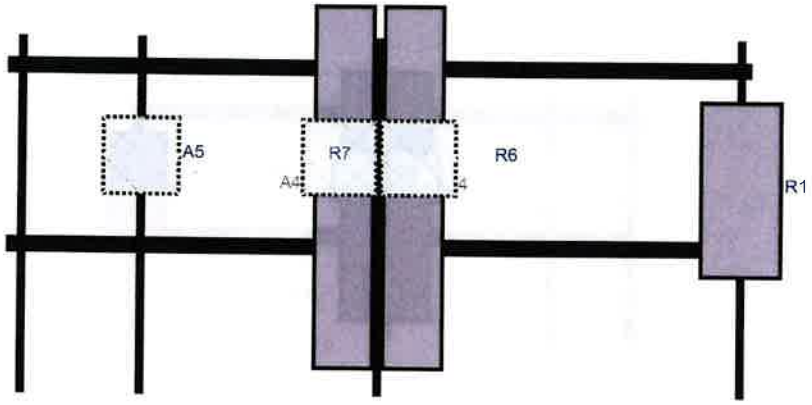
4 3 2 1

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	a	Front	30	0	Retained	06/07/2022
A4	NHH-85B-R2B	72.87	11.85	75	2	a	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
A3	BSF0020F3V1-1	10.6	10.9	75	2	a	Behind	60	0	Added	
A3	BSF0020F3V1-1	10.6	10.9	75	2	b	Front	60	0	Added	
R6	B2/B66A RRH-BR049	15	15	75	2	a	Behind	24	8	Retained	06/07/2022
R7	B5/B13 RRH-BR04C	15	15	75	2	a	Behind	24	-8	Retained	06/07/2022
A5	TD-850B-LTE78-43	15.4	15.2	27	3	a	Behind	24	0	Retained	06/07/2022
OVP	DB-C1-12C-24AB-0Z	29.5	16.5		Member					Retained	06/07/2022

Plan View



Front View - Looking at Structure

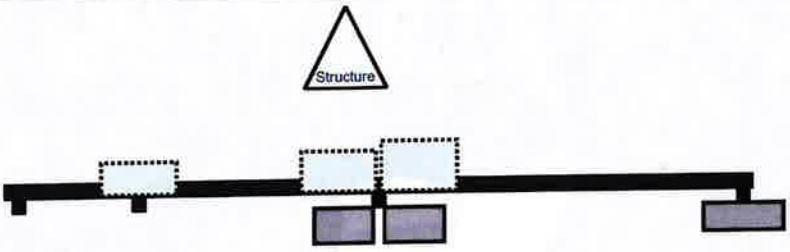


4 3 2 1

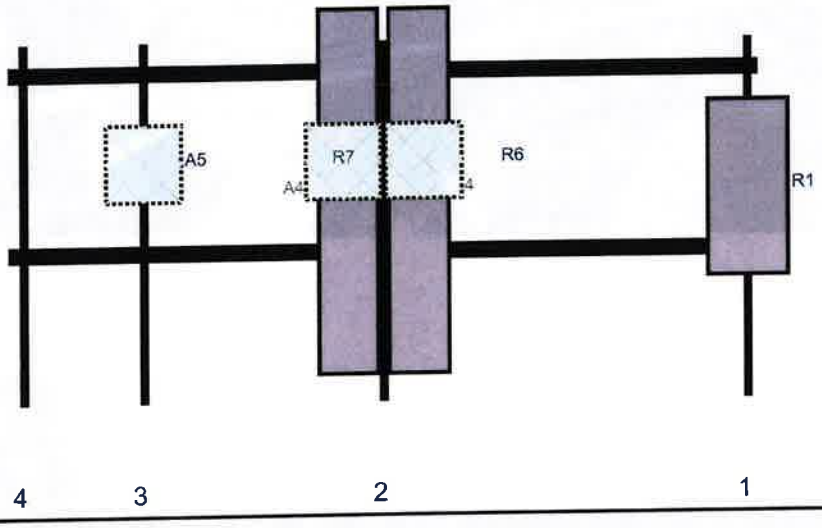
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R1	MT6407-77A	35.1	16.1	148	1	a	Front	30	0	Retained	06/07/2022
A4	NHH-85B-R2B	72.87	11.85	75	2	a	Front	30	7	Retained	06/07/2022
A4	NHH-85B-R2B	72.87	11.85	75	2	b	Front	30	-7	Retained	06/07/2022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

Colliers Engineering & Design

Plan View



Front View - Looking at Structure



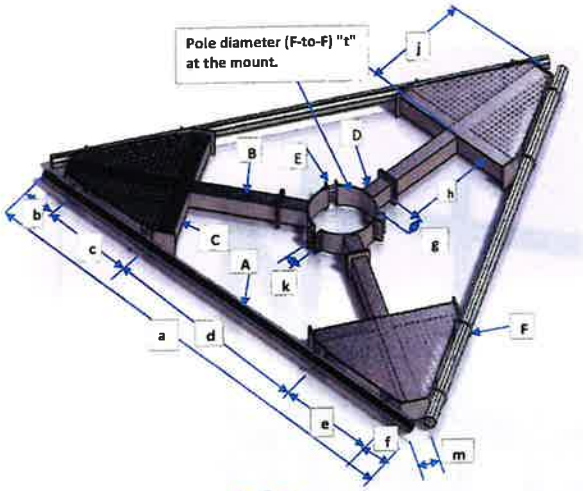
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R1	MT6407-77A	35.1	16.1	148	1	a	Front	30	0	Retained	06/07/2022
A4	NHH-85B-R2B	72.87	11.85	75	2	a	Front	30	7	Retained	06/07/2022
A4	NHH-85B-R2B	72.87	11.85	75	2	b	Front	30	-7	Retained	06/07/2022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


2022/06/07
13:22

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

FCC #: Unknown

Tower Owner:	SBA	Mapping Date:	4/14/20
Site Name:	Morris	Structure Type:	Monopole
Site Number or ID:	467590	Structure Height (Ft.):	199
Mapping Contractor:	SGS Towers	Mount Height (Ft.):	174



Geometries (Unit: inches)

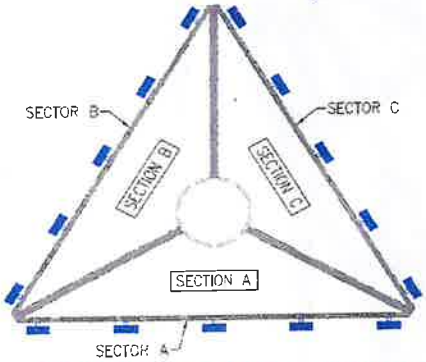
a	151	e	46	j	47	o		s	
b	9	f	9	k	4.75	p		t	4.5
c	46	g	5	m	9	q		u *	42
d	41	h	15	n		r		v *	72

Members/Bolts (Unit: inches) * - See Ant. Layout for "u", "v" and member "K" (pipe)

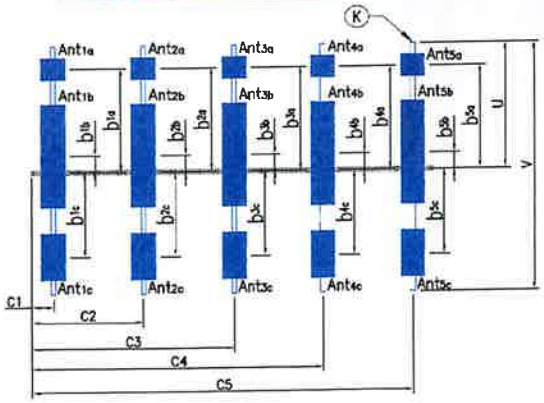
Items	Member	Lx (O.D.)	Ly (I.D.)	T	Items	Member	Lx (O.D.)	Ly (I.D.)	T
A	3.5 OD x 0.216 Pipe	3.5	3.068	0.216	F				
B	Tubing 4x4x1/4	4	4	0.25	G				
C	Tubing 4x4x1/4	4	4	0.25	H				
D					J				
E	3/4" Bolt				K* (pipe)	3.375 OD x 0.218 Pip	2.375	1.939	0.218
Distance from top of main platform member to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.)									N/A
Distance from top of main platform member to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.)									N/A

Please enter the infomation below if members can't be found from the drop down lists

"D" does not exist on this mount; "g" is the collar standoff



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



Antenna Layout

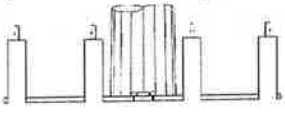
Ants. Items	Enter antenna model. If not labled, enter "Unknown". If no antenna at specified location, enter "N/A". If antennas and the locations are the same on all three sectors, only enter one sector.	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Mounting Locations (Unit: inches) Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (In.)	Horiz. offset (Use "-" if Ant. is inside)	Horiz. offset "C_1, C_2, C_3, C_4, C_5" (In.)	Photos of antennas: Photo Numbers
Sector A									
Ant_{1a}					(12) 1 5/8" FH				
Ant_{1b}	LPA 80080 6CF E-DI	5.75	13	72		11	9.5	3	
Ant_{1c}	FD9R6004/2C-3L	6.5	1	4.75		20	-1	3	
Ant_{2a}									
Ant_{2b}	BXA-171085-12CF-E	6	4.25	72.25		24	6.5	27	
Ant_{2c}									
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_{5c}									

Are Ant same as sector A? Yes — **Antennas on Sector B are the same as Sector A**

Azimuth (Degree) of Each Sector and Climbing Information

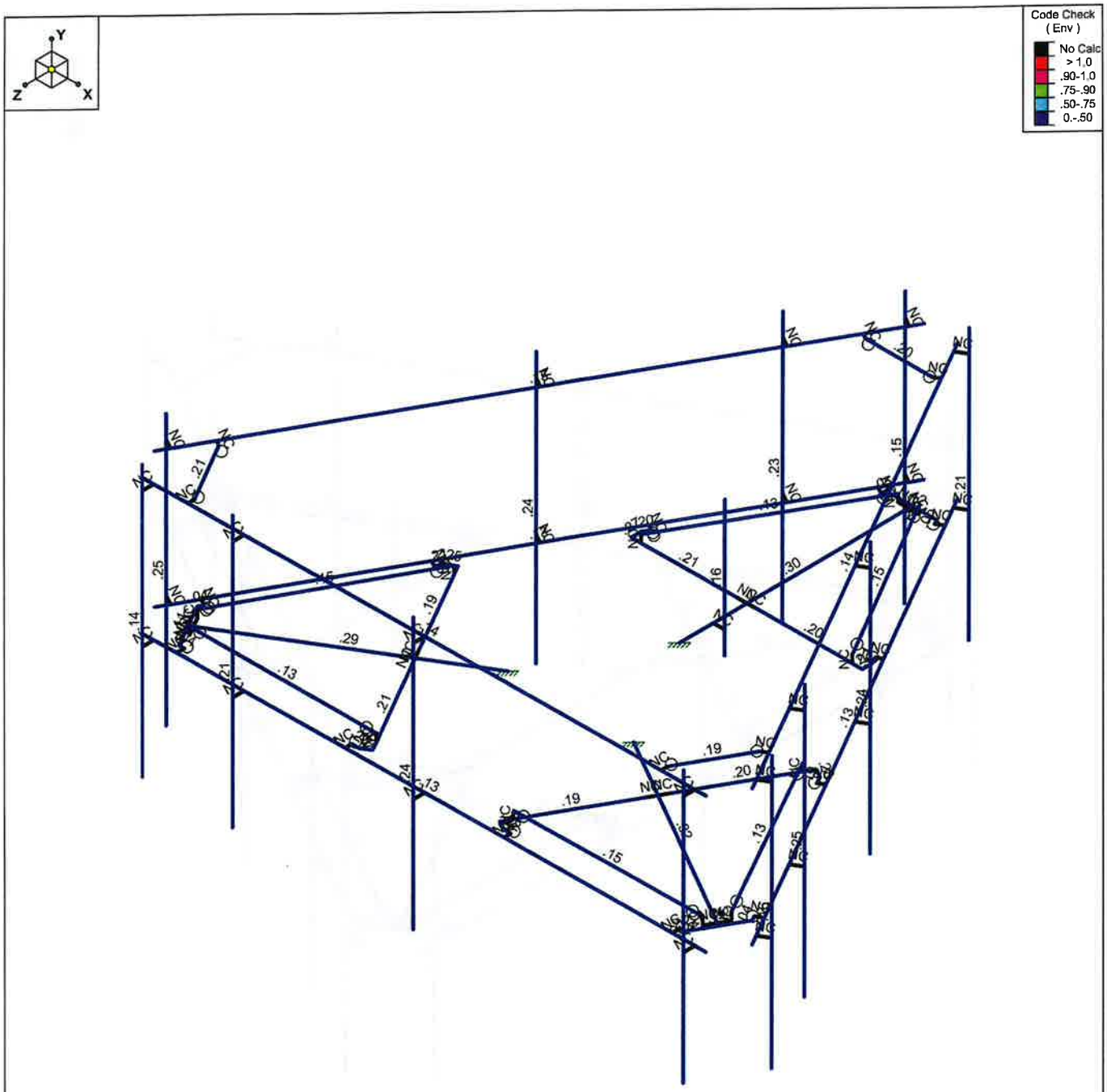
Sector A:	0	Deg	
Sector B:	120	Deg	
Sector C:	240	Deg	
Climbing	120	Deg	Located at Section C
Climbing Facility	Corrosion Type:		Good condition
	Access:		Climbing path was unobstructed.
	Condition:		N/A

Are Ant same as sector A/B? Same As A — **Antennas on Sector C are the same as Sector A**



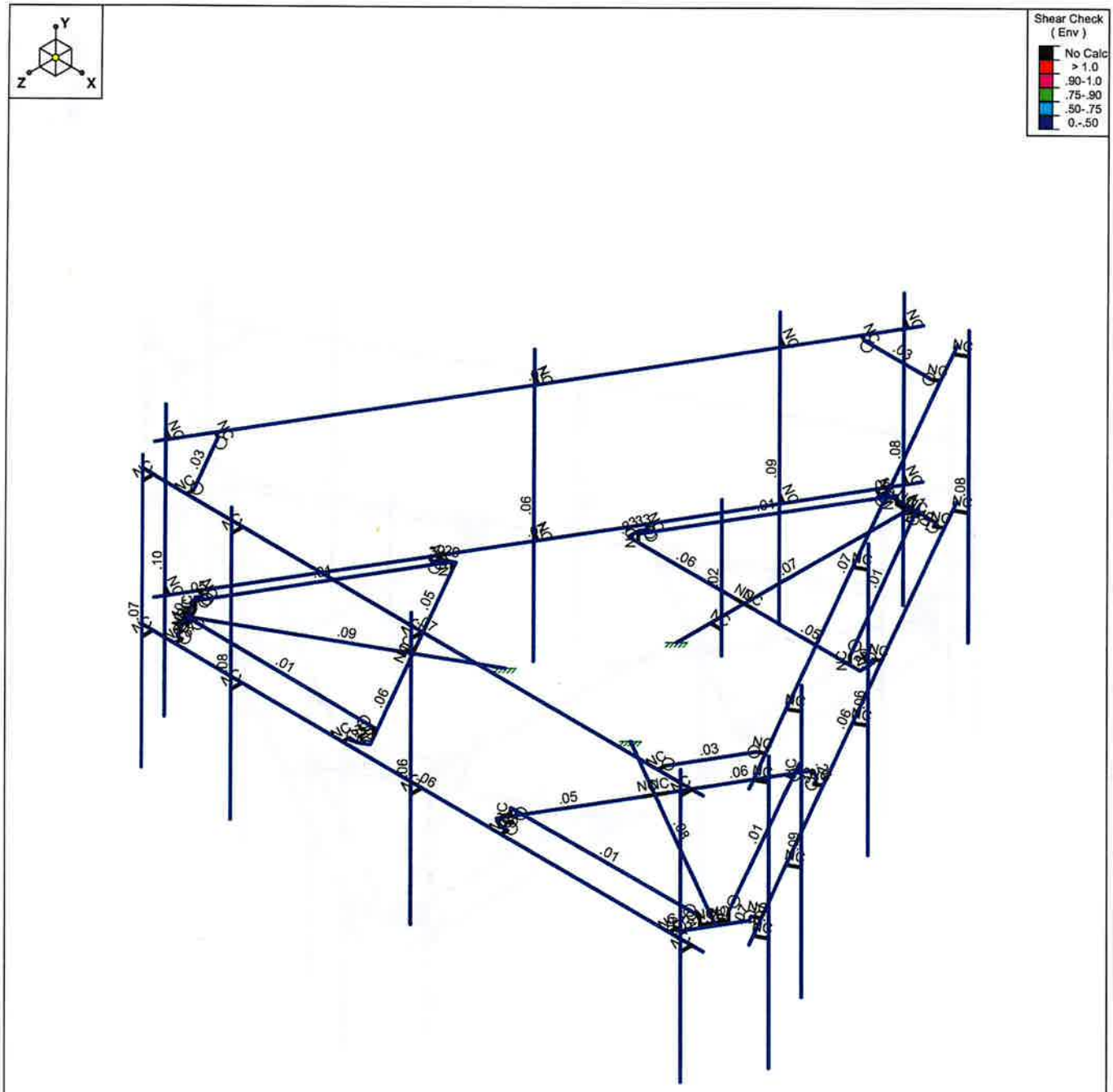
Envelope Only Solution

Colliers Engineering & De...	5000247368-VZW_MT_LO_H	SK - 1
		July 3, 2023 at 4:23 PM
		5000247368-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	5000247368-VZW_MT_LO_H	SK - 2
		July 3, 2023 at 4:23 PM
		5000247368-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	5000247368-VZW_MT_LO_H	SK - 3
		July 3, 2023 at 4:23 PM
		5000247368-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Antenna D	None					87			
2	Antenna Di	None					87			
3	Antenna Wo (0 Deg)	None					87			
4	Antenna Wo (30 Deg)	None					87			
5	Antenna Wo (60 Deg)	None					87			
6	Antenna Wo (90 Deg)	None					87			
7	Antenna Wo (120 Deg)	None					87			
8	Antenna Wo (150 Deg)	None					87			
9	Antenna Wo (180 Deg)	None					87			
10	Antenna Wo (210 Deg)	None					87			
11	Antenna Wo (240 Deg)	None					87			
12	Antenna Wo (270 Deg)	None					87			
13	Antenna Wo (300 Deg)	None					87			
14	Antenna Wo (330 Deg)	None					87			
15	Antenna Wi (0 Deg)	None					87			
16	Antenna Wi (30 Deg)	None					87			
17	Antenna Wi (60 Deg)	None					87			
18	Antenna Wi (90 Deg)	None					87			
19	Antenna Wi (120 Deg)	None					87			
20	Antenna Wi (150 Deg)	None					87			
21	Antenna Wi (180 Deg)	None					87			
22	Antenna Wi (210 Deg)	None					87			
23	Antenna Wi (240 Deg)	None					87			
24	Antenna Wi (270 Deg)	None					87			
25	Antenna Wi (300 Deg)	None					87			
26	Antenna Wi (330 Deg)	None					87			
27	Antenna Wm (0 Deg)	None					87			
28	Antenna Wm (30 Deg)	None					87			
29	Antenna Wm (60 Deg)	None					87			
30	Antenna Wm (90 Deg)	None					87			
31	Antenna Wm (120 Deg)	None					87			
32	Antenna Wm (150 Deg)	None					87			
33	Antenna Wm (180 Deg)	None					87			
34	Antenna Wm (210 Deg)	None					87			
35	Antenna Wm (240 Deg)	None					87			
36	Antenna Wm (270 Deg)	None					87			
37	Antenna Wm (300 Deg)	None					87			
38	Antenna Wm (330 Deg)	None					87			
39	Structure D	None		-1					3	
40	Structure Di	None						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 Deg)	None						116		
46	Structure Wo (150 Deg)	None						116		
47	Structure Wo (180 Deg)	None						116		
48	Structure Wo (210 Deg)	None						116		
49	Structure Wo (240 Deg)	None						116		
50	Structure Wo (270 Deg)	None						116		
51	Structure Wo (300 Deg)	None						116		
52	Structure Wo (330 Deg)	None						116		
53	Structure Wi (0 Deg)	None						116		
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		
57	Structure Wi (120 Deg)	None						116		
58	Structure Wi (150 Deg)	None						116		

