Robinson+Cole

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Also admitted in Massachusetts and New York

August 3, 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**
178 New Haven Road, Prospect, 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 July of 1999 (EM-BAM-115-990701). A copy of the Council's exempt modification 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 Prospect'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:
Robert Jr. Chatfield, Mayor
Mary Barton, Land Use Inspector
Peter Joseph Visockis and Austin Victor Visockis, Property Owners
Kamoya Bautista, Verizon Wireless

ATTACHMENT 1

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

July 15, 1999

Sandy M. Carter
Manager-Regulatory
Bell Atlantic Mobile
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492

Re: EM-BAM-115-990701 - Bell Atlantic Mobile notice of intent to modify an existing telecommunications facility located at 178 New Haven Road in Prospect, Connecticut.

Dear Ms. Carter:

At a public meeting held on July 15, 1999, the Connecticut Siting Council (Council) ruled that the proposed placement of antennas on this tower would not cause a significant change or alteration in the physical and environmental characteristics of the site, and pursuant to Section 16-50j-72 (c) would constitute a regulatory exemption.

The proposed antenna modifications are to be implemented as specified in your notice dated June 30, 1999. The antenna modifications are in compliance with the exception criteria in Section 16-50j-72 (c) of the Regulations of Connecticut State Agencies as changes to an existing non-facility site that have received all municipal zoning approvals and building permits that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. The acknowledged change of antennas has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used on this tower. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 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,

Mortimer A. Gelston
Chairman

MAG/RKE/tsg

c: Honorable Robert J. Chatfield, First Selectman, Town of Prospect

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.

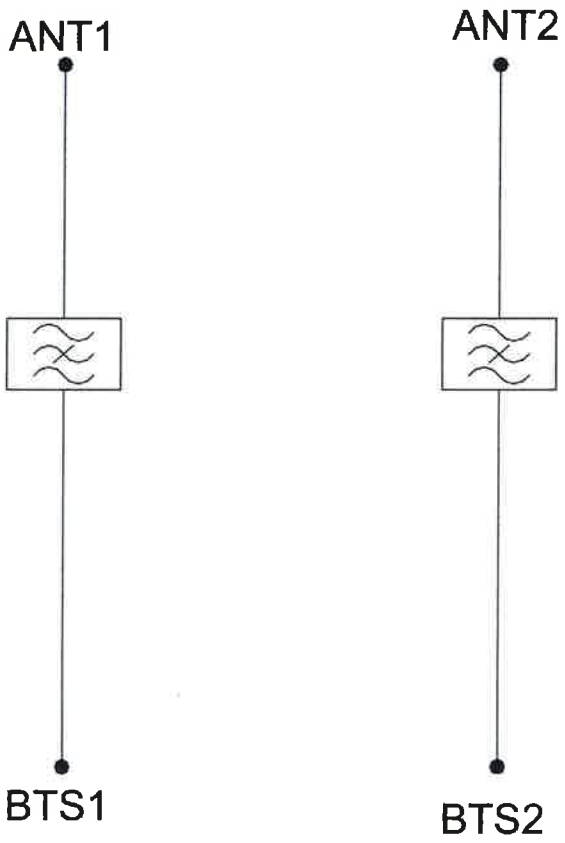
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

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)