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						116		
60	Structure Wi (210 Deg)	None						116		
61	Structure Wi (240 Deg)	None						116		
62	Structure Wi (270 Deg)	None						116		
63	Structure Wi (300 Deg)	None						116		
64	Structure Wi (330 Deg)	None						116		
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						116		
69	Structure Wm (120 Deg)	None						116		
70	Structure Wm (150 Deg)	None						116		
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						116		
75	Structure Wm (300 Deg)	None						116		
76	Structure Wm (330 Deg)	None						116		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
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	
87	BLC 39 Transient Area L...	None						30		
88	BLC 40 Transient Area L...	None						30		
89	BLC 84 Transient Area L...	None						30		
90	BLC 85 Transient Area L...	None						30		
91	BLC 86 Transient Area L...	None						30		

Load Combinations

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

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	4.03969	0	
2	N2	-6.25	0	4.03969	0	
3	N8	6	0	4.03969	0	
4	N9	6	0	4.28969	0	
5	N10	-6	0	4.03969	0	
6	N11	-6	0	4.28969	0	
7	N12	0.	0	4.03969	0	
8	N13	0.	0	4.28969	0	
9	N14	-4	0	4.03969	0	
10	N15	-4	0	4.28969	0	
11	N16	-4	-2.5	4.28969	0	
12	N17	-4	3.5	4.28969	0	
13	N18	-6	-2.5	4.28969	0	
14	N19	-6	3.5	4.28969	0	
15	N20	0.	-2.5	4.28969	0	
16	N21	0.	3.5	4.28969	0	
17	N22	6	-2.5	4.28969	0	
18	N23	6	3.5	4.28969	0	
19	CP	0	0	0	0	
20	N105A	-1.761595	0	4.03969	0	
21	N109	-5.499996	0	4.03969	0	
22	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	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
59	N226A	2.574714	0	-3.109427	0	
60	N227A	2.574714	0	-3.328177	0	
61	N228A	2.491381	0	-3.472514	0	
62	N229A	0.604662	0	-6.69995	0	
63	N230A	0.548672	0	-6.796927	0	
64	N235A	-2.574714	0	-3.109427	0	
65	N236A	-2.574714	0	-3.328177	0	
66	N237A	-2.491381	0	-3.472514	0	
67	N238A	-0.604662	0	-6.69995	0	
68	N239A	-0.548672	0	-6.796927	0	
69	N240A	-3.9802	0	-0.675054	0	
70	N241A	-4.169643	0	-0.565679	0	
71	N242A	-4.252976	0	-0.421342	0	
72	N243A	-6.104658	0	2.826322	0	
73	N244A	-6.160647	0	2.923299	0	
74	N237B	-0.	0	-6.796927	0	
75	N238B	-0.	0	-1.609427	0	
76	N239B	-5.886311	0	3.398463	0	
77	N240B	-1.393804	0	0.804713	0	
78	N241B	5.886311	0	3.398463	0	
79	N242B	1.393804	0	0.804713	0	
80	N243B	-0.	0	-6.713593	0	
81	N244B	0.23425	0	-6.713593	0	
82	N245A	-0.23425	0	-6.713593	0	
83	N246A	0.23425	0.166667	-6.713593	0	
84	N247A	-0.23425	0.166667	-6.713593	0	
85	N248A	-2.348152	0	-3.109427	0	
86	N249A	-2.348152	0.166667	-3.109427	0	
87	N251A	2.348152	0	-3.109427	0	
88	N252A	2.348152	0.166667	-3.109427	0	
89	N252B	-5.931267	0	3.15393	0	
90	N253A	-5.697017	0	3.559663	0	
91	N254A	-5.931267	0.166667	3.15393	0	
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	0	
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	
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	
105	N268A	-2.592985	0	1.727671	0	
106	N269A	-0.199714	0	-3.109427	0	
107	N270A	2.7927	0	1.381756	0	
108	N271A	-2.792694	0	1.381766	0	
109	N272A	0.199703	0	-3.109427	0	
110	N273A	2.592991	0	1.727661	0	
111	N274A	-2.692843	0	1.554713	0	
112	N275A	-0.	0	-3.109427	0	
113	N276A	2.692843	0	1.554713	0	
114	N114	0.498474	0	-7.215997	0	
115	N115	0.71498	0	-7.340997	0	
116	N116	3.498474	0	-2.019845	0	
117	N117	3.71498	0	-2.144845	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
118	N118	5.498474	0	1.444257	0	
119	N119	5.71498	0	1.319257	0	
120	N120	5.71498	-2.5	1.319257	0	
121	N121	5.71498	3.5	1.319257	0	
122	N122	3.71498	-2.5	-2.144845	0	
123	N123	3.71498	3.5	-2.144845	0	
124	N124	0.71498	-2.5	-7.340997	0	
125	N125	0.71498	3.5	-7.340997	0	
126	N126	-6.498474	0	3.176307	0	
127	N127	-6.71498	0	3.051307	0	
128	N128	-3.498474	0	-2.019845	0	
129	N129	-3.71498	0	-2.144845	0	
130	N130	-1.498474	0	-5.483947	0	
131	N131	-1.71498	0	-5.608947	0	
132	N132	-1.71498	-2.5	-5.608947	0	
133	N133	-1.71498	3.5	-5.608947	0	
134	N134	-3.71498	-2.5	-2.144845	0	
135	N135	-3.71498	3.5	-2.144845	0	
136	N136	-6.71498	-2.5	3.051307	0	
137	N137	-6.71498	3.5	3.051307	0	
138	N138	-5.814142	0	3.356797	0	
139	N141	5.814142	0	3.356797	0	
140	N140	6.25	3	4.03969	0	
141	N141A	-6.25	3	4.03969	0	
142	N142	6	3	4.03969	0	
143	N143	6	3	4.28969	0	
144	N144	-6	3	4.03969	0	
145	N145	-6	3	4.28969	0	
146	N146	0.	3	4.03969	0	
147	N147	0.	3	4.28969	0	
148	N148	-4	3	4.03969	0	
149	N149	-4	3	4.28969	0	
150	N150	0.373474	3	-7.432504	0	
151	N151	6.623474	3	3.392814	0	
152	N152	0.498474	3	-7.215997	0	
153	N153	0.71498	3	-7.340997	0	
154	N154	6.498474	3	3.176307	0	
155	N155	6.71498	3	3.051307	0	
156	N156	3.498474	3	-2.019845	0	
157	N157	3.71498	3	-2.144845	0	
158	N158	5.498474	3	1.444257	0	
159	N159	5.71498	3	1.319257	0	
160	N160	-6.623474	3	3.392814	0	
161	N161	-0.373474	3	-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	0	
165	N165	-0.71498	3	-7.340997	0	
166	N166	-3.498474	3	-2.019845	0	
167	N167	-3.71498	3	-2.144845	0	
168	N168	-1.498474	3	-5.483947	0	
169	N169	-1.71498	3	-5.608947	0	
170	N170	-5.25	3	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	
174	N184	-0.873474	3	-6.566478	0	
175	N185	-6.123474	3	2.526788	0	
176	N176	-0.	0	-2.359427	0	

Joint Coordinates and Temperatures (Continued)

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

Hot Rolled Steel Section Sets

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

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	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			RIGID	None	None	RIGID	Typical
6	MP3A	N17	N16			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
7	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
8	MP2A	N21	N20			Dual Mount Pi...	Column	Pipe	A53 Gr.B	Typical
9	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	M109A	N163A	N164A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
11	M111A	N167A	N168A			RIGID	None	None	RIGID	Typical
12	MP4C	N176A	N175A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
13	M118A	N185A	N186A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
14	M120A	N189A	N190A			RIGID	None	None	RIGID	Typical
15	MP4B	N198A	N197A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
16	M127A	N207A	N208A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
17	M128A	N208A	N209A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
18	M129A	N209A	N105A			RIGID	None	None	RIGID	Typical
19	M130A	N212A	N210A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
20	M131A	N210A	N109			RIGID	None	None	RIGID	Typical
21	M132A	N214A	N215A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
22	M133A	N215A	N216A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
23	M134A	N216A	N161A			RIGID	None	None	RIGID	Typical
24	M135A	N218A	N217A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
25	M136A	N217A	N162A			RIGID	None	None	RIGID	Typical
26	M137A	N221A	N222A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
27	M138A	N222A	N223A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
28	M139A	N223A	N181A			RIGID	None	None	RIGID	Typical
29	M140A	N225A	N224A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
30	M141A	N224A	N182A			RIGID	None	None	RIGID	Typical
31	M142A	N226A	N227A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
32	M143A	N227A	N228A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
33	M144A	N228A	N183A			RIGID	None	None	RIGID	Typical
34	M145A	N230A	N229A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
35	M146A	N229A	N184A			RIGID	None	None	RIGID	Typical
36	M147A	N235A	N236A			Cross Arm Plate	Beam	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			Corner Plate	Beam	RECT	A36 Gr.36	Typical
40	M151A	N238A	N204A			RIGID	None	None	RIGID	Typical
41	M152A	N240A	N241A			Cross Arm Plate	Beam	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			Corner Plate	Beam	RECT	A36 Gr.36	Typical
49	M160A	N207A	N268A			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
50	M161A	N235A	N269A			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
51	M162A	N221A	N270A			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
52	M163A	N237B	N238B			Standoff Horiz...	Beam	SquareTube	A500 Gr.B..	Typical
53	M164A	N239B	N240B			Standoff Horiz...	Beam	SquareTube	A500 Gr.B..	Typical
54	M165A	N241B	N242B			Standoff Horiz...	Beam	SquareTube	A500 Gr.B..	Typical
55	M166A	N245A	N243B			RIGID	None	None	RIGID	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	N248A			RIGID	None	None	RIGID	Typical
60	M171A	N249A	N247A			Grating Support	Beam	Single Angle	A36 Gr.36	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			Grating Support	Beam	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			Grating Support	Beam	Single Angle	A36 Gr.36	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	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
77	M188A	N270A	N276A			RIGID	None	None	RIGID	Typical
78	M189A	N271A	N240A			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
79	M190A	N272A	N226A			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
80	M191A	N273A	N214A			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
81	M192A	N274A	N271A			RIGID	None	None	RIGID	Typical
82	M193A	N275A	N272A			RIGID	None	None	RIGID	Typical
83	M194A	N276A	N273A			RIGID	None	None	RIGID	Typical
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
87	MP3C	N121	N120			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	MP2C	N123	N122			Dual Mount Pi...	Column	Pipe	A53 Gr.B	Typical
89	MP1C	N125	N124			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M90	N126	N127			RIGID	None	None	RIGID	Typical
91	M91	N128	N129			RIGID	None	None	RIGID	Typical
92	M92	N130	N131			RIGID	None	None	RIGID	Typical
93	MP3B	N133	N132			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	MP2B	N135	N134			Dual Mount Pi...	Column	Pipe	A53 Gr.B	Typical
95	MP1B	N137	N136			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	M96	N253A	N138			RIGID	None	None	RIGID	Typical
97	M97	N252B	N138			RIGID	None	None	RIGID	Typical
98	M98	N261A	N141			RIGID	None	None	RIGID	Typical
99	M99	N260A	N141			RIGID	None	None	RIGID	Typical
100	M100	N142	N143			RIGID	None	None	RIGID	Typical
101	M101	N144	N145			RIGID	None	None	RIGID	Typical
102	M102	N146	N147			RIGID	None	None	RIGID	Typical
103	M103	N148	N149			RIGID	None	None	RIGID	Typical
104	M104	N141A	N140			Support Rail	Beam	Pipe	A53 Gr.B	Typical
105	M105	N152	N153			RIGID	None	None	RIGID	Typical
106	M106	N154	N155			RIGID	None	None	RIGID	Typical
107	M107	N156	N157			RIGID	None	None	RIGID	Typical
108	M108	N158	N159			RIGID	None	None	RIGID	Typical
109	M109	N151	N150			Support Rail	Beam	Pipe	A53 Gr.B	Typical
110	M110	N162	N163			RIGID	None	None	RIGID	Typical
111	M111	N164	N165			RIGID	None	None	RIGID	Typical
112	M112	N166	N167			RIGID	None	None	RIGID	Typical
113	M113	N168	N169			RIGID	None	None	RIGID	Typical
114	M114	N161	N160			Support Rail	Beam	Pipe	A53 Gr.B	Typical
115	M115	N191	N180		180	Connector Ang...	Beam	Single Angle	A36 Gr.36	Typical
116	M116	N181B	N185B		180	Connector Ang...	Beam	Single Angle	A36 Gr.36	Typical
117	M117	N186	N190		180	Connector Ang...	Beam	Single Angle	A36 Gr.36	Typical
118	OVP	N178	N179			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
119	M119	N176	N177			RIGID	None	None	RIGID	Typical
120	M120	N170	N180			RIGID	None	None	RIGID	Typical
121	M121	N181	N181B			RIGID	None	None	RIGID	Typical
122	M122	N170	N180			RIGID	None	None	RIGID	Typical
123	M123	N181	N181B			RIGID	None	None	RIGID	Typical
124	M124	N182	N185B			RIGID	None	None	RIGID	Typical
125	M125	N183	N186			RIGID	None	None	RIGID	Typical
126	M126	N182	N185B			RIGID	None	None	RIGID	Typical
127	M127	N183	N186			RIGID	None	None	RIGID	Typical
128	M128	N184	N190			RIGID	None	None	RIGID	Typical
129	M129	N185	N191			RIGID	None	None	RIGID	Typical
130	M130	N184	N190			RIGID	None	None	RIGID	Typical
131	M131	N185	N191			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M19						Yes	** NA **			None
3	M20						Yes	** NA **			None
4	M21						Yes	** NA **			None
5	M22						Yes	** NA **			None
6	MP3A						Yes	** NA **			None
7	MP4A						Yes	** NA **			None
8	MP2A						Yes	** NA **			None
9	MP1A						Yes	** NA **			None
10	M109A						Yes	Default			None
11	M111A						Yes	** NA **			None
12	MP4C						Yes	** NA **			None
13	M118A						Yes	Default			None
14	M120A						Yes	** NA **			None
15	MP4B						Yes	** NA **			None
16	M127A						Yes				None
17	M128A						Yes				None
18	M129A		BenPIN				Yes	** NA **			None
19	M130A						Yes				None
20	M131A		BenPIN				Yes	** NA **			None
21	M132A						Yes				None
22	M133A						Yes				None
23	M134A		BenPIN				Yes	** NA **			None
24	M135A						Yes				None
25	M136A		BenPIN				Yes	** NA **			None
26	M137A						Yes				None
27	M138A						Yes				None
28	M139A		BenPIN				Yes	** NA **			None
29	M140A						Yes				None
30	M141A		BenPIN				Yes	** NA **			None
31	M142A						Yes				None
32	M143A						Yes				None
33	M144A		BenPIN				Yes	** NA **			None
34	M145A						Yes				None
35	M146A		BenPIN				Yes	** NA **			None
36	M147A						Yes				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 **			None
44	M155A						Yes				None
45	M156A		BenPIN				Yes	** NA **			None
46	M157A						Yes				None
47	M158A						Yes				None
48	M159A						Yes				None
49	M160A						Yes				None
50	M161A						Yes				None
51	M162A						Yes				None
52	M163A						Yes				None
53	M164A						Yes				None
54	M165A						Yes				None
55	M166A						Yes	** NA **			None
56	M167A						Yes	** NA **			None
57	M168A						Yes	** NA **			None
58	M169A						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat..	Analysis ...	Inactive	Seismic...
59	M170A						Yes	** NA **			None
60	M171A	OOOOOX	OOOOOX				Yes				None
61	M172A						Yes	** NA **			None
62	M173A	OOOOXO	OOOOXO				Yes				None
63	M174A						Yes	** NA **			None
64	M175A						Yes	** NA **			None
65	M176A						Yes	** NA **			None
66	M177A	OOOOOX	OOOOOX				Yes				None
67	M178A						Yes	** NA **			None
68	M179A	OOOOXO	OOOOXO				Yes				None
69	M180A						Yes	** NA **			None
70	M181A						Yes	** NA **			None
71	M182A						Yes	** NA **			None
72	M183A	OOOOOX	OOOOOX				Yes				None
73	M184A						Yes	** NA **			None
74	M185A	OOOOXO	OOOOXO				Yes				None
75	M186A						Yes	** NA **			None
76	M187A						Yes	** NA **			None
77	M188A						Yes	** NA **			None
78	M189A						Yes				None
79	M190A						Yes				None
80	M191A						Yes				None
81	M192A						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						Yes	** NA **			None
90	M90						Yes	** NA **			None
91	M91						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	MP3B						Yes	** NA **			None
94	MP2B						Yes	** NA **			None
95	MP1B						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	M99						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes				None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108						Yes				None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113						Yes				None
114	M114						Yes				None
115	M115						Yes				None
116	M116						Yes				None
117	M117						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
118	OVP						Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M120	OOOOOX					Yes	** NA **			None
121	M121	OOOOOX					Yes	** NA **			None
122	M122	OOOOOX					Yes	** NA **			None
123	M123	OOOOOX					Yes	** NA **			None
124	M124	OOOOOX					Yes	** NA **			None
125	M125	OOOOOX					Yes	** NA **			None
126	M126	OOOOOX					Yes	** NA **			None
127	M127	OOOOOX					Yes	** NA **			None
128	M128	OOOOOX					Yes	** NA **			None
129	M129	OOOOOX					Yes	** NA **			None
130	M130	OOOOOX					Yes	** NA **			None
131	M131	OOOOOX					Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-35.163	.3
2	MP2A	My	-.018	.3
3	MP2A	Mz	.021	.3
4	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	.3
28	MP2B	Y	-35.163	4.7
29	MP2B	My	.027	4.7
30	MP2B	Mz	-.005	4.7
31	MP2C	Y	-35.163	.3
32	MP2C	My	-.009	.3
33	MP2C	Mz	.025	.3
34	MP2C	Y	-35.163	4.7
35	MP2C	My	-.009	4.7
36	MP2C	Mz	.025	4.7
37	MP3A	Y	-52.9	2
38	MP3A	My	.026	2
39	MP3A	Mz	0	2
40	MP3B	Y	-52.9	2