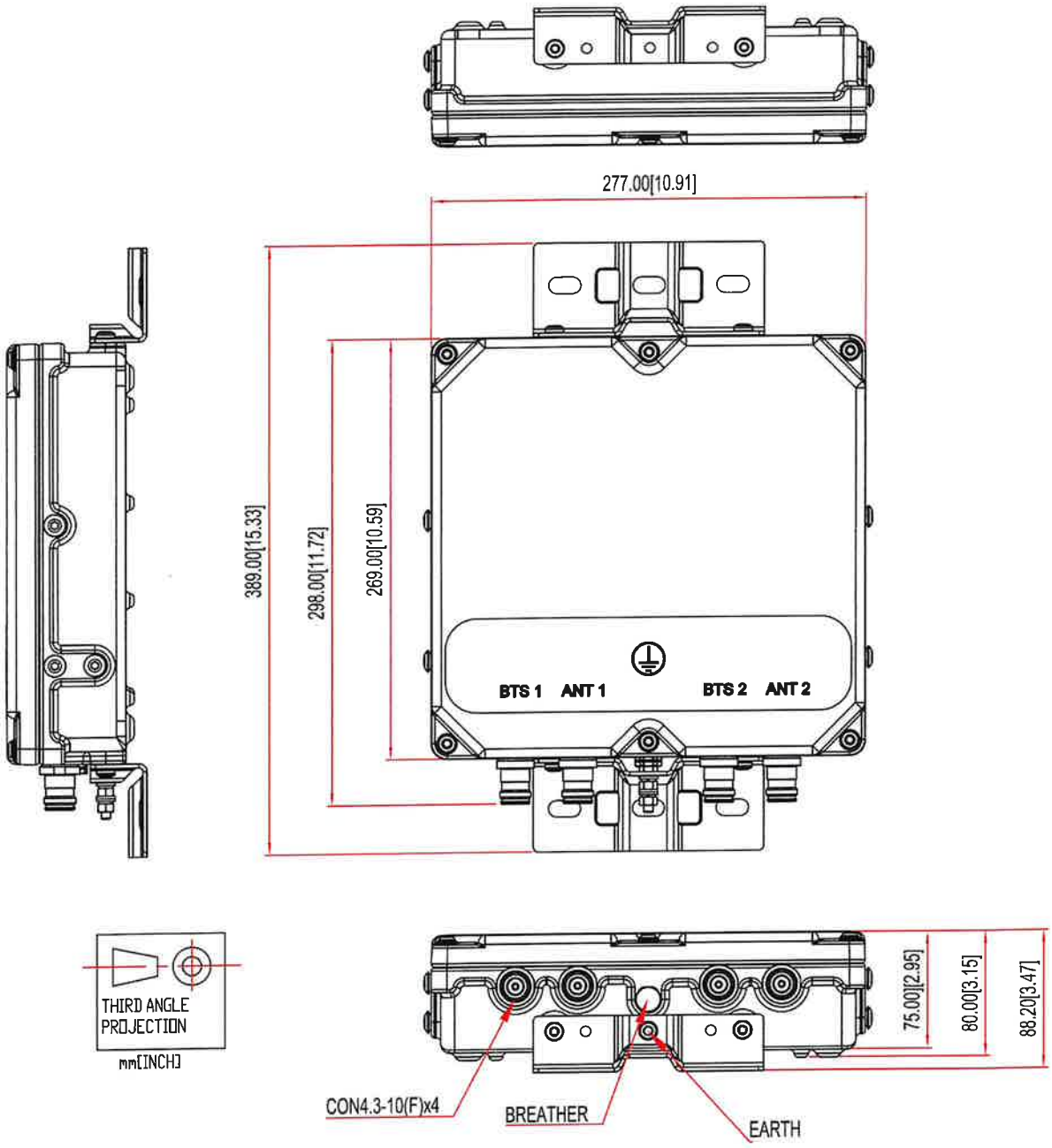
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

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 157 ft Nudd Corporation Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT00252-S

Customer Site Name: Prospect

Carrier Name: Verizon (App#: 232406, V#2)

Carrier Site ID / Name: 5000385161 / Prospect CT

Site Location: 178 New Haven Road

Prospect, Connecticut

New Haven County

Latitude: 41.472302

Longitude: -72.971597

Analysis Result:

Max Structural Usage: 88.6% [Pass]

Max Foundation Usage: 36.0% [Pass]

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

Report Prepared By: Wei-Hsiang Chen

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

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

Report Prepared By: Wei-Hsiang Chen

Introduction

The purpose of this report is to summarize the analysis results on the 157 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, Project No. 6820, Original design drawing dated 05/20/1999
Foundation Drawing	Fred A. Nudd Corporation, Project No. 6820, Original design drawing dated 05/20/1999
Geotechnical Report	SAGE environmental, Inc. Geotechnical Report, dated 05/05/1998
Modification Drawings	Semaan Engineering, Inc. Project No. CT-00252S, Modification Package, dated 04/18/2002
Mount Analysis	N/A

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:	118.0 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:	B
Risk Category:	II
Topographic Category:	1
Crest Height:	0 ft
Seismic Parameters:	S_S = 0.199, 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
1	157.0	3	Andrew SBNH-1D6565C 60.8# - Panel	Sector Mounts (3) Sabre C10-857-804	(12) 1 1/4" (1) 1/2" Coax (1) 1/2" Fiber* (2) 3/4" DC* (1) 3/8" RET (1) 3" flex conduit	AT&T*
2		3	Cci HPA65R-BU8A - Panel			
3		3	Kathrein 800-10121 - Panel			
4		6	CCI DTMABP7819VG12A TMA			
5		6	Powerwave LGP21901 Diplexer			
6		6	Kathrein 860 10025 RET			
7		3	Ericsson RRUS-11 RRU			
8		3	Ericsson RRUS 4415 B25 RRU			
9		2	Raycap DC6-48-60-18-8F -SP			
10		1	Nokia CS72188.01 LMU			
11	147.0	9	Allgan ALP9212 - Panel	(3) Sector Frame	(9) 1 5/8"	Nextel
-	132.0	6	Commscope SBNHH-1D65B - Panel	14' LP Platform Modified w/ (1) VZWSMART VZWSMART-PLK1 [Support Rail Kit] (3) VZWSMART VZWSMART-PLK6 [V-STYLE KICKER KIT] (1) VZWSMART VZWSMART-PLK7 [COLLAR MOUNT] (1) VZWSMART VZWSMART-MSK10 [WIRE ROPE ROUTING BRACKET]	(11) 1 5/8" (2) 1 5/8" Hybrid	Verizon
-		6	Decibel - DB844G65ZAXY - Panel			
-		3	Samsung - MT6407-77A - Panel			
-		3	Samsung - RF4439d-25A_AWS-PCS RRU			
-		3	Samsung - RF4440d-13A_700-850MHz RRU			
-		1	RFS DB-C1-12C-24AB-0Z - OVP			
-		1	GPS			
20	100.0	3	Kathrein - 742 213 - Panel	(3) Pipe Mount	(6) 1 5/8"	T-Mobile

* (2) 3/4" DC & (1) 1/2" Fiber Inside (1) 3" flex

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	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
12	132.0	6	Decibel DB844G65ZAXY - Panel	LP Platform Modified w/ (1) VZWSMART VZWSMART-PLK1 [Support Rail Kit] (3) VZWSMART VZWSMART-PLK6 [V-STYLE KICKER KIT] (1) VZWSMART VZWSMART-PLK7 [COLLAR MOUNT] (1) VZWSMART VZWSMART-MSK10 [WIRE ROPE ROUTING BRACKET]	(11) 1 5/8" (2) 1 5/8" Hybrid	Verizon
13		6	Kaelus BSF0020F3V1-1 - Filter			
14		6	Commscope SBNHH-1D65B - Panel			
15		3	Samsung MT6407-77A - Panel			
16		3	Samsung RF4439d-25A_AWS-PCS			
17		1	RFS DB-C1-12C-24AB-0Z - OVP			
18		3	Samsung RF4440d-13A_700-850MHz RRU			
19		1	GPS			

All transmission lines are considered running inside of the pole shafts.

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	Anchor Bolts	Base Plate
Max. Usage:	**66.2%**	**64.9%**	**88.6%**
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions	3036.2	29.5	51.5

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 0.6992 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.

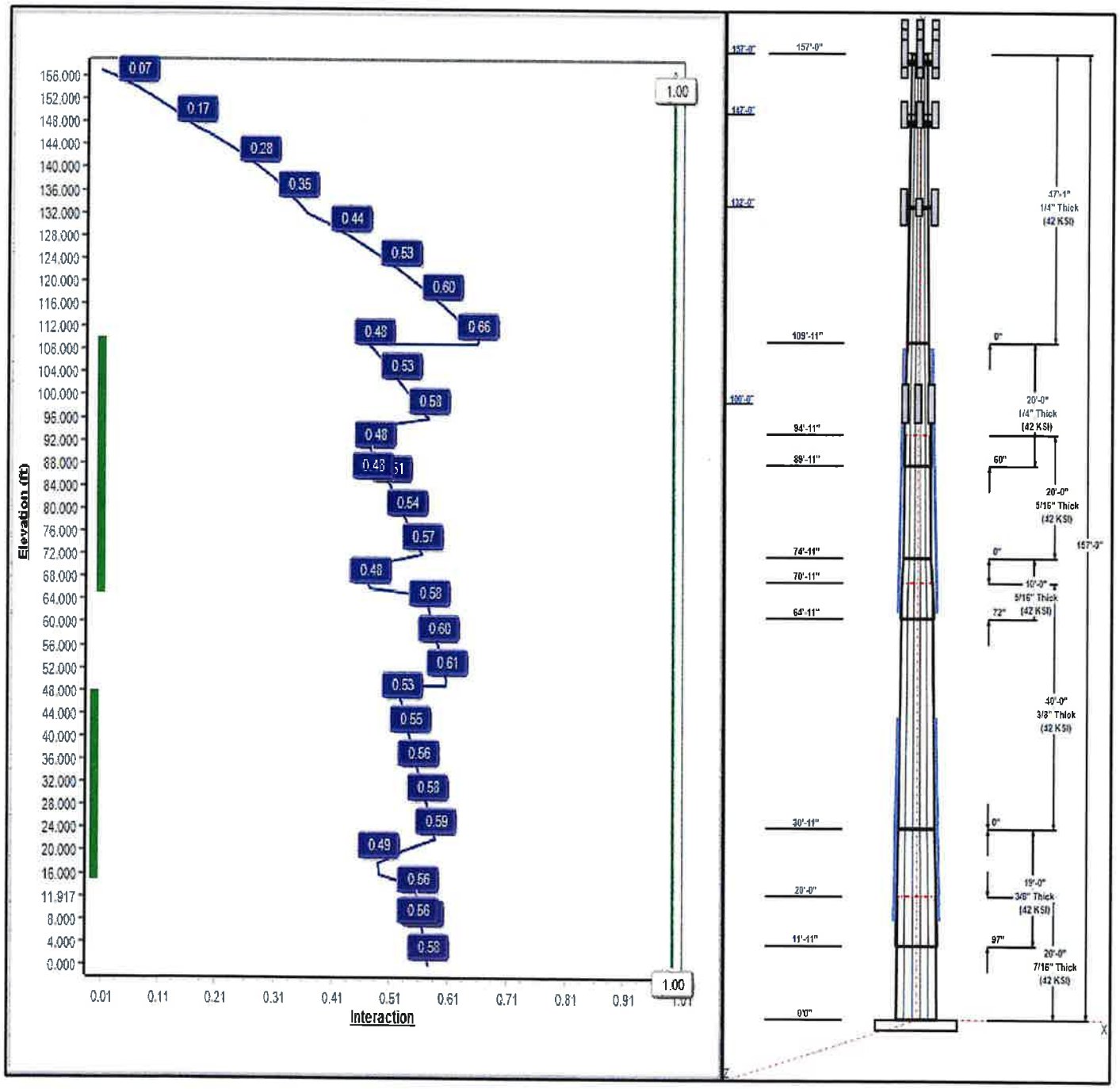
Usage Diagram - Max Ratio 66.19% at 109.9ft