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
66	MP1A	Mz	0	1.5
67	MP1A	Y	-43.55	3.5
68	MP1A	My	-.022	3.5
69	MP1A	Mz	0	3.5
70	MP1B	Y	-43.55	1.5
71	MP1B	My	.011	1.5
72	MP1B	Mz	-.019	1.5
73	MP1B	Y	-43.55	3.5
74	MP1B	My	.011	3.5
75	MP1B	Mz	-.019	3.5
76	MP1C	Y	-43.55	1.5
77	MP1C	My	.011	1.5
78	MP1C	Mz	.019	1.5
79	MP1C	Y	-43.55	3.5
80	MP1C	My	.011	3.5
81	MP1C	Mz	.019	3.5
82	OVP	Y	-32	1
83	OVP	My	0	1
84	OVP	Mz	0	1
85	MP2A	Y	-17.6	4.5
86	MP2A	My	.009	4.5
87	MP2A	Mz	0	4.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-62.652	.3
2	MP2A	My	-.031	.3
3	MP2A	Mz	.037	.3
4	MP2A	Y	-62.652	4.7
5	MP2A	My	-.031	4.7
6	MP2A	Mz	.037	4.7
7	MP2B	Y	-62.652	.3
8	MP2B	My	-.016	.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mz	-.045	.3
10	MP2B	Y	-62.652	4.7
11	MP2B	My	-.016	4.7
12	MP2B	Mz	-.045	4.7
13	MP2C	Y	-62.652	.3
14	MP2C	My	.047	.3
15	MP2C	Mz	.009	.3
16	MP2C	Y	-62.652	4.7
17	MP2C	My	.047	4.7
18	MP2C	Mz	.009	4.7
19	MP2A	Y	-62.652	.3
20	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	Y	-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
43	MP3C	Y	-38.382	2
44	MP3C	My	.019	2
45	MP3C	Mz	0	2
46	MP2A	Y	-46.085	2
47	MP2A	My	.023	2
48	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
56	MP2A	My	.021	2
57	MP2A	Mz	-.028	2
58	MP2B	Y	-41.452	2
59	MP2B	My	.021	2
60	MP2B	Mz	-.028	2
61	MP2C	Y	-41.452	2
62	MP2C	My	.021	2
63	MP2C	Mz	-.028	2
64	MP1A	Y	-36.539	1.5
65	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,%]
68	MP1A	My	-.018	3.5
69	MP1A	Mz	0	3.5
70	MP1B	Y	-36.539	1.5
71	MP1B	My	.009	1.5
72	MP1B	Mz	-.016	1.5
73	MP1B	Y	-36.539	3.5
74	MP1B	My	.009	3.5
75	MP1B	Mz	-.016	3.5
76	MP1C	Y	-36.539	1.5
77	MP1C	My	.009	1.5
78	MP1C	Mz	.016	1.5
79	MP1C	Y	-36.539	3.5
80	MP1C	My	.009	3.5
81	MP1C	Mz	.016	3.5
82	OVP	Y	-90.159	1
83	OVP	My	0	1
84	OVP	Mz	0	1
85	MP2A	Y	-17.839	4.5
86	MP2A	My	.009	4.5
87	MP2A	Mz	0	4.5

Member Point Loads (BLC 3 : Antenna Wo (0 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	Z	-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
23	MP2A	Z	-165.592	4.7
24	MP2A	Mx	.097	4.7
25	MP2B	X	0	.3
26	MP2B	Z	-95.621	.3
27	MP2B	Mx	.014	.3
28	MP2B	X	0	4.7
29	MP2B	Z	-95.621	4.7
30	MP2B	Mx	.014	4.7
31	MP2C	X	0	.3
32	MP2C	Z	-95.621	.3
33	MP2C	Mx	-.069	.3
34	MP2C	X	0	4.7
35	MP2C	Z	-95.621	4.7

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	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
56	MP2A	Z	-67.103	2
57	MP2A	Mx	.045	2
58	MP2B	X	0	2
59	MP2B	Z	-67.103	2
60	MP2B	Mx	.045	2
61	MP2C	X	0	2
62	MP2C	Z	-67.103	2
63	MP2C	Mx	.045	2
64	MP1A	X	0	1.5
65	MP1A	Z	-84.853	1.5
66	MP1A	Mx	0	1.5
67	MP1A	X	0	3.5
68	MP1A	Z	-84.853	3.5
69	MP1A	Mx	0	3.5
70	MP1B	X	0	1.5
71	MP1B	Z	-43.13	1.5
72	MP1B	Mx	.019	1.5
73	MP1B	X	0	3.5
74	MP1B	Z	-43.13	3.5
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
82	OVP	X	0	1
83	OVP	Z	-175.766	1
84	OVP	Mx	0	1
85	MP2A	X	0	4.5
86	MP2A	Z	-41.56	4.5
87	MP2A	Mx	0	4.5

Member Point Loads (BLC 4 : Antenna Wo (30 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

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

	Member Label	Direction	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
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
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
58	MP2B	X	29.763	2
59	MP2B	Z	-51.552	2
60	MP2B	Mx	.049	2
61	MP2C	X	29.763	2
62	MP2C	Z	-51.552	2

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	3.5
82	OVP	X	82.674	1
83	OVP	Z	-143.196	1
84	OVP	Mx	0	1
85	MP2A	X	17.161	4.5
86	MP2A	Z	-29.723	4.5
87	MP2A	Mx	.009	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	.3
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)

	Member Label	Direction	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	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
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
80	MP1C	Z	-42.426	3.5
81	MP1C	Mx	0	3.5
82	OVP	X	125.153	1
83	OVP	Z	-72.257	1
84	OVP	Mx	0	1
85	MP2A	X	17.186	4.5
86	MP2A	Z	-9.922	4.5
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
44	MP3C	Z	0	2
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

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
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
80	MP1C	Z	0	3.5
81	MP1C	Mx	.018	3.5
82	OVP	X	134.097	1
83	OVP	Z	0	1
84	OVP	Mx	0	1
85	MP2A	X	12.605	4.5
86	MP2A	Z	0	4.5
87	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
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
13	MP2C	X	82.811	.3
14	MP2C	Z	47.811	.3
15	MP2C	Mx	.069	.3
16	MP2C	X	82.811	4.7
17	MP2C	Z	47.811	4.7
18	MP2C	Mx	.069	4.7
19	MP2A	X	82.811	.3
20	MP2A	Z	47.811	.3
21	MP2A	Mx	-.069	.3
22	MP2A	X	82.811	4.7
23	MP2A	Z	47.811	4.7
24	MP2A	Mx	-.069	4.7
25	MP2B	X	143.407	.3
26	MP2B	Z	82.796	.3
27	MP2B	Mx	.097	.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	143.407	4.7
29	MP2B	Z	82.796	4.7
30	MP2B	Mx	.097	4.7
31	MP2C	X	82.811	.3
32	MP2C	Z	47.811	.3
33	MP2C	Mx	.014	.3
34	MP2C	X	82.811	4.7
35	MP2C	Z	47.811	4.7
36	MP2C	Mx	.014	4.7
37	MP3A	X	41.466	2
38	MP3A	Z	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
47	MP2A	Z	25.272	2
48	MP2A	Mx	.039	2
49	MP2B	X	58.113	2
50	MP2B	Z	33.551	2
51	MP2B	Mx	-.045	2
52	MP2C	X	43.772	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	1
83	OVP	Z	72.257	1
84	OVP	Mx	0	1
85	MP2A	X	17.186	4.5
86	MP2A	Z	9.922	4.5

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

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

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
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
11	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
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
29	MP2B	Z	123.208	4.7
30	MP2B	Mx	.036	4.7
31	MP2C	X	36.149	.3
32	MP2C	Z	62.612	.3
33	MP2C	Mx	.036	.3
34	MP2C	X	36.149	4.7
35	MP2C	Z	62.612	4.7
36	MP2C	Mx	.036	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	.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

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	1
83	OVP	Z	143.196	1
84	OVP	Mx	0	1
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	Z	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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	165.592	4.7
24	MP2A	Mx	-.097	4.7
25	MP2B	X	0	.3
26	MP2B	Z	95.621	.3
27	MP2B	Mx	-.014	.3
28	MP2B	X	0	4.7
29	MP2B	Z	95.621	4.7
30	MP2B	Mx	-.014	4.7
31	MP2C	X	0	.3
32	MP2C	Z	95.621	.3
33	MP2C	Mx	.069	.3
34	MP2C	X	0	4.7
35	MP2C	Z	95.621	4.7
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	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
56	MP2A	Z	67.103	2
57	MP2A	Mx	-.045	2
58	MP2B	X	0	2
59	MP2B	Z	67.103	2
60	MP2B	Mx	-.045	2
61	MP2C	X	0	2
62	MP2C	Z	67.103	2
63	MP2C	Mx	-.045	2
64	MP1A	X	0	1.5
65	MP1A	Z	84.853	1.5
66	MP1A	Mx	0	1.5
67	MP1A	X	0	3.5
68	MP1A	Z	84.853	3.5
69	MP1A	Mx	0	3.5
70	MP1B	X	0	1.5
71	MP1B	Z	43.13	1.5
72	MP1B	Mx	-.019	1.5
73	MP1B	X	0	3.5
74	MP1B	Z	43.13	3.5
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

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	OVP	Z	175.766	1
84	OVP	Mx	0	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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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
58	MP2B	X	-29.763	2
59	MP2B	Z	51.552	2
60	MP2B	Mx	-.049	2
61	MP2C	X	-29.763	2
62	MP2C	Z	51.552	2
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	3.5
82	OVP	X	-82.674	1
83	OVP	Z	143.196	1
84	OVP	Mx	0	1
85	MP2A	X	-17.161	4.5
86	MP2A	Z	29.723	4.5
87	MP2A	Mx	-.009	4.5

Member Point Loads (BLC 11 : Antenna Wo (240 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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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	.3
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
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	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
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

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

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

Member Point Loads (BLC 12 : Antenna Wo (270 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
44	MP3C	Z	0	2

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

	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
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
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
80	MP1C	Z	0	3.5
81	MP1C	Mx	-.018	3.5
82	OVP	X	-134.097	1
83	OVP	Z	0	1
84	OVP	Mx	0	1
85	MP2A	X	-12.605	4.5
86	MP2A	Z	0	4.5
87	MP2A	Mx	-.006	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

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
15	MP2C	Mx	-.069	.3
16	MP2C	X	-82.811	4.7
17	MP2C	Z	-47.811	4.7
18	MP2C	Mx	-.069	4.7
19	MP2A	X	-82.811	.3
20	MP2A	Z	-47.811	.3
21	MP2A	Mx	.069	.3
22	MP2A	X	-82.811	4.7
23	MP2A	Z	-47.811	4.7
24	MP2A	Mx	.069	4.7
25	MP2B	X	-143.407	.3
26	MP2B	Z	-82.796	.3
27	MP2B	Mx	-.097	.3
28	MP2B	X	-143.407	4.7
29	MP2B	Z	-82.796	4.7
30	MP2B	Mx	-.097	4.7
31	MP2C	X	-82.811	.3
32	MP2C	Z	-47.811	.3
33	MP2C	Mx	-.014	.3
34	MP2C	X	-82.811	4.7
35	MP2C	Z	-47.811	4.7
36	MP2C	Mx	-.014	4.7
37	MP3A	X	-41.466	2
38	MP3A	Z	-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
47	MP2A	Z	-25.272	2
48	MP2A	Mx	-.039	2
49	MP2B	X	-58.113	2
50	MP2B	Z	-33.551	2
51	MP2B	Mx	.045	2
52	MP2C	X	-43.772	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

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	1
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))

	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
11	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
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
29	MP2B	Z	-123.208	4.7
30	MP2B	Mx	-.036	4.7
31	MP2C	X	-36.149	.3
32	MP2C	Z	-62.612	.3
33	MP2C	Mx	-.036	.3
34	MP2C	X	-36.149	4.7
35	MP2C	Z	-62.612	4.7
36	MP2C	Mx	-.036	4.7
37	MP3A	X	-36.264	2
38	MP3A	Z	-62.812	2
39	MP3A	Mx	-.018	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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	-.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
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	1
83	OVP	Z	-143.196	1
84	OVP	Mx	0	1
85	MP2A	X	-17.161	4.5
86	MP2A	Z	-29.723	4.5
87	MP2A	Mx	-.009	4.5

Member Point Loads (BLC 15 : Antenna Wi (0 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	.3
4	MP2A	X	0	4.7
5	MP2A	Z	-33.931	4.7
6	MP2A	Mx	-.02	4.7
7	MP2B	X	0	.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	-26.084	.3
9	MP2B	Mx	.019	.3
10	MP2B	X	0	4.7
11	MP2B	Z	-26.084	4.7
12	MP2B	Mx	.019	4.7
13	MP2C	X	0	.3
14	MP2C	Z	-26.084	.3
15	MP2C	Mx	-.004	.3
16	MP2C	X	0	4.7
17	MP2C	Z	-26.084	4.7
18	MP2C	Mx	-.004	4.7
19	MP2A	X	0	.3
20	MP2A	Z	-33.931	.3
21	MP2A	Mx	.02	.3
22	MP2A	X	0	4.7
23	MP2A	Z	-33.931	4.7
24	MP2A	Mx	.02	4.7
25	MP2B	X	0	.3
26	MP2B	Z	-26.084	.3
27	MP2B	Mx	.004	.3
28	MP2B	X	0	4.7
29	MP2B	Z	-26.084	4.7
30	MP2B	Mx	.004	4.7
31	MP2C	X	0	.3
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
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

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
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	3.5
81	MP1C	Mx	-.005	3.5
82	OVP	X	0	1
83	OVP	Z	-34.66	1
84	OVP	Mx	0	1
85	MP2A	X	0	4.5
86	MP2A	Z	-9.296	4.5
87	MP2A	Mx	0	4.5

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
17	MP2C	Z	-27.119	4.7
18	MP2C	Mx	.008	4.7
19	MP2A	X	15.657	.3
20	MP2A	Z	-27.119	.3
21	MP2A	Mx	.008	.3
22	MP2A	X	15.657	4.7
23	MP2A	Z	-27.119	4.7
24	MP2A	Mx	.008	4.7
25	MP2B	X	11.734	.3
26	MP2B	Z	-20.324	.3
27	MP2B	Mx	.012	.3
28	MP2B	X	11.734	4.7
29	MP2B	Z	-20.324	4.7
30	MP2B	Mx	.012	4.7
31	MP2C	X	15.657	.3
32	MP2C	Z	-27.119	.3
33	MP2C	Mx	-.024	.3
34	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,%]
35	MP2C	Z	-27.119	4.7
36	MP2C	Mx	-.024	4.7
37	MP3A	X	7.597	2
38	MP3A	Z	-13.158	2
39	MP3A	Mx	.004	2
40	MP3B	X	7.597	2
41	MP3B	Z	-13.158	2
42	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
47	MP2A	Z	-13.512	2
48	MP2A	Mx	-.005	2
49	MP2B	X	5.878	2
50	MP2B	Z	-10.181	2
51	MP2B	Mx	-.006	2
52	MP2C	X	7.801	2
53	MP2C	Z	-13.512	2
54	MP2C	Mx	.013	2
55	MP2A	X	7.558	2
56	MP2A	Z	-13.09	2
57	MP2A	Mx	.013	2
58	MP2B	X	7.558	2
59	MP2B	Z	-13.09	2
60	MP2B	Mx	.013	2
61	MP2C	X	7.558	2
62	MP2C	Z	-13.09	2
63	MP2C	Mx	.013	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	MP1A	Z	-14.845	3.5
69	MP1A	Mx	-.004	3.5
70	MP1B	X	4.27	1.5
71	MP1B	Z	-7.396	1.5
72	MP1B	Mx	.004	1.5
73	MP1B	X	4.27	3.5
74	MP1B	Z	-7.396	3.5
75	MP1B	Mx	.004	3.5
76	MP1C	X	8.571	1.5
77	MP1C	Z	-14.845	1.5
78	MP1C	Mx	-.004	1.5
79	MP1C	X	8.571	3.5
80	MP1C	Z	-14.845	3.5
81	MP1C	Mx	-.004	3.5
82	OVP	X	16.387	1
83	OVP	Z	-28.383	1
84	OVP	Mx	0	1
85	MP2A	X	3.926	4.5
86	MP2A	Z	-6.8	4.5
87	MP2A	Mx	.002	4.5