Structure:	CT00252-S-SBA	**Code:**	EIA/TIA-222-H	7/7/2023
Site Name:	Prospect	**Exposure:**	B	
Height:	157.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

Tower Engineering Solutions

Dead Load Factor:	1.20	**Iterations:**	24
Wind Load Factor:	1.00		

Load Case : 1.2D + 1.0W 118 mph Wind



Structure: CT00252-S-SBA

Type: Tapered
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 12 Sided
Taper: 0.33161

7/7/2023

TES Tower Engineering Solutions

Shaft Properties

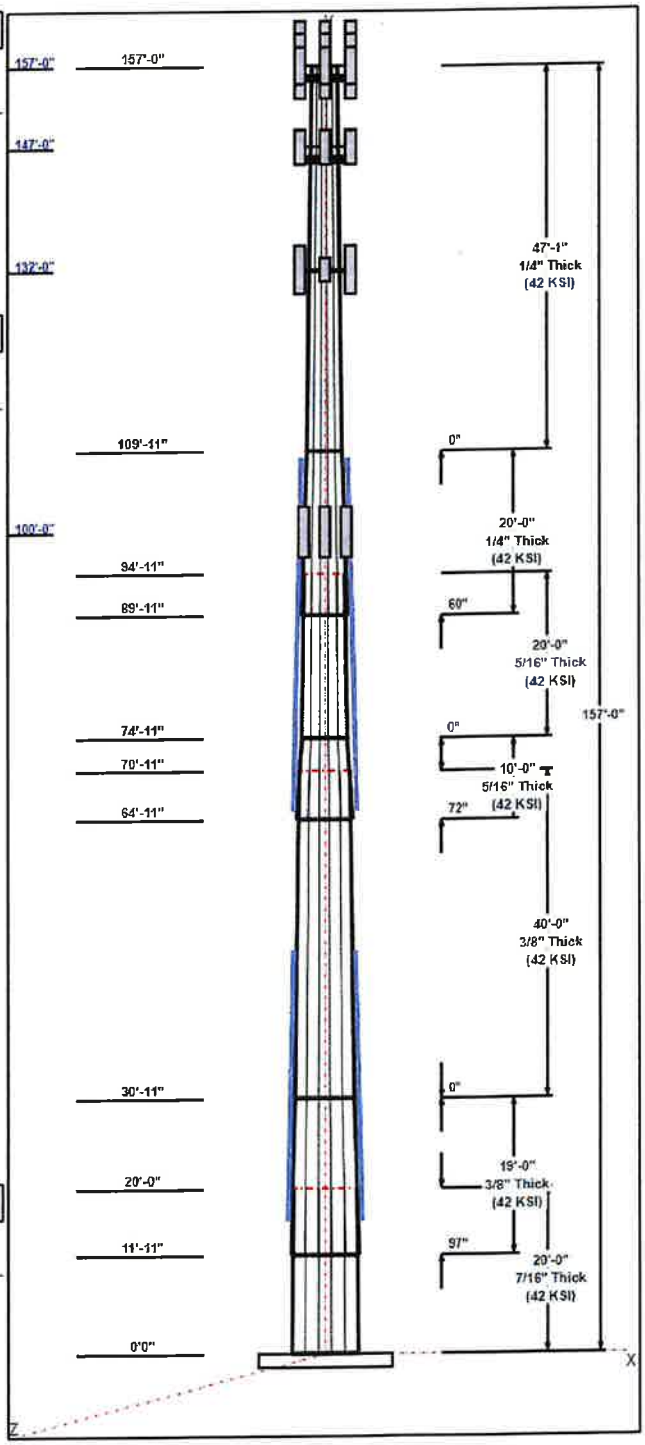
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	20.00	61.56	68.19	0.438		0.33161	42
2	19.00	58.69	64.99	0.375	Slip	0.33161	42
3	40.00	45.42	58.69	0.375	Butt	0.33161	42
4	10.00	44.72	48.04	0.313	Slip	0.33161	42
5	20.00	38.09	44.72	0.313	Butt	0.33161	42
6	20.00	33.61	40.25	0.250	Slip	0.33161	42
7	47.08	18.00	33.61	0.250	Butt	0.33161	42

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
157.00	158.50	3	Andrew - SBNH-1D6565C	AT&T
157.00	157.00	3	Cci HPA65R-BU8A	AT&T
157.00	157.00	3	Kathrein 800-10121	AT&T
157.00	157.00	3	Sabre C10-857-804	AT&T
157.00	157.00	6	CCI DTMABP7819VG12A	AT&T
157.00	157.00	6	Powerwave LGP21901	AT&T
157.00	157.00	6	Kathrein 860 10025 RET	AT&T
157.00	157.00	3	Ericsson RRUS-11 RRU	AT&T
157.00	157.00	3	Ericsson RRUS 4415 B25	AT&T
157.00	157.00	2	Raycap DC6-48-60-18-8F	AT&T
157.00	157.50	1	Nokia CS72188.01 LMU	AT&T
157.00	160.50	1	Lightning Rod	
147.00	147.00	9	Allgan ALP9212	Nextel
147.00	147.00	3	Sector Frame	Nextel
132.00	132.00	1	14' LP Platform	Verizon
132.00	132.00	6	BSF0020F3V1-1	Verizon
132.00	132.00	1	GPS	Verizon
132.00	132.00	6	SBNHH-1D65B	Verizon
132.00	132.00	3	MT6407-77A	Verizon
132.00	132.00	3	Samsung	Verizon
132.00	132.00	1	RFS DB-C1-12C-24AB-0Z	Verizon
132.00	132.00	3	Samsung	Verizon
132.00	132.00	1	HRK12 (Handrail Kit)	Verizon
132.00	132.00	1	(3) SFS-H (V-Braces)	Verizon
132.00	132.00	1	Collar Mount (3-Sided)	Verizon
132.00	132.00	6	DB844G65ZAXY	Verizon
100.00	100.00	3	742 213	T-Mobile
100.00	100.00	3	15'x2.875"mount pipe	T-Mobile

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	157.00	Inside	1 1/4" Coax	AT&T
0.00	157.00	Inside	1/2" Coax	AT&T
0.00	157.00	Inside	1/2" Fiber	AT&T
0.00	157.00	Inside	3" flex conduit	AT&T
0.00	157.00	Inside	3/4" DC	AT&T
0.00	157.00	Inside	3/8" RET Line	AT&T
0.00	157.00	Outside	Safety Cable	
0.00	157.00	Outside	Step bolts (ladder)	
0.00	147.00	Inside	1 5/8" Coax	Nextel
0.00	132.00	Inside	1 5/8" Coax	Verizon
0.00	132.00	Inside	1 5/8" Hybrid	Verizon



65.00	110.00	Outside	1" Reinforcing plate	
0.00	100.00	Inside	1 5/8" Coax	T-Mobile
15.00	50.00	Outside	1" Reinforcing plate	

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
18	2.00" F1554 105	81.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
1.7500	56.0	36.0	Round