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

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

	Member Label	Direction	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	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
47	MP2A	Z	-6.519	2
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
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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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
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
83	OVP	Z	-14.501	1
84	OVP	Mx	0	1
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	Direction	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	.3
34	MP2C	X	31.315	4.7
35	MP2C	Z	0	4.7
36	MP2C	Mx	-.008	4.7
37	MP3A	X	8.258	2
38	MP3A	Z	0	2
39	MP3A	Mx	.004	2
40	MP3B	X	8.258	2
41	MP3B	Z	0	2
42	MP3B	Mx	.004	2
43	MP3C	X	8.258	2
44	MP3C	Z	0	2
45	MP3C	Mx	.004	2
46	MP2A	X	11.756	2
47	MP2A	Z	0	2
48	MP2A	Mx	.006	2
49	MP2B	X	15.603	2
50	MP2B	Z	0	2
51	MP2B	Mx	-.013	2
52	MP2C	X	15.603	2
53	MP2C	Z	0	2
54	MP2C	Mx	.005	2
55	MP2A	X	9.807	2
56	MP2A	Z	0	2
57	MP2A	Mx	.005	2
58	MP2B	X	9.807	2
59	MP2B	Z	0	2
60	MP2B	Mx	.005	2
61	MP2C	X	9.807	2
62	MP2C	Z	0	2
63	MP2C	Mx	.005	2
64	MP1A	X	8.54	1.5
65	MP1A	Z	0	1.5
66	MP1A	Mx	-.004	1.5
67	MP1A	X	8.54	3.5
68	MP1A	Z	0	3.5
69	MP1A	Mx	-.004	3.5
70	MP1B	X	17.141	1.5
71	MP1B	Z	0	1.5
72	MP1B	Mx	.004	1.5
73	MP1B	X	17.141	3.5
74	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	1
83	OVP	Z	0	1
84	OVP	Mx	0	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,%]
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
19	MP2A	X	22.589	.3
20	MP2A	Z	13.042	.3
21	MP2A	Mx	-.019	.3
22	MP2A	X	22.589	4.7
23	MP2A	Z	13.042	4.7
24	MP2A	Mx	-.019	4.7
25	MP2B	X	29.385	.3
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
44	MP3C	Z	5.285	2
45	MP3C	Mx	.005	2
46	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	2
56	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)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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	1
83	OVP	Z	14.501	1
84	OVP	Mx	0	1
85	MP2A	X	4.298	4.5
86	MP2A	Z	2.482	4.5
87	MP2A	Mx	.002	4.5

Member Point Loads (BLC 20 : Antenna Wi (150 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	.3
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
13	MP2C	X	11.734	.3
14	MP2C	Z	20.324	.3
15	MP2C	Mx	.012	.3
16	MP2C	X	11.734	4.7
17	MP2C	Z	20.324	4.7
18	MP2C	Mx	.012	4.7
19	MP2A	X	15.657	.3
20	MP2A	Z	27.119	.3
21	MP2A	Mx	-.024	.3
22	MP2A	X	15.657	4.7
23	MP2A	Z	27.119	4.7
24	MP2A	Mx	-.024	4.7
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)

	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	.3
34	MP2C	X	11.734	4.7
35	MP2C	Z	20.324	4.7
36	MP2C	Mx	.012	4.7
37	MP3A	X	7.597	2
38	MP3A	Z	13.158	2
39	MP3A	Mx	.004	2
40	MP3B	X	7.597	2
41	MP3B	Z	13.158	2
42	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
47	MP2A	Z	13.512	2
48	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	MP1A	Z	14.845	3.5
69	MP1A	Mx	-.004	3.5
70	MP1B	X	8.571	1.5
71	MP1B	Z	14.845	1.5
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	1
83	OVP	Z	28.383	1
84	OVP	Mx	0	1
85	MP2A	X	3.926	4.5
86	MP2A	Z	6.8	4.5

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

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

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	.3
4	MP2A	X	0	4.7
5	MP2A	Z	33.931	4.7
6	MP2A	Mx	.02	4.7
7	MP2B	X	0	.3
8	MP2B	Z	26.084	.3
9	MP2B	Mx	-.019	.3
10	MP2B	X	0	4.7
11	MP2B	Z	26.084	4.7
12	MP2B	Mx	-.019	4.7
13	MP2C	X	0	.3
14	MP2C	Z	26.084	.3
15	MP2C	Mx	.004	.3
16	MP2C	X	0	4.7
17	MP2C	Z	26.084	4.7
18	MP2C	Mx	.004	4.7
19	MP2A	X	0	.3
20	MP2A	Z	33.931	.3
21	MP2A	Mx	-.02	.3
22	MP2A	X	0	4.7
23	MP2A	Z	33.931	4.7
24	MP2A	Mx	-.02	4.7
25	MP2B	X	0	.3
26	MP2B	Z	26.084	.3
27	MP2B	Mx	-.004	.3
28	MP2B	X	0	4.7
29	MP2B	Z	26.084	4.7
30	MP2B	Mx	-.004	4.7
31	MP2C	X	0	.3
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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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
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	3.5
81	MP1C	Mx	.005	3.5
82	OVP	X	0	1
83	OVP	Z	34.66	1
84	OVP	Mx	0	1
85	MP2A	X	0	4.5
86	MP2A	Z	9.296	4.5
87	MP2A	Mx	0	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	4.7
18	MP2C	Mx	-.008	4.7
19	MP2A	X	-15.657	.3
20	MP2A	Z	27.119	.3
21	MP2A	Mx	-.008	.3
22	MP2A	X	-15.657	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	27.119	4.7
24	MP2A	Mx	-.008	4.7
25	MP2B	X	-11.734	.3
26	MP2B	Z	20.324	.3
27	MP2B	Mx	-.012	.3
28	MP2B	X	-11.734	4.7
29	MP2B	Z	20.324	4.7
30	MP2B	Mx	-.012	4.7
31	MP2C	X	-15.657	.3
32	MP2C	Z	27.119	.3
33	MP2C	Mx	.024	.3
34	MP2C	X	-15.657	4.7
35	MP2C	Z	27.119	4.7
36	MP2C	Mx	.024	4.7
37	MP3A	X	-7.597	2
38	MP3A	Z	13.158	2
39	MP3A	Mx	-.004	2
40	MP3B	X	-7.597	2
41	MP3B	Z	13.158	2
42	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
47	MP2A	Z	13.512	2
48	MP2A	Mx	.005	2
49	MP2B	X	-5.878	2
50	MP2B	Z	10.181	2
51	MP2B	Mx	.006	2
52	MP2C	X	-7.801	2
53	MP2C	Z	13.512	2
54	MP2C	Mx	-.013	2
55	MP2A	X	-7.558	2
56	MP2A	Z	13.09	2
57	MP2A	Mx	-.013	2
58	MP2B	X	-7.558	2
59	MP2B	Z	13.09	2
60	MP2B	Mx	-.013	2
61	MP2C	X	-7.558	2
62	MP2C	Z	13.09	2
63	MP2C	Mx	-.013	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	MP1A	Z	14.845	3.5
69	MP1A	Mx	.004	3.5
70	MP1B	X	-4.27	1.5
71	MP1B	Z	7.396	1.5
72	MP1B	Mx	-.004	1.5
73	MP1B	X	-4.27	3.5
74	MP1B	Z	7.396	3.5
75	MP1B	Mx	-.004	3.5
76	MP1C	X	-8.571	1.5
77	MP1C	Z	14.845	1.5
78	MP1C	Mx	.004	1.5
79	MP1C	X	-8.571	3.5
80	MP1C	Z	14.845	3.5
81	MP1C	Mx	.004	3.5

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	OVP	Z	28.383	1
84	OVP	Mx	0	1
85	MP2A	X	-3.926	4.5
86	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
47	MP2A	Z	6.519	2
48	MP2A	Mx	-.001	2
49	MP2B	X	-11.291	2

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
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
83	OVP	Z	14.501	1
84	OVP	Mx	0	1
85	MP2A	X	-4.298	4.5
86	MP2A	Z	2.482	4.5
87	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
15	MP2C	Mx	-.024	.3
16	MP2C	X	-31.315	4.7
17	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	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
30	MP2B	Mx	-.024	4.7
31	MP2C	X	-31.315	.3
32	MP2C	Z	0	.3
33	MP2C	Mx	.008	.3
34	MP2C	X	-31.315	4.7
35	MP2C	Z	0	4.7
36	MP2C	Mx	.008	4.7
37	MP3A	X	-8.258	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.004	2
40	MP3B	X	-8.258	2
41	MP3B	Z	0	2
42	MP3B	Mx	-.004	2
43	MP3C	X	-8.258	2
44	MP3C	Z	0	2
45	MP3C	Mx	-.004	2
46	MP2A	X	-11.756	2
47	MP2A	Z	0	2
48	MP2A	Mx	-.006	2
49	MP2B	X	-15.603	2
50	MP2B	Z	0	2
51	MP2B	Mx	.013	2
52	MP2C	X	-15.603	2
53	MP2C	Z	0	2
54	MP2C	Mx	-.005	2
55	MP2A	X	-9.807	2
56	MP2A	Z	0	2
57	MP2A	Mx	-.005	2
58	MP2B	X	-9.807	2
59	MP2B	Z	0	2
60	MP2B	Mx	-.005	2
61	MP2C	X	-9.807	2
62	MP2C	Z	0	2
63	MP2C	Mx	-.005	2
64	MP1A	X	-8.54	1.5
65	MP1A	Z	0	1.5
66	MP1A	Mx	.004	1.5
67	MP1A	X	-8.54	3.5
68	MP1A	Z	0	3.5
69	MP1A	Mx	.004	3.5
70	MP1B	X	-17.141	1.5
71	MP1B	Z	0	1.5
72	MP1B	Mx	-.004	1.5
73	MP1B	X	-17.141	3.5
74	MP1B	Z	0	3.5
75	MP1B	Mx	-.004	3.5
76	MP1C	X	-17.141	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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	1
83	OVP	Z	0	1
84	OVP	Mx	0	1
85	MP2A	X	-3.519	4.5
86	MP2A	Z	0	4.5
87	MP2A	Mx	-.002	4.5

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
19	MP2A	X	-22.589	.3
20	MP2A	Z	-13.042	.3
21	MP2A	Mx	.019	.3
22	MP2A	X	-22.589	4.7
23	MP2A	Z	-13.042	4.7
24	MP2A	Mx	.019	4.7
25	MP2B	X	-29.385	.3
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
44	MP3C	Z	-5.285	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3C	Mx	-.005	2
46	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	2
56	MP2A	Z	-5.788	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	1
83	OVP	Z	-14.501	1
84	OVP	Mx	0	1
85	MP2A	X	-4.298	4.5
86	MP2A	Z	-2.482	4.5
87	MP2A	Mx	-.002	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	.3
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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	-11.734	.3
14	MP2C	Z	-20.324	.3
15	MP2C	Mx	-.012	.3
16	MP2C	X	-11.734	4.7
17	MP2C	Z	-20.324	4.7
18	MP2C	Mx	-.012	4.7
19	MP2A	X	-15.657	.3
20	MP2A	Z	-27.119	.3
21	MP2A	Mx	.024	.3
22	MP2A	X	-15.657	4.7
23	MP2A	Z	-27.119	4.7
24	MP2A	Mx	.024	4.7
25	MP2B	X	-15.657	.3
26	MP2B	Z	-27.119	.3
27	MP2B	Mx	-.008	.3
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	.3
34	MP2C	X	-11.734	4.7
35	MP2C	Z	-20.324	4.7
36	MP2C	Mx	-.012	4.7
37	MP3A	X	-7.597	2
38	MP3A	Z	-13.158	2
39	MP3A	Mx	-.004	2
40	MP3B	X	-7.597	2
41	MP3B	Z	-13.158	2
42	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
47	MP2A	Z	-13.512	2
48	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	MP1A	Z	-14.845	3.5
69	MP1A	Mx	.004	3.5
70	MP1B	X	-8.571	1.5
71	MP1B	Z	-14.845	1.5

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	1
83	OVP	Z	-28.383	1
84	OVP	Mx	0	1
85	MP2A	X	-3.926	4.5
86	MP2A	Z	-6.8	4.5
87	MP2A	Mx	-.002	4.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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
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
83	OVP	Z	-10.985	1
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))

	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
5	MP2A	Z	-7.701	4.7
6	MP2A	Mx	-.007	4.7
7	MP2B	X	2.259	.3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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	1
83	OVP	Z	-8.95	1
84	OVP	Mx	0	1
85	MP2A	X	1.073	4.5
86	MP2A	Z	-1.858	4.5
87	MP2A	Mx	.000536	4.5

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
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	Z	-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
23	MP2A	Z	-2.988	4.7
24	MP2A	Mx	-.000845	4.7
25	MP2B	X	5.176	.3
26	MP2B	Z	-2.988	.3
27	MP2B	Mx	.004	.3
28	MP2B	X	5.176	4.7
29	MP2B	Z	-2.988	4.7
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

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
80	MP1C	Z	-2.652	3.5
81	MP1C	Mx	0	3.5
82	OVP	X	7.822	1
83	OVP	Z	-4.516	1
84	OVP	Mx	0	1
85	MP2A	X	1.074	4.5
86	MP2A	Z	-.62	4.5
87	MP2A	Mx	.000537	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.519	.3
2	MP2A	Z	0	.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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
44	MP3C	Z	0	2
45	MP3C	Mx	.001	2
46	MP2A	X	2.814	2
47	MP2A	Z	0	2
48	MP2A	Mx	.001	2
49	MP2B	X	3.849	2
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

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	1
83	OVP	Z	0	1
84	OVP	Mx	0	1
85	MP2A	X	.788	4.5
86	MP2A	Z	0	4.5
87	MP2A	Mx	.000394	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	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
61	MP2C	X	2.402	2
62	MP2C	Z	1.387	2
63	MP2C	Mx	.000276	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	4.593	1.5
71	MP1B	Z	2.652	1.5
72	MP1B	Mx	0	1.5
73	MP1B	X	4.593	3.5
74	MP1B	Z	2.652	3.5
75	MP1B	Mx	0	3.5
76	MP1C	X	2.334	1.5
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
82	OVP	X	7.822	1
83	OVP	Z	4.516	1
84	OVP	Mx	0	1
85	MP2A	X	1.074	4.5
86	MP2A	Z	.62	4.5
87	MP2A	Mx	.000537	4.5

Member Point Loads (BLC 32 : Antenna Wm (150 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	.3
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
41	MP3B	Z	3.926	2
42	MP3B	Mx	.001	2
43	MP3C	X	2.267	2
44	MP3C	Z	3.926	2
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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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
80	MP1C	Z	1.582	3.5
81	MP1C	Mx	.000913	3.5
82	OVP	X	5.167	1
83	OVP	Z	8.95	1
84	OVP	Mx	0	1
85	MP2A	X	1.073	4.5
86	MP2A	Z	1.858	4.5
87	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
3	MP2A	Mx	.006	.3
4	MP2A	X	0	4.7
5	MP2A	Z	10.35	4.7
6	MP2A	Mx	.006	4.7
7	MP2B	X	0	.3
8	MP2B	Z	5.976	.3
9	MP2B	Mx	-.004	.3
10	MP2B	X	0	4.7
11	MP2B	Z	5.976	4.7
12	MP2B	Mx	-.004	4.7
13	MP2C	X	0	.3
14	MP2C	Z	5.976	.3
15	MP2C	Mx	.000845	.3
16	MP2C	X	0	4.7
17	MP2C	Z	5.976	4.7
18	MP2C	Mx	.000845	4.7
19	MP2A	X	0	.3
20	MP2A	Z	10.35	.3
21	MP2A	Mx	-.006	.3
22	MP2A	X	0	4.7
23	MP2A	Z	10.35	4.7
24	MP2A	Mx	-.006	4.7
25	MP2B	X	0	.3
26	MP2B	Z	5.976	.3
27	MP2B	Mx	-.000845	.3

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

	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
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
83	OVP	Z	10.985	1
84	OVP	Mx	0	1
85	MP2A	X	0	4.5
86	MP2A	Z	2.598	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP2A	Mx	0	4.5

Member Point Loads (BLC 34 : Antenna Wm (210 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	.007	.3
4	MP2A	X	-4.446	4.7
5	MP2A	Z	7.701	4.7
6	MP2A	Mx	.007	4.7
7	MP2B	X	-2.259	.3
8	MP2B	Z	3.913	.3
9	MP2B	Mx	-.002	.3
10	MP2B	X	-2.259	4.7
11	MP2B	Z	3.913	4.7
12	MP2B	Mx	-.002	4.7
13	MP2C	X	-4.446	.3
14	MP2C	Z	7.701	.3
15	MP2C	Mx	-.002	.3
16	MP2C	X	-4.446	4.7
17	MP2C	Z	7.701	4.7
18	MP2C	Mx	-.002	4.7
19	MP2A	X	-4.446	.3
20	MP2A	Z	7.701	.3
21	MP2A	Mx	-.002	.3
22	MP2A	X	-4.446	4.7
23	MP2A	Z	7.701	4.7
24	MP2A	Mx	-.002	4.7
25	MP2B	X	-2.259	.3
26	MP2B	Z	3.913	.3
27	MP2B	Mx	-.002	.3
28	MP2B	X	-2.259	4.7
29	MP2B	Z	3.913	4.7
30	MP2B	Mx	-.002	4.7
31	MP2C	X	-4.446	.3
32	MP2C	Z	7.701	.3
33	MP2C	Mx	.007	.3
34	MP2C	X	-4.446	4.7
35	MP2C	Z	7.701	4.7
36	MP2C	Mx	.007	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
41	MP3B	Z	3.926	2
42	MP3B	Mx	-.001	2
43	MP3C	X	-2.267	2
44	MP3C	Z	3.926	2
45	MP3C	Mx	-.001	2
46	MP2A	X	-1.924	2
47	MP2A	Z	3.333	2
48	MP2A	Mx	.001	2
49	MP2B	X	-1.407	2
50	MP2B	Z	2.437	2
51	MP2B	Mx	.001	2
52	MP2C	X	-1.924	2
53	MP2C	Z	3.333	2
54	MP2C	Mx	-.003	2

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	1
83	OVP	Z	8.95	1
84	OVP	Mx	0	1
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	Z	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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	2.988	4.7
24	MP2A	Mx	.000845	4.7
25	MP2B	X	-5.176	.3
26	MP2B	Z	2.988	.3
27	MP2B	Mx	-.004	.3
28	MP2B	X	-5.176	4.7
29	MP2B	Z	2.988	4.7
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
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
80	MP1C	Z	2.652	3.5
81	MP1C	Mx	0	3.5

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	1
85	MP2A	X	-1.074	4.5
86	MP2A	Z	.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
44	MP3C	Z	0	2
45	MP3C	Mx	-.001	2
46	MP2A	X	-2.814	2
47	MP2A	Z	0	2
48	MP2A	Mx	-.001	2
49	MP2B	X	-3.849	2

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

	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
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	1
83	OVP	Z	0	1
84	OVP	Mx	0	1
85	MP2A	X	-.788	4.5
86	MP2A	Z	0	4.5
87	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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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
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
61	MP2C	X	-2.402	2
62	MP2C	Z	-1.387	2
63	MP2C	Mx	-.000276	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	-4.593	1.5
71	MP1B	Z	-2.652	1.5
72	MP1B	Mx	0	1.5
73	MP1B	X	-4.593	3.5
74	MP1B	Z	-2.652	3.5
75	MP1B	Mx	0	3.5
76	MP1C	X	-2.334	1.5

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
80	MP1C	Z	-1.348	3.5
81	MP1C	Mx	-.001	3.5
82	OVP	X	-7.822	1
83	OVP	Z	-4.516	1
84	OVP	Mx	0	1
85	MP2A	X	-1.074	4.5
86	MP2A	Z	-.62	4.5
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	.3
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
41	MP3B	Z	-3.926	2
42	MP3B	Mx	-.001	2
43	MP3C	X	-2.267	2
44	MP3C	Z	-3.926	2

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
80	MP1C	Z	-1.582	3.5
81	MP1C	Mx	-.000913	3.5
82	OVP	X	-5.167	1
83	OVP	Z	-8.95	1
84	OVP	Mx	0	1
85	MP2A	X	-1.073	4.5
86	MP2A	Z	-1.858	4.5
87	MP2A	Mx	-.000536	4.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-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]	Location[ft,%]
1	M1	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%50

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	.3
4	MP2A	Y	-1.38	4.7
5	MP2A	My	-.00069	4.7
6	MP2A	Mz	.000805	4.7
7	MP2B	Y	-1.38	.3
8	MP2B	My	-.000352	.3
9	MP2B	Mz	-.001	.3
10	MP2B	Y	-1.38	4.7
11	MP2B	My	-.000352	4.7
12	MP2B	Mz	-.001	4.7
13	MP2C	Y	-1.38	.3
14	MP2C	My	.001	.3
15	MP2C	Mz	.000195	.3
16	MP2C	Y	-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	.3
22	MP2A	Y	-1.38	4.7
23	MP2A	My	-.00069	4.7
24	MP2A	Mz	-.000805	4.7
25	MP2B	Y	-1.38	.3
26	MP2B	My	.001	.3
27	MP2B	Mz	-.000195	.3
28	MP2B	Y	-1.38	4.7
29	MP2B	My	.001	4.7
30	MP2B	Mz	-.000195	4.7
31	MP2C	Y	-1.38	.3
32	MP2C	My	-.000352	.3
33	MP2C	Mz	.001	.3
34	MP2C	Y	-1.38	4.7
35	MP2C	My	-.000352	4.7
36	MP2C	Mz	.001	4.7
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
48	MP2A	Mz	.002	2
49	MP2B	Y	-3.313	2
50	MP2B	My	-.003	2
51	MP2B	Mz	.00033	2
52	MP2C	Y	-3.313	2
53	MP2C	My	.001	2
54	MP2C	Mz	-.003	2

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
69	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	.00074	1.5
79	MP1C	Y	-1.709	3.5
80	MP1C	My	.000427	3.5
81	MP1C	Mz	.00074	3.5
82	OVP	Y	-1.256	1
83	OVP	My	0	1
84	OVP	Mz	0	1
85	MP2A	Y	-.691	4.5
86	MP2A	My	.000345	4.5
87	MP2A	Mz	0	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

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

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

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

	Member 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	.3
10	MP2C	Mx	.003	.3
11	MP2C	X	3.451	4.7
12	MP2C	Mx	.003	4.7
13	MP2A	X	3.451	.3
14	MP2A	Mx	-.002	.3
15	MP2A	X	3.451	4.7
16	MP2A	Mx	-.002	4.7
17	MP2B	X	3.451	.3
18	MP2B	Mx	.003	.3
19	MP2B	X	3.451	4.7

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	1
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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
16	M137A	Y	-10.377	-10.377	0	%100
17	M138A	Y	-10.377	-10.377	0	%100
18	M140A	Y	-10.39	-10.39	0	%100
19	M142A	Y	-10.377	-10.377	0	%100
20	M143A	Y	-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
29	M158A	Y	-10.39	-10.39	0	%100
30	M159A	Y	-10.39	-10.39	0	%100
31	M160A	Y	-9.865	-9.865	0	%100
32	M161A	Y	-9.865	-9.865	0	%100
33	M162A	Y	-9.865	-9.865	0	%100
34	M163A	Y	-9.865	-9.865	0	%100
35	M164A	Y	-9.865	-9.865	0	%100
36	M165A	Y	-9.865	-9.865	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	-5.784	-5.784	0	%100
43	M189A	Y	-9.865	-9.865	0	%100
44	M190A	Y	-9.865	-9.865	0	%100
45	M191A	Y	-9.865	-9.865	0	%100
46	MP3C	Y	-5.13	-5.13	0	%100
47	MP2C	Y	-5.851	-5.851	0	%100
48	MP1C	Y	-5.13	-5.13	0	%100
49	MP3B	Y	-5.13	-5.13	0	%100
50	MP2B	Y	-5.851	-5.851	0	%100
51	MP1B	Y	-5.13	-5.13	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	-5.851	0	%100
55	M115	Y	-7.825	-7.825	0	%100
56	M116	Y	-7.825	-7.825	0	%100
57	M117	Y	-7.825	-7.825	0	%100
58	OVP	Y	-5.13	-5.13	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-14.406	-14.406	0	%100
3	MP3A	X	0	0	0	%100
4	MP3A	Z	-10.282	-10.282	0	%100
5	MP4A	X	0	0	0	%100
6	MP4A	Z	-10.282	-10.282	0	%100
7	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

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,%]
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
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	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	-6.614	-6.614	0	%100
47	M150A	X	0	0	0	%100
48	M150A	Z	-6.966	-6.966	0	%100
49	M152A	X	0	0	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
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
60	M159A	Z	-6.494	-6.494	0	%100
61	M160A	X	0	0	0	%100
62	M160A	Z	-3.539	-3.539	0	%100
63	M161A	X	0	0	0	%100
64	M161A	Z	-14.154	-14.154	0	%100
65	M162A	X	0	0	0	%100
66	M162A	Z	-3.539	-3.539	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	-11.543	-11.543	0	%100
71	M165A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
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
81	M183A	X	0	0	0	%100
82	M183A	Z	-3.522	-3.522	0	%100
83	M185A	X	0	0	0	%100
84	M185A	Z	-14.43	-14.43	0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	-3.539	-3.539	0	%100
87	M190A	X	0	0	0	%100
88	M190A	Z	-14.154	-14.154	0	%100
89	M191A	X	0	0	0	%100
90	M191A	Z	-3.539	-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	0	%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
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	0	%100
110	M115	Z	-3.665	-3.665	0	%100
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 42 : Structure Wo (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
11	M109A	X	5.402	5.402	0	%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	0	0	%100
16	M118A	Z	0	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
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	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	0	%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
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	%100
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
49	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
60	M159A	Z	0	0	0	%100
61	M160A	X	5.308	5.308	0	%100
62	M160A	Z	-9.193	-9.193	0	%100
63	M161A	X	5.308	5.308	0	%100
64	M161A	Z	-9.193	-9.193	0	%100
65	M162A	X	0	0	0	%100
66	M162A	Z	0	0	0	%100
67	M163A	X	1.924	1.924	0	%100
68	M163A	Z	-3.332	-3.332	0	%100
69	M164A	X	1.924	1.924	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
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
73	M171A	X	.000338	.000338	0	%100
74	M171A	Z	-.000586	-.000586	0	%100
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
78	M177A	Z	-9.447	-9.447	0	%100
79	M179A	X	.000338	.000338	0	%100
80	M179A	Z	-.000586	-.000586	0	%100
81	M183A	X	5.369	5.369	0	%100
82	M183A	Z	-9.299	-9.299	0	%100
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
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))

	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

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	%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
18	MP4B	Z	-5.141	-5.141	0	%100
19	M127A	X	0	0	0	%100
20	M127A	Z	0	0	0	%100
21	M128A	X	5.728	5.728	0	%100
22	M128A	Z	-3.307	-3.307	0	%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
26	M132A	Z	-9.741	-9.741	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	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
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	0	%100
41	M145A	X	24.132	24.132	0	%100
42	M145A	Z	-13.933	-13.933	0	%100
43	M147A	X	16.871	16.871	0	%100
44	M147A	Z	-9.741	-9.741	0	%100
45	M148A	X	5.728	5.728	0	%100
46	M148A	Z	-3.307	-3.307	0	%100
47	M150A	X	6.033	6.033	0	%100
48	M150A	Z	-3.483	-3.483	0	%100
49	M152A	X	0	0	0	%100
50	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	0	%100
59	M159A	X	5.624	5.624	0	%100
60	M159A	Z	-3.247	-3.247	0	%100
61	M160A	X	12.258	12.258	0	%100
62	M160A	Z	-7.077	-7.077	0	%100
63	M161A	X	3.064	3.064	0	%100
64	M161A	Z	-1.769	-1.769	0	%100
65	M162A	X	3.064	3.064	0	%100
66	M162A	Z	-1.769	-1.769	0	%100
67	M163A	X	9.996	9.996	0	%100

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,%]
68	M163A	Z	-5.771	-5.771	0	%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
80	M179A	Z	-1.847	-1.847	0	%100
81	M183A	X	12.497	12.497	0	%100
82	M183A	Z	-7.215	-7.215	0	%100
83	M185A	X	3.051	3.051	0	%100
84	M185A	Z	-1.761	-1.761	0	%100
85	M189A	X	12.258	12.258	0	%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
90	M191A	Z	-1.769	-1.769	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	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 44 : Structure Wo (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	MP3A	X	10.282	10.282	0	%100
4	MP3A	Z	0	0	0	%100
5	MP4A	X	10.282	10.282	0	%100
6	MP4A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
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
10	MP1A	Z	0	0	0	%100
11	M109A	X	10.805	10.805	0	%100
12	M109A	Z	0	0	0	%100
13	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	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	6.494	6.494	0	%100
32	M137A	Z	0	0	0	%100
33	M138A	X	19.842	19.842	0	%100
34	M138A	Z	0	0	0	%100
35	M140A	X	20.899	20.899	0	%100
36	M140A	Z	0	0	0	%100
37	M142A	X	25.975	25.975	0	%100
38	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	X	20.899	20.899	0	%100
48	M150A	Z	0	0	0	%100
49	M152A	X	6.494	6.494	0	%100
50	M152A	Z	0	0	0	%100
51	M153A	X	19.842	19.842	0	%100
52	M153A	Z	0	0	0	%100
53	M155A	X	20.899	20.899	0	%100
54	M155A	Z	0	0	0	%100
55	M157A	X	19.481	19.481	0	%100
56	M157A	Z	0	0	0	%100
57	M158A	X	0	0	0	%100
58	M158A	Z	0	0	0	%100
59	M159A	X	19.481	19.481	0	%100
60	M159A	Z	0	0	0	%100
61	M160A	X	10.616	10.616	0	%100
62	M160A	Z	0	0	0	%100
63	M161A	X	0	0	0	%100
64	M161A	Z	0	0	0	%100
65	M162A	X	10.616	10.616	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
66	M162A	Z	0	0	0	%100
67	M163A	X	15.39	15.39	0	%100
68	M163A	Z	0	0	0	%100
69	M164A	X	3.848	3.848	0	%100
70	M164A	Z	0	0	0	%100
71	M165A	X	3.848	3.848	0	%100
72	M165A	Z	0	0	0	%100
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
91	MP3C	X	10.282	10.282	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	12.446	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
100	MP2B	Z	0	0	0	%100
101	MP1B	X	10.282	10.282	0	%100
102	MP1B	Z	0	0	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M109	X	9.335	9.335	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	9.335	9.335	0	%100
108	M114	Z	0	0	0	%100
109	M115	X	10.995	10.995	0	%100
110	M115	Z	0	0	0	%100
111	M116	X	10.995	10.995	0	%100
112	M116	Z	0	0	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
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,%]
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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
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
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
16	M118A	Z	7.203	7.203	0	%100
17	MP4B	X	8.904	8.904	0	%100
18	MP4B	Z	5.141	5.141	0	%100
19	M127A	X	16.871	16.871	0	%100
20	M127A	Z	9.741	9.741	0	%100
21	M128A	X	5.728	5.728	0	%100
22	M128A	Z	3.307	3.307	0	%100
23	M130A	X	6.033	6.033	0	%100
24	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	0	%100
37	M142A	X	16.871	16.871	0	%100
38	M142A	Z	9.741	9.741	0	%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	0	%100
42	M145A	Z	3.483	3.483	0	%100
43	M147A	X	16.871	16.871	0	%100
44	M147A	Z	9.741	9.741	0	%100
45	M148A	X	22.912	22.912	0	%100
46	M148A	Z	13.228	13.228	0	%100
47	M150A	X	24.132	24.132	0	%100
48	M150A	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
60	M159A	Z	12.988	12.988	0	%100
61	M160A	X	3.064	3.064	0	%100
62	M160A	Z	1.769	1.769	0	%100
63	M161A	X	3.064	3.064	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
64	M161A	Z	1.769	1.769	0	%100
65	M162A	X	12.258	12.258	0	%100
66	M162A	Z	7.077	7.077	0	%100
67	M163A	X	9.996	9.996	0	%100
68	M163A	Z	5.771	5.771	0	%100
69	M164A	X	9.996	9.996	0	%100
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
79	M179A	X	12.497	12.497	0	%100
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
108	M114	Z	6.223	6.223	0	%100
109	M115	X	3.174	3.174	0	%100
110	M115	Z	1.833	1.833	0	%100
111	M116	X	12.696	12.696	0	%100
112	M116	Z	7.33	7.33	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 46 : Structure Wo (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.402	5.402	0	%100
2	M1	Z	9.357	9.357	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
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	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
56	M157A	Z	0	0	0	%100
57	M158A	X	9.741	9.741	0	%100
58	M158A	Z	16.871	16.871	0	%100
59	M159A	X	9.741	9.741	0	%100
60	M159A	Z	16.871	16.871	0	%100
61	M160A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
62	M160A	Z	0	0	0	%100
63	M161A	X	5.308	5.308	0	%100
64	M161A	Z	9.193	9.193	0	%100
65	M162A	X	5.308	5.308	0	%100
66	M162A	Z	9.193	9.193	0	%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
71	M165A	X	1.924	1.924	0	%100
72	M165A	Z	3.332	3.332	0	%100
73	M171A	X	5.454	5.454	0	%100
74	M171A	Z	9.447	9.447	0	%100
75	M173A	X	.000338	.000338	0	%100
76	M173A	Z	.000586	.000586	0	%100
77	M177A	X	5.369	5.369	0	%100
78	M177A	Z	9.299	9.299	0	%100
79	M179A	X	5.369	5.369	0	%100
80	M179A	Z	9.299	9.299	0	%100
81	M183A	X	.000338	.000338	0	%100
82	M183A	Z	.000586	.000586	0	%100
83	M185A	X	5.454	5.454	0	%100
84	M185A	Z	9.447	9.447	0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	0	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	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	0	0	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	4.667	4.667	0	%100
108	M114	Z	8.084	8.084	0	%100
109	M115	X	0	0	0	%100
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