Reactions

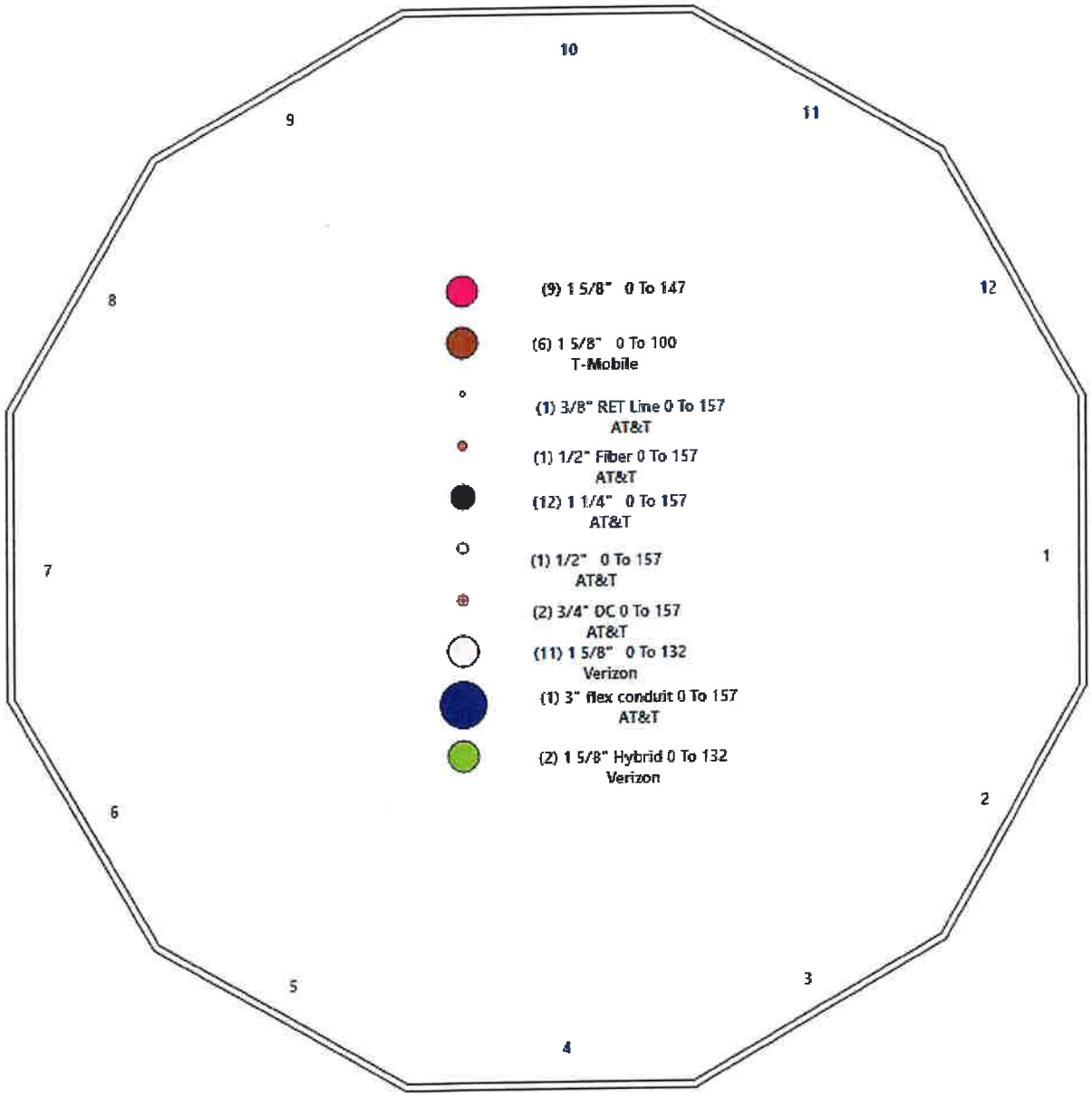
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 118 mph Wind	3036.2	29.5	51.5
0.9D + 1.0W 118 mph Wind	3018.8	29.5	38.6
1.2D + 1.0Di + 1.0Wi 50 mph Wind	761.3	7.2	68.6
1.2D + 1.0Ev + 1.0Eh	145.0	1.1	53.3
0.9D + 1.0Ev + 1.0Eh	144.7	1.1	40.4
1.0D + 1.0W 60 mph Wind	699.8	6.8	42.9

Structure: CT00252-S-SBA - Coax Line Placement

Type: Monopole
Site Name: Prospect
Height: 157.00 (ft)

7/7/2023

Tower Engineering Solutions



Shaft Properties

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (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	

Tower Engineering Solutions

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	12	20.000	0.4375	42		0.00	6,177
2	12	19.000	0.3750	42	Slip	97.00	4,798
3	12	40.000	0.3750	42	Flange	0.00	8,494
4	12	10.000	0.3125	42	Slip	72.00	1,577
5	12	20.000	0.3125	42	Flange	0.00	2,814
6	12	20.000	0.2500	42	Slip	60.00	2,009
7	12	47.083	0.2500	42	Flange	0.00	3,296
					Total Shaft Weight:		**29,166**

	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	68.19	0.00	95.44	55917.50	39.62	155.86	61.56	20.00	86.10	41051.0	35.56	140.7	0.331608
2	64.99	11.92	78.02	41570.87	44.29	173.30	58.69	30.92	70.41	30556.8	39.79	156.4	0.331608
3	58.69	30.92	70.41	30556.84	39.79	156.49	45.42	70.92	54.39	14087.7	30.31	121.1	0.331608
4	48.04	64.92	48.02	13959.75	39.04	153.71	44.72	74.92	44.68	11247.2	36.20	143.1	0.331608
5	44.72	74.92	44.68	11247.25	36.20	143.10	38.09	94.92	38.01	6923.09	30.51	121.8	0.331608
6	40.25	89.92	32.20	6573.73	40.99	160.98	33.61	109.92	26.86	3815.80	33.88	134.4	0.331608
7	33.61	109.9	26.86	3815.80	33.88	134.45	18.00	157.00	14.29	574.61	17.15	72.00	0.331608

Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Fu (ksi)	Offset (in)	Intermediate Connectors: Description	Intermediate Connectors: Spacing (in)	Termination Connectors: Description	Termination Connectors: Spacing (in)	Termination Connectors: Lower Qty	Termination Connectors: Upper Qty
16.00	49.00	3	PLT C6x10.5(1.5" Hole)	65	80	0.86	5/8" Hollo Bolt	24.00	5/8" Hollo Bolt			
66.00	109.0	3	PLT C6x10.5(1.5" Hole)	65	80	0.86	5/8" Hollo Bolt	24.00	5/8" Hollo Bolt			