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,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	14.406	14.406	0	%100
3	MP3A	X	0	0	0	%100
4	MP3A	Z	10.282	10.282	0	%100
5	MP4A	X	0	0	0	%100
6	MP4A	Z	10.282	10.282	0	%100
7	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
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	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	6.614	6.614	0	%100
47	M150A	X	0	0	0	%100
48	M150A	Z	6.966	6.966	0	%100
49	M152A	X	0	0	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
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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	6.494	6.494	0	%100
61	M160A	X	0	0	0	%100
62	M160A	Z	3.539	3.539	0	%100
63	M161A	X	0	0	0	%100
64	M161A	Z	14.154	14.154	0	%100
65	M162A	X	0	0	0	%100
66	M162A	Z	3.539	3.539	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	11.543	11.543	0	%100
71	M165A	X	0	0	0	%100
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
81	M183A	X	0	0	0	%100
82	M183A	Z	3.522	3.522	0	%100
83	M185A	X	0	0	0	%100
84	M185A	Z	14.43	14.43	0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	3.539	3.539	0	%100
87	M190A	X	0	0	0	%100
88	M190A	Z	14.154	14.154	0	%100
89	M191A	X	0	0	0	%100
90	M191A	Z	3.539	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	0	%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
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	0	%100
110	M115	Z	3.665	3.665	0	%100
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))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/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	-5.402	-5.402	0	%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	0	0	%100
16	M118A	Z	0	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
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	-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	0	%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
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	%100
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
49	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	0	0	0	%100
61	M160A	X	-5.308	-5.308	0	%100
62	M160A	Z	9.193	9.193	0	%100
63	M161A	X	-5.308	-5.308	0	%100
64	M161A	Z	9.193	9.193	0	%100
65	M162A	X	0	0	0	%100
66	M162A	Z	0	0	0	%100
67	M163A	X	-1.924	-1.924	0	%100
68	M163A	Z	3.332	3.332	0	%100
69	M164A	X	-1.924	-1.924	0	%100
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
73	M171A	X	-.000338	-.000338	0	%100
74	M171A	Z	.000586	.000586	0	%100
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
78	M177A	Z	9.447	9.447	0	%100
79	M179A	X	-.000338	-.000338	0	%100
80	M179A	Z	.000586	.000586	0	%100
81	M183A	X	-5.369	-5.369	0	%100
82	M183A	Z	9.299	9.299	0	%100
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
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 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
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	%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
18	MP4B	Z	5.141	5.141	0	%100
19	M127A	X	0	0	0	%100
20	M127A	Z	0	0	0	%100
21	M128A	X	-5.728	-5.728	0	%100
22	M128A	Z	3.307	3.307	0	%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
26	M132A	Z	9.741	9.741	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	-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
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	0	%100
41	M145A	X	-24.132	-24.132	0	%100
42	M145A	Z	13.933	13.933	0	%100
43	M147A	X	-16.871	-16.871	0	%100
44	M147A	Z	9.741	9.741	0	%100
45	M148A	X	-5.728	-5.728	0	%100
46	M148A	Z	3.307	3.307	0	%100
47	M150A	X	-6.033	-6.033	0	%100
48	M150A	Z	3.483	3.483	0	%100
49	M152A	X	0	0	0	%100
50	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	0	%100
59	M159A	X	-5.624	-5.624	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	3.247	3.247	0	%100
61	M160A	X	-12.258	-12.258	0	%100
62	M160A	Z	7.077	7.077	0	%100
63	M161A	X	-3.064	-3.064	0	%100
64	M161A	Z	1.769	1.769	0	%100
65	M162A	X	-3.064	-3.064	0	%100
66	M162A	Z	1.769	1.769	0	%100
67	M163A	X	-9.996	-9.996	0	%100
68	M163A	Z	5.771	5.771	0	%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
80	M179A	Z	1.847	1.847	0	%100
81	M183A	X	-12.497	-12.497	0	%100
82	M183A	Z	7.215	7.215	0	%100
83	M185A	X	-3.051	-3.051	0	%100
84	M185A	Z	1.761	1.761	0	%100
85	M189A	X	-12.258	-12.258	0	%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
90	M191A	Z	1.769	1.769	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	-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))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	MP3A	X	-10.282	-10.282	0	%100
4	MP3A	Z	0	0	0	%100
5	MP4A	X	-10.282	-10.282	0	%100
6	MP4A	Z	0	0	0	%100
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
10	MP1A	Z	0	0	0	%100
11	M109A	X	-10.805	-10.805	0	%100
12	M109A	Z	0	0	0	%100
13	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	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	-6.494	-6.494	0	%100
32	M137A	Z	0	0	0	%100
33	M138A	X	-19.842	-19.842	0	%100
34	M138A	Z	0	0	0	%100
35	M140A	X	-20.899	-20.899	0	%100
36	M140A	Z	0	0	0	%100
37	M142A	X	-25.975	-25.975	0	%100
38	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	X	-20.899	-20.899	0	%100
48	M150A	Z	0	0	0	%100
49	M152A	X	-6.494	-6.494	0	%100
50	M152A	Z	0	0	0	%100
51	M153A	X	-19.842	-19.842	0	%100
52	M153A	Z	0	0	0	%100
53	M155A	X	-20.899	-20.899	0	%100
54	M155A	Z	0	0	0	%100
55	M157A	X	-19.481	-19.481	0	%100
56	M157A	Z	0	0	0	%100
57	M158A	X	0	0	0	%100
58	M158A	Z	0	0	0	%100
59	M159A	X	-19.481	-19.481	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	0	0	0	%100
61	M160A	X	-10.616	-10.616	0	%100
62	M160A	Z	0	0	0	%100
63	M161A	X	0	0	0	%100
64	M161A	Z	0	0	0	%100
65	M162A	X	-10.616	-10.616	0	%100
66	M162A	Z	0	0	0	%100
67	M163A	X	-15.39	-15.39	0	%100
68	M163A	Z	0	0	0	%100
69	M164A	X	-3.848	-3.848	0	%100
70	M164A	Z	0	0	0	%100
71	M165A	X	-3.848	-3.848	0	%100
72	M165A	Z	0	0	0	%100
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
91	MP3C	X	-10.282	-10.282	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	-12.446	-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
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-10.282	-10.282	0	%100
102	MP1B	Z	0	0	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M109	X	-9.335	-9.335	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	-9.335	-9.335	0	%100
108	M114	Z	0	0	0	%100
109	M115	X	-10.995	-10.995	0	%100
110	M115	Z	0	0	0	%100
111	M116	X	-10.995	-10.995	0	%100
112	M116	Z	0	0	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	-8.408	-8.408	0	%100
116	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
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
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
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
16	M118A	Z	-7.203	-7.203	0	%100
17	MP4B	X	-8.904	-8.904	0	%100
18	MP4B	Z	-5.141	-5.141	0	%100
19	M127A	X	-16.871	-16.871	0	%100
20	M127A	Z	-9.741	-9.741	0	%100
21	M128A	X	-5.728	-5.728	0	%100
22	M128A	Z	-3.307	-3.307	0	%100
23	M130A	X	-6.033	-6.033	0	%100
24	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	0	%100
37	M142A	X	-16.871	-16.871	0	%100
38	M142A	Z	-9.741	-9.741	0	%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	0	%100
42	M145A	Z	-3.483	-3.483	0	%100
43	M147A	X	-16.871	-16.871	0	%100
44	M147A	Z	-9.741	-9.741	0	%100
45	M148A	X	-22.912	-22.912	0	%100
46	M148A	Z	-13.228	-13.228	0	%100
47	M150A	X	-24.132	-24.132	0	%100
48	M150A	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	-12.988	-12.988	0	%100
61	M160A	X	-3.064	-3.064	0	%100
62	M160A	Z	-1.769	-1.769	0	%100
63	M161A	X	-3.064	-3.064	0	%100
64	M161A	Z	-1.769	-1.769	0	%100
65	M162A	X	-12.258	-12.258	0	%100
66	M162A	Z	-7.077	-7.077	0	%100
67	M163A	X	-9.996	-9.996	0	%100
68	M163A	Z	-5.771	-5.771	0	%100
69	M164A	X	-9.996	-9.996	0	%100
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
79	M179A	X	-12.497	-12.497	0	%100
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
108	M114	Z	-6.223	-6.223	0	%100
109	M115	X	-3.174	-3.174	0	%100
110	M115	Z	-1.833	-1.833	0	%100
111	M116	X	-12.696	-12.696	0	%100
112	M116	Z	-7.33	-7.33	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 52 : Structure Wo (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.402	-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	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
56	M157A	Z	0	0	0	%100
57	M158A	X	-9.741	-9.741	0	%100
58	M158A	Z	-16.871	-16.871	0	%100
59	M159A	X	-9.741	-9.741	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	-16.871	-16.871	0	%100
61	M160A	X	0	0	0	%100
62	M160A	Z	0	0	0	%100
63	M161A	X	-5.308	-5.308	0	%100
64	M161A	Z	-9.193	-9.193	0	%100
65	M162A	X	-5.308	-5.308	0	%100
66	M162A	Z	-9.193	-9.193	0	%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
71	M165A	X	-1.924	-1.924	0	%100
72	M165A	Z	-3.332	-3.332	0	%100
73	M171A	X	-5.454	-5.454	0	%100
74	M171A	Z	-9.447	-9.447	0	%100
75	M173A	X	-.000338	-.000338	0	%100
76	M173A	Z	-.000586	-.000586	0	%100
77	M177A	X	-5.369	-5.369	0	%100
78	M177A	Z	-9.299	-9.299	0	%100
79	M179A	X	-5.369	-5.369	0	%100
80	M179A	Z	-9.299	-9.299	0	%100
81	M183A	X	-.000338	-.000338	0	%100
82	M183A	Z	-.000586	-.000586	0	%100
83	M185A	X	-5.454	-5.454	0	%100
84	M185A	Z	-9.447	-9.447	0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	0	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	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	0	0	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	-4.667	-4.667	0	%100
108	M114	Z	-8.084	-8.084	0	%100
109	M115	X	0	0	0	%100
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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-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	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
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
52	M153A	Z	-1.407	-1.407	0	%100
53	M155A	X	0	0	0	%100
54	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
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
112	M116	Z	-.937	-.937	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	-3.748	-3.748	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	-2.914	-2.914	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	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
14	MP4C	Z	-3.083	-3.083	0	%100
15	M118A	X	0	0	0	%100
16	M118A	Z	0	0	0	%100
17	MP4B	X	1.78	1.78	0	%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	-3.815	0	%100
25	M132A	X	2.773	2.773	0	%100
26	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	0	%100
41	M145A	X	2.202	2.202	0	%100
42	M145A	Z	-3.815	-3.815	0	%100
43	M147A	X	.693	.693	0	%100
44	M147A	Z	-1.201	-1.201	0	%100
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
49	M152A	X	.693	.693	0	%100
50	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

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
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
69	M164A	X	.556	.556	0	%100
70	M164A	Z	-.963	-.963	0	%100
71	M165A	X	2.224	2.224	0	%100
72	M165A	Z	-3.851	-3.851	0	%100
73	M171A	X	9.7e-5	9.7e-5	0	%100
74	M171A	Z	-.000169	-.000169	0	%100
75	M173A	X	1.571	1.571	0	%100
76	M173A	Z	-2.721	-2.721	0	%100
77	M177A	X	1.571	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	0	%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	%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
94	MP2C	Z	-3.409	-3.409	0	%100
95	MP1C	X	1.78	1.78	0	%100
96	MP1C	Z	-3.083	-3.083	0	%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
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	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	0	%100
109	M115	X	1.406	1.406	0	%100
110	M115	Z	-2.434	-2.434	0	%100
111	M116	X	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.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
11	M109A	X	3.815	3.815	0	%100
12	M109A	Z	-2.203	-2.203	0	%100
13	MP4C	X	3.083	3.083	0	%100
14	MP4C	Z	-1.78	-1.78	0	%100
15	M118A	X	.954	.954	0	%100
16	M118A	Z	-.551	-.551	0	%100
17	MP4B	X	3.083	3.083	0	%100
18	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	0	%100
53	M155A	X	1.272	1.272	0	%100
54	M155A	Z	-.734	-.734	0	%100
55	M157A	X	4.89	4.89	0	%100
56	M157A	Z	-2.823	-2.823	0	%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

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,%]
60	M159A	Z	-.706	-.706	0	%100
61	M160A	X	3.297	3.297	0	%100
62	M160A	Z	-1.904	-1.904	0	%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
84	M185A	Z	-.507	-.507	0	%100
85	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	%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
102	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
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	%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	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	M145A	X	4.405	4.405	0	%100
42	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	X	0	0	0	%100
58	M158A	Z	0	0	0	%100
59	M159A	X	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
61	M160A	X	2.855	2.855	0	%100
62	M160A	Z	0	0	0	%100
63	M161A	X	0	0	0	%100
64	M161A	Z	0	0	0	%100
65	M162A	X	2.855	2.855	0	%100
66	M162A	Z	0	0	0	%100
67	M163A	X	4.447	4.447	0	%100
68	M163A	Z	0	0	0	%100
69	M164A	X	1.112	1.112	0	%100
70	M164A	Z	0	0	0	%100
71	M165A	X	1.112	1.112	0	%100
72	M165A	Z	0	0	0	%100
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
77	M177A	X	.000195	.000195	0	%100
78	M177A	Z	0	0	0	%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
85	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
101	MP1B	X	3.56	3.56	0	%100
102	MP1B	Z	0	0	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	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	Z	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.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
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	0	%100
47	M150A	X	5.086	5.086	0	%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	0	%100
51	M153A	X	4.874	4.874	0	%100
52	M153A	Z	2.814	2.814	0	%100
53	M155A	X	5.086	5.086	0	%100
54	M155A	Z	2.937	2.937	0	%100
55	M157A	X	1.222	1.222	0	%100
56	M157A	Z	.706	.706	0	%100
57	M158A	X	1.222	1.222	0	%100
58	M158A	Z	.706	.706	0	%100
59	M159A	X	4.89	4.89	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	2.823	2.823	0	%100
61	M160A	X	.824	.824	0	%100
62	M160A	Z	.476	.476	0	%100
63	M161A	X	.824	.824	0	%100
64	M161A	Z	.476	.476	0	%100
65	M162A	X	3.297	3.297	0	%100
66	M162A	Z	1.904	1.904	0	%100
67	M163A	X	2.888	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
72	M165A	Z	0	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	%100
76	M173A	Z	.507	.507	0	%100
77	M177A	X	.879	.879	0	%100
78	M177A	Z	.507	.507	0	%100
79	M179A	X	3.599	3.599	0	%100
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
100	MP2B	Z	1.968	1.968	0	%100
101	MP1B	X	3.083	3.083	0	%100
102	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	.852	.852	0	%100
106	M109	Z	.492	.492	0	%100
107	M114	X	3.409	3.409	0	%100
108	M114	Z	1.968	1.968	0	%100
109	M115	X	.811	.811	0	%100
110	M115	Z	.469	.469	0	%100
111	M116	X	3.246	3.246	0	%100
112	M116	Z	1.874	1.874	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.652	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	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	0	%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
30	M135A	Z	3.815	3.815	0	%100
31	M137A	X	.693	.693	0	%100
32	M137A	Z	1.201	1.201	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	.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
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
54	M155A	Z	3.815	3.815	0	%100
55	M157A	X	0	0	0	%100
56	M157A	Z	0	0	0	%100
57	M158A	X	2.117	2.117	0	%100
58	M158A	Z	3.667	3.667	0	%100
59	M159A	X	2.117	2.117	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	3.667	3.667	0	%100
61	M160A	X	0	0	0	%100
62	M160A	Z	0	0	0	%100
63	M161A	X	1.428	1.428	0	%100
64	M161A	Z	2.473	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
68	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	%100
78	M177A	Z	2.678	2.678	0	%100
79	M179A	X	1.546	1.546	0	%100
80	M179A	Z	2.678	2.678	0	%100
81	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	0	%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	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
94	MP2C	Z	3.409	3.409	0	%100
95	MP1C	X	1.78	1.78	0	%100
96	MP1C	Z	3.083	3.083	0	%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
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	0	%100
109	M115	X	0	0	0	%100
110	M115	Z	0	0	0	%100
111	M116	X	1.406	1.406	0	%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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	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	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
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
52	M153A	Z	1.407	1.407	0	%100
53	M155A	X	0	0	0	%100
54	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
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
112	M116	Z	.937	.937	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	3.748	3.748	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	2.914	2.914	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-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
14	MP4C	Z	3.083	3.083	0	%100
15	M118A	X	0	0	0	%100
16	M118A	Z	0	0	0	%100
17	MP4B	X	-1.78	-1.78	0	%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	3.815	0	%100
25	M132A	X	-2.773	-2.773	0	%100
26	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	0	%100
41	M145A	X	-2.202	-2.202	0	%100
42	M145A	Z	3.815	3.815	0	%100
43	M147A	X	-.693	-.693	0	%100
44	M147A	Z	1.201	1.201	0	%100
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
49	M152A	X	-.693	-.693	0	%100
50	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

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
69	M164A	X	-.556	-.556	0	%100
70	M164A	Z	.963	.963	0	%100
71	M165A	X	-2.224	-2.224	0	%100
72	M165A	Z	3.851	3.851	0	%100
73	M171A	X	-9.7e-5	-9.7e-5	0	%100
74	M171A	Z	.000169	.000169	0	%100
75	M173A	X	-1.571	-1.571	0	%100
76	M173A	Z	2.721	2.721	0	%100
77	M177A	X	-1.571	-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	0	%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	%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
94	MP2C	Z	3.409	3.409	0	%100
95	MP1C	X	-1.78	-1.78	0	%100
96	MP1C	Z	3.083	3.083	0	%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
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	-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	0	%100
109	M115	X	-1.406	-1.406	0	%100
110	M115	Z	2.434	2.434	0	%100
111	M116	X	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.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
11	M109A	X	-3.815	-3.815	0	%100
12	M109A	Z	2.203	2.203	0	%100
13	MP4C	X	-3.083	-3.083	0	%100
14	MP4C	Z	1.78	1.78	0	%100
15	M118A	X	-.954	-.954	0	%100
16	M118A	Z	.551	.551	0	%100
17	MP4B	X	-3.083	-3.083	0	%100
18	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	0	%100
53	M155A	X	-1.272	-1.272	0	%100
54	M155A	Z	.734	.734	0	%100
55	M157A	X	-4.89	-4.89	0	%100
56	M157A	Z	2.823	2.823	0	%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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	.706	.706	0	%100
61	M160A	X	-3.297	-3.297	0	%100
62	M160A	Z	1.904	1.904	0	%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
84	M185A	Z	.507	.507	0	%100
85	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	%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
102	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
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	%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	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	M145A	X	-4.405	-4.405	0	%100
42	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	X	0	0	0	%100
58	M158A	Z	0	0	0	%100
59	M159A	X	-4.235	-4.235	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	0	0	0	%100
61	M160A	X	-2.855	-2.855	0	%100
62	M160A	Z	0	0	0	%100
63	M161A	X	0	0	0	%100
64	M161A	Z	0	0	0	%100
65	M162A	X	-2.855	-2.855	0	%100
66	M162A	Z	0	0	0	%100
67	M163A	X	-4.447	-4.447	0	%100
68	M163A	Z	0	0	0	%100
69	M164A	X	-1.112	-1.112	0	%100
70	M164A	Z	0	0	0	%100
71	M165A	X	-1.112	-1.112	0	%100
72	M165A	Z	0	0	0	%100
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
77	M177A	X	-.000195	-.000195	0	%100
78	M177A	Z	0	0	0	%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
85	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
101	MP1B	X	-3.56	-3.56	0	%100
102	MP1B	Z	0	0	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	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	Z	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.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
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	0	%100
47	M150A	X	-5.086	-5.086	0	%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	0	%100
51	M153A	X	-4.874	-4.874	0	%100
52	M153A	Z	-2.814	-2.814	0	%100
53	M155A	X	-5.086	-5.086	0	%100
54	M155A	Z	-2.937	-2.937	0	%100
55	M157A	X	-1.222	-1.222	0	%100
56	M157A	Z	-.706	-.706	0	%100
57	M158A	X	-1.222	-1.222	0	%100
58	M158A	Z	-.706	-.706	0	%100
59	M159A	X	-4.89	-4.89	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	-2.823	-2.823	0	%100
61	M160A	X	-.824	-.824	0	%100
62	M160A	Z	-.476	-.476	0	%100
63	M161A	X	-.824	-.824	0	%100
64	M161A	Z	-.476	-.476	0	%100
65	M162A	X	-3.297	-3.297	0	%100
66	M162A	Z	-1.904	-1.904	0	%100
67	M163A	X	-2.888	-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
72	M165A	Z	0	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	%100
76	M173A	Z	-.507	-.507	0	%100
77	M177A	X	-.879	-.879	0	%100
78	M177A	Z	-.507	-.507	0	%100
79	M179A	X	-3.599	-3.599	0	%100
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
100	MP2B	Z	-1.968	-1.968	0	%100
101	MP1B	X	-3.083	-3.083	0	%100
102	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	-.852	-.852	0	%100
106	M109	Z	-.492	-.492	0	%100
107	M114	X	-3.409	-3.409	0	%100
108	M114	Z	-1.968	-1.968	0	%100
109	M115	X	-.811	-.811	0	%100
110	M115	Z	-.469	-.469	0	%100
111	M116	X	-3.246	-3.246	0	%100
112	M116	Z	-1.874	-1.874	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.652	-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	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	0	%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
30	M135A	Z	-3.815	-3.815	0	%100
31	M137A	X	-.693	-.693	0	%100
32	M137A	Z	-1.201	-1.201	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	-.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
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
54	M155A	Z	-3.815	-3.815	0	%100
55	M157A	X	0	0	0	%100
56	M157A	Z	0	0	0	%100
57	M158A	X	-2.117	-2.117	0	%100
58	M158A	Z	-3.667	-3.667	0	%100
59	M159A	X	-2.117	-2.117	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	-3.667	-3.667	0	%100
61	M160A	X	0	0	0	%100
62	M160A	Z	0	0	0	%100
63	M161A	X	-1.428	-1.428	0	%100
64	M161A	Z	-2.473	-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
68	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	%100
78	M177A	Z	-2.678	-2.678	0	%100
79	M179A	X	-1.546	-1.546	0	%100
80	M179A	Z	-2.678	-2.678	0	%100
81	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	0	%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	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
94	MP2C	Z	-3.409	-3.409	0	%100
95	MP1C	X	-1.78	-1.78	0	%100
96	MP1C	Z	-3.083	-3.083	0	%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
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	0	%100
109	M115	X	0	0	0	%100
110	M115	Z	0	0	0	%100
111	M116	X	-1.406	-1.406	0	%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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.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	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	-.778	-.778	0	%100
9	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	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
28	M133A	Z	-1.654	-1.654	0	%100
29	M135A	X	0	0	0	%100
30	M135A	Z	-1.742	-1.742	0	%100
31	M137A	X	0	0	0	%100
32	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
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
50	M152A	Z	-1.218	-1.218	0	%100
51	M153A	X	0	0	0	%100
52	M153A	Z	-.413	-.413	0	%100
53	M155A	X	0	0	0	%100
54	M155A	Z	-.435	-.435	0	%100
55	M157A	X	0	0	0	%100
56	M157A	Z	-.406	-.406	0	%100
57	M158A	X	0	0	0	%100
58	M158A	Z	-1.623	-1.623	0	%100
59	M159A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	-.406	-.406	0	%100
61	M160A	X	0	0	0	%100
62	M160A	Z	-.221	-.221	0	%100
63	M161A	X	0	0	0	%100
64	M161A	Z	-.885	-.885	0	%100
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
79	M179A	X	0	0	0	%100
80	M179A	Z	-.22	-.22	0	%100
81	M183A	X	0	0	0	%100
82	M183A	Z	-.22	-.22	0	%100
83	M185A	X	0	0	0	%100
84	M185A	Z	-.902	-.902	0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	-.221	-.221	0	%100
87	M190A	X	0	0	0	%100
88	M190A	Z	-.885	-.885	0	%100
89	M191A	X	0	0	0	%100
90	M191A	Z	-.221	-.221	0	%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
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.643	-.643	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-.778	-.778	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	-.194	-.194	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	-.194	-.194	0	%100
109	M115	X	0	0	0	%100
110	M115	Z	-.229	-.229	0	%100
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 66 : Structure Wm (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.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
14	MP4C	Z	-.557	-.557	0	%100
15	M118A	X	0	0	0	%100
16	M118A	Z	0	0	0	%100
17	MP4B	X	.321	.321	0	%100
18	MP4B	Z	-.557	-.557	0	%100
19	M127A	X	.203	.203	0	%100
20	M127A	Z	-.351	-.351	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	.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	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
46	M148A	Z	0	0	0	%100
47	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
59	M159A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	0	0	0	%100
61	M160A	X	.332	.332	0	%100
62	M160A	Z	-.575	-.575	0	%100
63	M161A	X	.332	.332	0	%100
64	M161A	Z	-.575	-.575	0	%100
65	M162A	X	0	0	0	%100
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
79	M179A	X	2.1e-5	2.1e-5	0	%100
80	M179A	Z	-3.7e-5	-3.7e-5	0	%100
81	M183A	X	.336	.336	0	%100
82	M183A	Z	-.581	-.581	0	%100
83	M185A	X	.336	.336	0	%100
84	M185A	Z	-.581	-.581	0	%100
85	M189A	X	.332	.332	0	%100
86	M189A	Z	-.575	-.575	0	%100
87	M190A	X	.332	.332	0	%100
88	M190A	Z	-.575	-.575	0	%100
89	M191A	X	0	0	0	%100
90	M191A	Z	0	0	0	%100
91	MP3C	X	.321	.321	0	%100
92	MP3C	Z	-.557	-.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
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	.292	.292	0	%100
106	M109	Z	-.505	-.505	0	%100
107	M114	X	0	0	0	%100
108	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	0	0	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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.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 67 : Structure Wm (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	-.203	-.203	0	%100
61	M160A	X	.766	.766	0	%100
62	M160A	Z	-.442	-.442	0	%100
63	M161A	X	.192	.192	0	%100
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
75	M173A	X	.781	.781	0	%100
76	M173A	Z	-.451	-.451	0	%100
77	M177A	X	.2	.2	0	%100
78	M177A	Z	-.115	-.115	0	%100
79	M179A	X	.2	.2	0	%100
80	M179A	Z	-.115	-.115	0	%100
81	M183A	X	.781	.781	0	%100
82	M183A	Z	-.451	-.451	0	%100
83	M185A	X	.191	.191	0	%100
84	M185A	Z	-.11	-.11	0	%100
85	M189A	X	.766	.766	0	%100
86	M189A	Z	-.442	-.442	0	%100
87	M190A	X	.192	.192	0	%100
88	M190A	Z	-.111	-.111	0	%100
89	M191A	X	.192	.192	0	%100
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	MP3B	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
103	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
107	M114	X	.168	.168	0	%100
108	M114	Z	-.097	-.097	0	%100
109	M115	X	.794	.794	0	%100
110	M115	Z	-.458	-.458	0	%100
111	M116	X	.198	.198	0	%100
112	M116	Z	-.115	-.115	0	%100
113	M117	X	.198	.198	0	%100
114	M117	Z	-.115	-.115	0	%100
115	OVP	X	.455	.455	0	%100
116	OVP	Z	-.263	-.263	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	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
18	MP4B	Z	0	0	0	%100
19	M127A	X	.406	.406	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	.406	.406	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	.406	.406	0	%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
36	M140A	Z	0	0	0	%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
40	M143A	Z	0	0	0	%100
41	M145A	X	1.306	1.306	0	%100
42	M145A	Z	0	0	0	%100
43	M147A	X	1.623	1.623	0	%100
44	M147A	Z	0	0	0	%100
45	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	0	%100
58	M158A	Z	0	0	0	%100
59	M159A	X	1.218	1.218	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	0	0	0	%100
61	M160A	X	.663	.663	0	%100
62	M160A	Z	0	0	0	%100
63	M161A	X	0	0	0	%100
64	M161A	Z	0	0	0	%100
65	M162A	X	.663	.663	0	%100
66	M162A	Z	0	0	0	%100
67	M163A	X	.962	.962	0	%100
68	M163A	Z	0	0	0	%100
69	M164A	X	.24	.24	0	%100
70	M164A	Z	0	0	0	%100
71	M165A	X	.24	.24	0	%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	0	%100
76	M173A	Z	0	0	0	%100
77	M177A	X	4.2e-5	4.2e-5	0	%100
78	M177A	Z	0	0	0	%100
79	M179A	X	.682	.682	0	%100
80	M179A	Z	0	0	0	%100
81	M183A	X	.682	.682	0	%100
82	M183A	Z	0	0	0	%100
83	M185A	X	4.2e-5	4.2e-5	0	%100
84	M185A	Z	0	0	0	%100
85	M189A	X	.663	.663	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	.663	.663	0	%100
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	%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
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	.525	.525	0	%100
116	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.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
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	%100
16	M118A	Z	.45	.45	0	%100
17	MP4B	X	.557	.557	0	%100
18	MP4B	Z	.321	.321	0	%100
19	M127A	X	1.054	1.054	0	%100
20	M127A	Z	.609	.609	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	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
49	M152A	X	1.054	1.054	0	%100
50	M152A	Z	.609	.609	0	%100
51	M153A	X	1.432	1.432	0	%100
52	M153A	Z	.827	.827	0	%100
53	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
58	M158A	Z	.203	.203	0	%100
59	M159A	X	1.406	1.406	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	.812	.812	0	%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
67	M163A	X	.625	.625	0	%100
68	M163A	Z	.361	.361	0	%100
69	M164A	X	.625	.625	0	%100
70	M164A	Z	.361	.361	0	%100
71	M165A	X	0	0	0	%100
72	M165A	Z	0	0	0	%100
73	M171A	X	.781	.781	0	%100
74	M171A	Z	.451	.451	0	%100
75	M173A	X	.191	.191	0	%100
76	M173A	Z	.11	.11	0	%100
77	M177A	X	.191	.191	0	%100
78	M177A	Z	.11	.11	0	%100
79	M179A	X	.781	.781	0	%100
80	M179A	Z	.451	.451	0	%100
81	M183A	X	.2	.2	0	%100
82	M183A	Z	.115	.115	0	%100
83	M185A	X	.2	.2	0	%100
84	M185A	Z	.115	.115	0	%100
85	M189A	X	.192	.192	0	%100
86	M189A	Z	.111	.111	0	%100
87	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
100	MP2B	Z	.389	.389	0	%100
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
108	M114	Z	.389	.389	0	%100
109	M115	X	.198	.198	0	%100
110	M115	Z	.115	.115	0	%100
111	M116	X	.794	.794	0	%100
112	M116	Z	.458	.458	0	%100
113	M117	X	.198	.198	0	%100
114	M117	Z	.115	.115	0	%100
115	OVP	X	.455	.455	0	%100
116	OVP	Z	.263	.263	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.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	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	0	%100
53	M155A	X	.653	.653	0	%100
54	M155A	Z	1.131	1.131	0	%100
55	M157A	X	0	0	0	%100
56	M157A	Z	0	0	0	%100
57	M158A	X	.609	.609	0	%100
58	M158A	Z	1.054	1.054	0	%100
59	M159A	X	.609	.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	1.054	1.054	0	%100
61	M160A	X	0	0	0	%100
62	M160A	Z	0	0	0	%100
63	M161A	X	.332	.332	0	%100
64	M161A	Z	.575	.575	0	%100
65	M162A	X	.332	.332	0	%100
66	M162A	Z	.575	.575	0	%100
67	M163A	X	.12	.12	0	%100
68	M163A	Z	.208	.208	0	%100
69	M164A	X	.481	.481	0	%100
70	M164A	Z	.833	.833	0	%100
71	M165A	X	.12	.12	0	%100
72	M165A	Z	.208	.208	0	%100
73	M171A	X	.341	.341	0	%100
74	M171A	Z	.59	.59	0	%100
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
84	M185A	Z	.59	.59	0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	0	0	0	%100
87	M190A	X	.332	.332	0	%100
88	M190A	Z	.575	.575	0	%100
89	M191A	X	.332	.332	0	%100
90	M191A	Z	.575	.575	0	%100
91	MP3C	X	.321	.321	0	%100
92	MP3C	Z	.557	.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
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	0	0	%100
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

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	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	.778	.778	0	%100
9	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	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
28	M133A	Z	1.654	1.654	0	%100
29	M135A	X	0	0	0	%100
30	M135A	Z	1.742	1.742	0	%100
31	M137A	X	0	0	0	%100
32	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
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
50	M152A	Z	1.218	1.218	0	%100
51	M153A	X	0	0	0	%100
52	M153A	Z	.413	.413	0	%100
53	M155A	X	0	0	0	%100
54	M155A	Z	.435	.435	0	%100
55	M157A	X	0	0	0	%100
56	M157A	Z	.406	.406	0	%100
57	M158A	X	0	0	0	%100
58	M158A	Z	1.623	1.623	0	%100
59	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,%]
60	M159A	Z	.406	.406	0	%100
61	M160A	X	0	0	0	%100
62	M160A	Z	.221	.221	0	%100
63	M161A	X	0	0	0	%100
64	M161A	Z	.885	.885	0	%100
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
79	M179A	X	0	0	0	%100
80	M179A	Z	.22	.22	0	%100
81	M183A	X	0	0	0	%100
82	M183A	Z	.22	.22	0	%100
83	M185A	X	0	0	0	%100
84	M185A	Z	.902	.902	0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	.221	.221	0	%100
87	M190A	X	0	0	0	%100
88	M190A	Z	.885	.885	0	%100
89	M191A	X	0	0	0	%100
90	M191A	Z	.221	.221	0	%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
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.643	.643	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	.778	.778	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	.194	.194	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	.194	.194	0	%100
109	M115	X	0	0	0	%100
110	M115	Z	.229	.229	0	%100
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	X	-.338	-.338	0	%100
12	M109A	Z	.585	.585	0	%100
13	MP4C	X	-.321	-.321	0	%100
14	MP4C	Z	.557	.557	0	%100
15	M118A	X	0	0	0	%100
16	M118A	Z	0	0	0	%100
17	MP4B	X	-.321	-.321	0	%100
18	MP4B	Z	.557	.557	0	%100
19	M127A	X	-.203	-.203	0	%100
20	M127A	Z	.351	.351	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	-.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	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
46	M148A	Z	0	0	0	%100
47	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
59	M159A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	0	0	0	%100
61	M160A	X	-.332	-.332	0	%100
62	M160A	Z	.575	.575	0	%100
63	M161A	X	-.332	-.332	0	%100
64	M161A	Z	.575	.575	0	%100
65	M162A	X	0	0	0	%100
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
79	M179A	X	-2.1e-5	-2.1e-5	0	%100
80	M179A	Z	3.7e-5	3.7e-5	0	%100
81	M183A	X	-.336	-.336	0	%100
82	M183A	Z	.581	.581	0	%100
83	M185A	X	-.336	-.336	0	%100
84	M185A	Z	.581	.581	0	%100
85	M189A	X	-.332	-.332	0	%100
86	M189A	Z	.575	.575	0	%100
87	M190A	X	-.332	-.332	0	%100
88	M190A	Z	.575	.575	0	%100
89	M191A	X	0	0	0	%100
90	M191A	Z	0	0	0	%100
91	MP3C	X	-.321	-.321	0	%100
92	MP3C	Z	.557	.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
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	-.292	-.292	0	%100
106	M109	Z	.505	.505	0	%100
107	M114	X	0	0	0	%100
108	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	0	0	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