Load Summary

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

Tower Engineering Solutions

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	157.00	Andrew - SBNH-1D6565C	3	66.10	11.47	0.80	220.06	13.647	0.80	0.00	1.50
2	157.00	Cci HPA65R-BU8A	3	69.00	11.22	0.89	243.43	12.336	0.89	0.00	0.00
3	157.00	Kathrein 800-10121	3	44.10	5.15	0.79	121.02	6.561	0.79	0.00	0.00
4	157.00	Sabre C10-857-804 (Sector Frame)	3	462.00	18.53	0.75	893.99	31.525	0.75	0.00	0.00
5	157.00	CCI DTMABP7819VG12A TMA	6	19.20	1.14	0.67	36.29	1.655	0.69	0.00	0.00
6	157.00	Powerwave LGP21901 Diplexer	6	31.00	1.67	0.93	58.49	2.031	0.95	0.00	0.00
7	157.00	Kathrein 860 10025 RET	6	1.20	0.18	0.50	5.22	0.434	0.50	0.00	0.00
8	157.00	Ericsson RRUS-11 RRU	3	51.00	2.52	0.50	99.40	2.944	0.50	0.00	0.00
9	157.00	Ericsson RRUS 4415 B25 RRU	3	46.00	1.64	0.50	73.53	1.985	0.50	0.00	0.00
10	157.00	Raycap DC6-48-60-18-8F -Surge	2	31.80	0.92	1.00	73.20	1.213	1.00	0.00	0.00
11	157.00	Nokia CS72188.01 LMU Omni	1	5.00	0.13	1.00	9.10	0.320	1.00	0.00	0.50
12	157.00	Lightning Rod	1	35.00	1.05	1.00	56.04	2.640	1.00	0.00	3.50
13	147.00	Allgan ALP9212	9	26.70	4.52	0.67	131.41	8.586	0.67	0.00	0.00
14	147.00	Sector Frame	3	500.00	17.50	0.75	964.45	26.766	0.75	0.00	0.00
15	132.00	14' LP Platform	1	1500.00	25.00	1.00	2361.52	38.784	1.00	0.00	0.00
16	132.00	BSF0020F3V1-1	6	6.60	1.19	0.67	22.55	1.708	0.67	0.00	0.00
17	132.00	GPS	1	10.00	1.00	1.00	29.30	1.469	1.00	0.00	0.00
18	132.00	SBNHH-1D65B	6	50.70	8.08	0.83	174.80	8.909	0.85	0.00	0.00
19	132.00	MT6407-77A	3	79.40	4.69	0.70	152.53	5.307	0.70	0.00	0.00
20	132.00	Samsung RF4439d-25A_AWS-PCS	3	74.70	1.87	0.50	121.02	2.236	0.50	0.00	0.00
21	132.00	RFS DB-C1-12C-24AB-0Z	1	32.00	4.06	1.00	106.99	4.601	1.00	0.00	0.00
22	132.00	Samsung	3	70.33	1.87	0.50	116.65	2.236	0.50	0.00	0.00
23	132.00	HRK12 (Handrail Kit)	1	261.72	6.75	1.00	466.15	11.092	1.00	0.00	0.00
24	132.00	(3) SFS-H (V-Braces)	1	197.00	6.30	1.00	378.03	10.642	1.00	0.00	0.00
25	132.00	Collar Mount (3-Sided)	1	220.00	2.50	1.00	422.17	4.223	1.00	0.00	0.00
26	132.00	DB844G65ZAXY	6	12.00	4.33	0.90	93.97	4.943	0.92	0.00	0.00
27	100.00	742 213	3	22.00	5.12	0.72	86.11	5.926	0.72	0.00	0.00
28	100.00	15'x2.875"mount pipe	3	87.00	4.31	1.00	172.54	7.758	1.00	0.00	0.00
		Totals:	**91**	**8,003.71**			**17,300.53**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	157.00	(12) 1 1/4" Coax	0.00	Inside
0.00	157.00	(1) 1/2" Coax	0.00	Inside
0.00	157.00	(1) 1/2" Fiber	0.00	Inside
0.00	157.00	(1) 3" flex conduit	0.00	Inside
0.00	157.00	(2) 3/4" DC	0.00	Inside
0.00	157.00	(1) 3/8" RET Line	0.00	Inside
0.00	157.00	(1) Safety Cable	0.38	Outside
0.00	157.00	(1) Step bolts (ladder)	0.63	Outside
0.00	147.00	(9) 1 5/8" Coax	0.00	Inside
0.00	132.00	(11) 1 5/8" Coax	0.00	Inside
0.00	132.00	(2) 1 5/8" Hybrid	0.00	Inside
65.00	110.00	(3) 1" Reinforcing plate	2.00	Outside
0.00	100.00	(6) 1 5/8" Coax	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)
15.00	50.00	(3) 1" Reinforcing plate			2.00	Outside					