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,%]
60	M159A	Z	.203	.203	0	%100
61	M160A	X	-.766	-.766	0	%100
62	M160A	Z	.442	.442	0	%100
63	M161A	X	-.192	-.192	0	%100
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
75	M173A	X	-.781	-.781	0	%100
76	M173A	Z	.451	.451	0	%100
77	M177A	X	-.2	-.2	0	%100
78	M177A	Z	.115	.115	0	%100
79	M179A	X	-.2	-.2	0	%100
80	M179A	Z	.115	.115	0	%100
81	M183A	X	-.781	-.781	0	%100
82	M183A	Z	.451	.451	0	%100
83	M185A	X	-.191	-.191	0	%100
84	M185A	Z	.11	.11	0	%100
85	M189A	X	-.766	-.766	0	%100
86	M189A	Z	.442	.442	0	%100
87	M190A	X	-.192	-.192	0	%100
88	M190A	Z	.111	.111	0	%100
89	M191A	X	-.192	-.192	0	%100
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	MP3B	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
103	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
107	M114	X	-.168	-.168	0	%100
108	M114	Z	.097	.097	0	%100
109	M115	X	-.794	-.794	0	%100
110	M115	Z	.458	.458	0	%100
111	M116	X	-.198	-.198	0	%100
112	M116	Z	.115	.115	0	%100
113	M117	X	-.198	-.198	0	%100
114	M117	Z	.115	.115	0	%100
115	OVP	X	-.455	-.455	0	%100
116	OVP	Z	.263	.263	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	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
18	MP4B	Z	0	0	0	%100
19	M127A	X	-.406	-.406	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	-.406	-.406	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	-.406	-.406	0	%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
36	M140A	Z	0	0	0	%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
40	M143A	Z	0	0	0	%100
41	M145A	X	-1.306	-1.306	0	%100
42	M145A	Z	0	0	0	%100
43	M147A	X	-1.623	-1.623	0	%100
44	M147A	Z	0	0	0	%100
45	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	0	%100
58	M158A	Z	0	0	0	%100
59	M159A	X	-1.218	-1.218	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	0	0	0	%100
61	M160A	X	-.663	-.663	0	%100
62	M160A	Z	0	0	0	%100
63	M161A	X	0	0	0	%100
64	M161A	Z	0	0	0	%100
65	M162A	X	-.663	-.663	0	%100
66	M162A	Z	0	0	0	%100
67	M163A	X	-.962	-.962	0	%100
68	M163A	Z	0	0	0	%100
69	M164A	X	-.24	-.24	0	%100
70	M164A	Z	0	0	0	%100
71	M165A	X	-.24	-.24	0	%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	0	%100
76	M173A	Z	0	0	0	%100
77	M177A	X	-4.2e-5	-4.2e-5	0	%100
78	M177A	Z	0	0	0	%100
79	M179A	X	-.682	-.682	0	%100
80	M179A	Z	0	0	0	%100
81	M183A	X	-.682	-.682	0	%100
82	M183A	Z	0	0	0	%100
83	M185A	X	-4.2e-5	-4.2e-5	0	%100
84	M185A	Z	0	0	0	%100
85	M189A	X	-.663	-.663	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	-.663	-.663	0	%100
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	%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
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	-.525	-.525	0	%100
116	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.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
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	%100
16	M118A	Z	-.45	-.45	0	%100
17	MP4B	X	-.557	-.557	0	%100
18	MP4B	Z	-.321	-.321	0	%100
19	M127A	X	-1.054	-1.054	0	%100
20	M127A	Z	-.609	-.609	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	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
49	M152A	X	-1.054	-1.054	0	%100
50	M152A	Z	-.609	-.609	0	%100
51	M153A	X	-1.432	-1.432	0	%100
52	M153A	Z	-.827	-.827	0	%100
53	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
58	M158A	Z	-.203	-.203	0	%100
59	M159A	X	-1.406	-1.406	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	-.812	-.812	0	%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
67	M163A	X	-.625	-.625	0	%100
68	M163A	Z	-.361	-.361	0	%100
69	M164A	X	-.625	-.625	0	%100
70	M164A	Z	-.361	-.361	0	%100
71	M165A	X	0	0	0	%100
72	M165A	Z	0	0	0	%100
73	M171A	X	-.781	-.781	0	%100
74	M171A	Z	-.451	-.451	0	%100
75	M173A	X	-.191	-.191	0	%100
76	M173A	Z	-.11	-.11	0	%100
77	M177A	X	-.191	-.191	0	%100
78	M177A	Z	-.11	-.11	0	%100
79	M179A	X	-.781	-.781	0	%100
80	M179A	Z	-.451	-.451	0	%100
81	M183A	X	-.2	-.2	0	%100
82	M183A	Z	-.115	-.115	0	%100
83	M185A	X	-.2	-.2	0	%100
84	M185A	Z	-.115	-.115	0	%100
85	M189A	X	-.192	-.192	0	%100
86	M189A	Z	-.111	-.111	0	%100
87	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
100	MP2B	Z	-.389	-.389	0	%100
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
108	M114	Z	-.389	-.389	0	%100
109	M115	X	-.198	-.198	0	%100
110	M115	Z	-.115	-.115	0	%100
111	M116	X	-.794	-.794	0	%100
112	M116	Z	-.458	-.458	0	%100
113	M117	X	-.198	-.198	0	%100
114	M117	Z	-.115	-.115	0	%100
115	OVP	X	-.455	-.455	0	%100
116	OVP	Z	-.263	-.263	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.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	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	0	%100
53	M155A	X	-.653	-.653	0	%100
54	M155A	Z	-1.131	-1.131	0	%100
55	M157A	X	0	0	0	%100
56	M157A	Z	0	0	0	%100
57	M158A	X	-.609	-.609	0	%100
58	M158A	Z	-1.054	-1.054	0	%100
59	M159A	X	-.609	-.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M159A	Z	-1.054	-1.054	0	%100
61	M160A	X	0	0	0	%100
62	M160A	Z	0	0	0	%100
63	M161A	X	-.332	-.332	0	%100
64	M161A	Z	-.575	-.575	0	%100
65	M162A	X	-.332	-.332	0	%100
66	M162A	Z	-.575	-.575	0	%100
67	M163A	X	-.12	-.12	0	%100
68	M163A	Z	-.208	-.208	0	%100
69	M164A	X	-.481	-.481	0	%100
70	M164A	Z	-.833	-.833	0	%100
71	M165A	X	-.12	-.12	0	%100
72	M165A	Z	-.208	-.208	0	%100
73	M171A	X	-.341	-.341	0	%100
74	M171A	Z	-.59	-.59	0	%100
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
84	M185A	Z	-.59	-.59	0	%100
85	M189A	X	0	0	0	%100
86	M189A	Z	0	0	0	%100
87	M190A	X	-.332	-.332	0	%100
88	M190A	Z	-.575	-.575	0	%100
89	M191A	X	-.332	-.332	0	%100
90	M191A	Z	-.575	-.575	0	%100
91	MP3C	X	-.321	-.321	0	%100
92	MP3C	Z	-.557	-.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
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	0	0	%100
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

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	Y	-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	.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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
26	M185A	Y	-6.862	-12.945	0	.836
27	M185A	Y	-12.945	-16.184	.836	1.671
28	M185A	Y	-16.184	-13.627	1.671	2.507
29	M185A	Y	-13.627	-8.329	2.507	3.343
30	M185A	Y	-8.329	-3.244	3.343	4.178

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M171A	Y	-.138	-.261	0	.836
2	M171A	Y	-.261	-.327	.836	1.671
3	M171A	Y	-.327	-.279	1.671	2.507
4	M171A	Y	-.279	-.175	2.507	3.343
5	M171A	Y	-.175	-.074	3.343	4.178
6	M173A	Y	-.138	-.259	0	.836
7	M173A	Y	-.259	-.324	.836	1.671
8	M173A	Y	-.324	-.273	1.671	2.507
9	M173A	Y	-.273	-.167	2.507	3.343
10	M173A	Y	-.167	-.065	3.343	4.178
11	M177A	Y	-.138	-.261	0	.836
12	M177A	Y	-.261	-.327	.836	1.671
13	M177A	Y	-.327	-.279	1.671	2.507
14	M177A	Y	-.279	-.175	2.507	3.343
15	M177A	Y	-.175	-.073	3.343	4.178
16	M179A	Y	-.138	-.259	0	.836
17	M179A	Y	-.259	-.324	.836	1.671
18	M179A	Y	-.324	-.273	1.671	2.507
19	M179A	Y	-.273	-.167	2.507	3.343
20	M179A	Y	-.167	-.065	3.343	4.178
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
27	M185A	Y	-.259	-.324	.836	1.671
28	M185A	Y	-.324	-.273	1.671	2.507
29	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)

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
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	.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	Z	-.649	-.811	.836	1.671
28	M185A	Z	-.811	-.683	1.671	2.507
29	M185A	Z	-.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 Magnitude[lb/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	.184	3.343	4.178
6	M173A	X	.344	.649	0	.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	.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	.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	X	.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	Y	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

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]
1	N247A	N249A	N252A	N246A	Y	Two Way	-.000204
2	N259A	N254A	N255A	N257A	Y	Two Way	-.000204
3	N267A	N265A	N263A	N262A	Y	Two Way	-.000204

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N247A	N249A	N252A	N246A	Z	Two Way	-.00051
2	N259A	N254A	N255A	N257A	Z	Two Way	-.00051
3	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]
1	N247A	N249A	N252A	N246A	X	Two Way	.00051
2	N259A	N254A	N255A	N257A	X	Two Way	.00051
3	N267A	N265A	N263A	N262A	X	Two Way	.00051

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N238B	max	1162.671	10	2420.626	13	1927.152	1	4.87	13	1.467	4	.156	3
2		min	-1187.326	4	609.691	7	-2081.514	7	.231	7	-1.448	10	-.209	9
3	N240B	max	1396.847	10	2242.183	21	1233.068	1	-.385	3	1.359	12	-.362	3
4		min	-1556.297	4	574.178	3	-1171.038	7	-2.38	21	-1.398	6	-3.953	21
5	N242B	max	1622.411	11	2188.463	17	1275.299	1	-.085	11	1.359	8	4.345	41
6		min	-1440.901	5	537.771	11	-1182.986	7	-2.756	41	-1.355	2	.371	11
7	Totals:	max	4126.215	10	6432.835	17	4435.519	1						
8		min	-4126.221	4	2354.215	74	-4435.538	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [l...	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	PIPE 3.0	.126	4.557	19	.061	7.943		8	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		7	20866.733	32130	1.872	1.872	2...	H1-1b
4	MP2A	PIPE 2.5	.240	3.5	1	.057	3.5		9	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	.126	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	.132	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
10	M127A	PL3/8x6	.288	0	6	.231	0	y	16	70677.939	72900	.57	9.113	1...	H1-1b
11	M128A	PL3/8x6	.198	.167	2	.323	0	y	20	71601.728	72900	.57	9.113	1...	H1-1b
12	M130A	PL1/2X6	.041	.112	9	.059	.112	y	5	96757.507	97200	1.012	12.15	1...	H1-1b
13	M132A	PL3/8x6	.247	0	8	.283	0	y	22	70677.939	72900	.57	9.113	1...	H1-1b
14	M133A	PL3/8x6	.215	.167	12	.298	0	y	17	71601.728	72900	.57	9.113	1...	H1-1b
15	M135A	PL1/2X6	.042	.112	5	.154	0	y	38	96757.507	97200	1.012	12.15	1...	H1-1b
16	M137A	PL3/8x6	.279	0	2	.238	0	y	24	70677.939	72900	.57	9.113	1...	H1-1b
17	M138A	PL3/8x6	.192	.167	10	.319	0	y	16	71601.728	72900	.57	9.113	1...	H1-1b
18	M140A	PL1/2X6	.042	.112	5	.073	.112	y	1	96757.507	97200	1.012	12.15	1...	H1-1b
19	M142A	PL3/8x6	.235	0	4	.278	0	y	19	70677.939	72900	.57	9.113	1...	H1-1b
20	M143A	PL3/8x6	.207	.167	8	.303	0	y	13	71601.728	72900	.57	9.113	1...	H1-1b

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

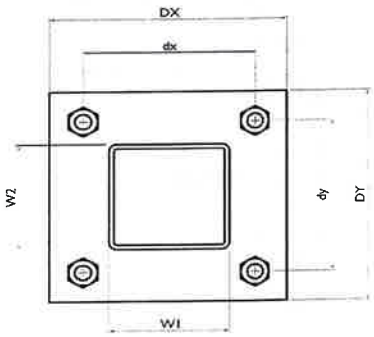
	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [l...	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
21	M145A	PL1/2X6	.045	.112	1	.051	0	y	11	96757.507	97200	1.012	12.15	1...	H1-1b
22	M147A	PL3/8x6	.272	0	10	.234	0	y	20	70677.939	72900	.57	9.113	1...	H1-1b
23	M148A	PL3/8x6	.199	.167	6	.325	0	y	24	71601.728	72900	.57	9.113	1...	H1-1b
24	M150A	PL1/2X6	.046	.112	1	.063	.112	y	9	96757.507	97200	1.012	12.15	1...	H1-1b
25	M152A	PL3/8x6	.247	0	12	.288	0	y	14	70677.939	72900	.57	9.113	1...	H1-1b
26	M153A	PL3/8x6	.207	.167	4	.302	0	y	21	71601.728	72900	.57	9.113	1...	H1-1b
27	M155A	PL1/2X6	.044	.112	9	.049	0	y	7	96757.507	97200	1.012	12.15	1...	H1-1b
28	M157A	PL1/2X6	.114	.549	3	.104	0	y	6	62715.009	97200	1.012	12.15	1...	H1-1b
29	M158A	PL1/2X6	.117	.549	1	.109	.549	y	22	62715.009	97200	1.012	12.15	1...	H1-1b
30	M159A	PL1/2X6	.115	.549	11	.180	.549	y	38	62715.009	97200	1.012	12.15	1...	H1-1b
31	M160A	HSS4X4X3	.206	2.375	20	.062	2.375	y	21	104414.6...	106812	12.662	12.662	1...	H1-1b
32	M161A	HSS4X4X3	.206	2.375	24	.063	2.375	y	13	104414.6...	106812	12.662	12.662	1...	H1-1b
33	M162A	HSS4X4X3	.201	2.375	16	.061	2.375	y	17	104414.6...	106812	12.662	12.662	1...	H1-1b
34	M163A	HSS4X4X4	.303	5.188	13	.066	5.188	y	23	124657.7...	139518	16.181	16.181	3...	H1-1b
35	M164A	HSS4X4X4	.290	5.188	21	.087	5.188	y	33	124657.7...	139518	16.181	16.181	3...	H1-1b
36	M165A	HSS4X4X4	.319	5.188	43	.080	5.188	y	29	124657.7...	139518	16.181	16.181	2...	H1-1b
37	M171A	L2x2x3	.126	4.178	12	.013	4.178	y	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	y	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	y	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	y	20	104414.6...	106812	12.662	12.662	1...	H1-1b
44	M190A	HSS4X4X3	.196	0	14	.054	0	y	24	104414.6...	106812	12.662	12.662	1...	H1-1b
45	M191A	HSS4X4X3	.192	0	18	.052	0	y	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

VzW SMART Tool© Vendor

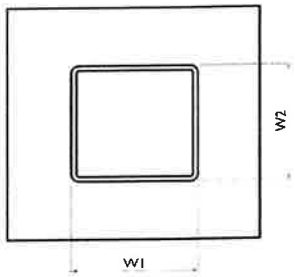
Client:	Verizon Wireless	Date:	7/3/2023
Site Name:	BETHLEHEM NE CT		
MDG #:	5000247368		
Fuze ID #:	17123741	Page:	1
			Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	8
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	8
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	3.8
Required Shear Strength / bolt (kips):	0.6
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	18.6%



Tower Connection Baseplate Checks	Yes
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	10
Plate Height, D_y (in):	10
W1(in):	4
W2 (in):	4
Member Thickness (in):	0.25
Stiffener location a_1 (in):	
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.75
Length of Yield Line, L_y (in):	7.85
Bolt Eccentricity, e (in):	3.06
M_u (kip-in):	11.78
Phi*M_n (kip-in):	35.77
Plate Bending Utilization:	32.9%



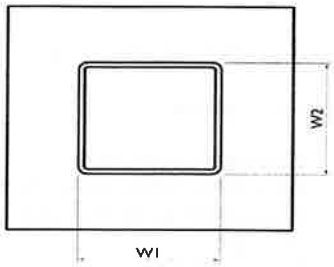
VzW SMART Tool© Vendor

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

	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Weld Size (1/16 in):	3
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2.25
c_y (in)	2.25
Required combined strength (kip/in):	1.94
Weld Capacity (kip/in):	4.18
Weld Utilization:	**46.4%**

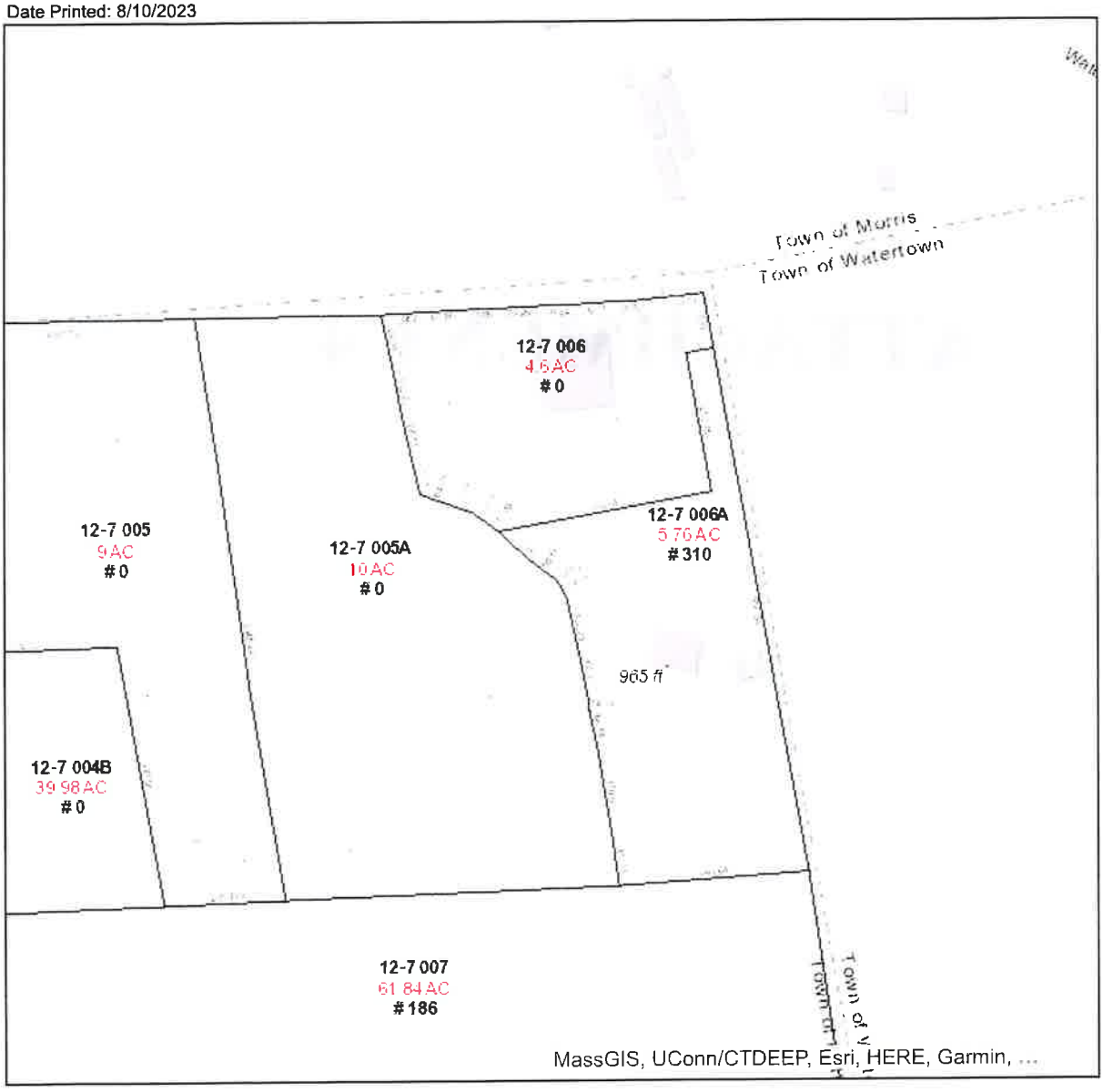


ATTACHMENT 4

Town of Bethlehem

Geographic Information System (GIS)

Date Printed: 8/10/2023



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

N
W E
S

Town of Bethlehem, CT

Property Listing Report

Map Block Lot	12-7 006A	Building #	1	Section #		Account	102513

Property Information

Property Location	310 WATERTOWN RD
Owner	SWINGLE GARY J & AMY
Co-Owner	na
Mailing Address	310 WATERTOWN RD MORRIS CT 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	A
Interior Floors 1	Ceram Clay Til
Interior Floors 2	Hardwood
Total Rooms	1
Basement Garages	
Occupancy	1.00
Building Grade	C+ A+10

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
AC Type	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

Report Created On 8/10/2023

ATTACHMENT 5

Verizon/Bethlehem NE

UNITED STATES POSTAL SERVICE®

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 *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 08/11/2023 US POSTAGE $003.19⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Stephen F. Sordi, First Selectman Town of Bethlehem 36 Main Street Bethlehem, CT 06751				
2.	Jared McCool, Land Use Coordinator Town of Bethlehem 36 Main Street Bethlehem, CT 06751				
3.	Gary and Amy Swingle 310 Watertown Road Morris, CT 06763				
4.					
5.					
6.					