Shaft Section Properties

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1
Topography: 1

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

7/7/2023

Tower Engineering Solutions

Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Additional Reinforcing Area (in^2)	Additional Reinforcing Ixp (in^4)	Additional Reinforcing Iyp (in^4)	Additional Reinforcing Weight (lb)
0.00		0.4375	68.188	95.443	55917.5	39.62	155.86	42	45	0.0				
2.00		0.4375	67.524	94.509	54291.4	39.21	154.34	42	45	646.4				
4.00		0.4375	66.861	93.574	52697.1	38.81	152.83	42	46	640.0				
6.00		0.4375	66.198	92.640	51134.3	38.40	151.31	42	46	633.6				
8.00		0.4375	65.535	91.706	49602.7	37.99	149.79	42	46	627.3				
10.00		0.4375	64.871	90.771	48102.0	37.59	148.28	42	46	620.9				
11.92	Bot - Section 2	0.4375	64.236	89.876	46692.6	37.20	146.82	42	47	589.1				
12.00		0.4375	64.208	89.837	46631.9	37.18	146.76	42	47	47.6				
14.00		0.4375	63.545	88.903	45192.1	36.77	145.25	42	47	1136.2				
16.00	RB1	0.4375	62.882	87.968	43782.2	36.37	143.73	42	47	1124.4	9.24	5233.9	5233.9	63.0
18.00		0.4375	62.219	87.034	42401.9	35.96	142.21	42	47	1112.6	9.24	5131.3	5131.3	63.0
20.00	Top - Section 1	0.3750	62.305	74.781	36608.6	42.38	166.15	42	44	1100.8	9.24	5029.7	5029.7	63.0
22.00		0.3750	61.642	73.980	35445.0	41.90	164.38	42	44	506.2	9.24	4929.2	4929.2	63.0
24.00		0.3750	60.979	73.179	34306.4	41.43	162.61	42	44	500.8	9.24	4829.6	4829.6	63.0
26.00		0.3750	60.316	72.378	33192.4	40.95	160.84	42	44	495.3	9.24	4731.1	4731.1	63.0
28.00		0.3750	59.652	71.578	32102.7	40.48	159.07	42	45	489.9	9.24	4633.6	4633.6	63.0
30.00		0.3750	58.989	70.777	31037.2	40.01	157.30	42	45	484.4	9.24	4537.1	4537.1	63.0
30.92	Top - Section 2	0.3750	58.685	70.410	30556.8	39.79	156.49	42	45	220.2	9.24	4493.2	4493.2	28.9
30.92	Bot - Section 3	0.3750	58.685	70.410	30556.8	39.79	156.49	42	45					
32.00		0.3750	58.326	69.976	29995.5	39.53	155.54	42	45	258.8	9.24	4441.6	4441.6	34.1
34.00		0.3750	57.663	69.175	28977.4	39.06	153.77	42	46	473.5	9.24	4347.1	4347.1	63.0
36.00		0.3750	57.000	68.374	27982.6	38.58	152.00	42	46	468.0	9.24	4253.6	4253.6	63.0
38.00		0.3750	56.336	67.573	27010.9	38.11	150.23	42	46	462.6	9.24	4161.2	4161.2	63.0
40.00		0.3750	55.673	66.773	26061.9	37.64	148.46	42	46	457.1	9.24	4069.8	4069.8	63.0
42.00		0.3750	55.010	65.972	25135.3	37.16	146.69	42	47	451.7	9.24	3979.4	3979.4	63.0
44.00		0.3750	54.347	65.171	24231.1	36.69	144.92	42	47	446.2	9.24	3890.0	3890.0	63.0
46.00		0.3750	53.684	64.370	23348.7	36.21	143.16	42	47	440.8	9.24	3801.6	3801.6	63.0
48.00		0.3750	53.020	63.569	22488.1	35.74	141.39	42	47	435.3	9.24	3714.3	3714.3	63.0
49.00	RT1	0.3750	52.689	63.169	22065.8	35.50	140.50	42	48	215.6	9.24	3671.0	3671.0	31.5
50.00		0.3750	52.357	62.768	21648.8	35.27	139.62	42	48	214.3				
52.00		0.3750	51.694	61.968	20830.7	34.79	137.85	42	48	424.4				
54.00		0.3750	51.031	61.167	20033.5	34.32	136.08	42	48	419.0				
56.00		0.3750	50.367	60.366	19256.9	33.85	134.31	42	48	413.5				
58.00		0.3750	49.704	59.565	18500.6	33.37	132.54	42	49	408.1				
60.00		0.3750	49.041	58.764	17764.4	32.90	130.78	42	49	402.6				
62.00		0.3750	48.378	57.963	17048.0	32.42	129.01	42	49	397.2				
64.00		0.3750	47.715	57.163	16351.1	31.95	127.24	42	50	391.7				
64.92	Bot - Section 4	0.3750	47.411	56.795	16038.1	31.73	126.43	42	50	177.7				
66.00	RB2	0.3750	47.051	56.362	15673.4	31.48	125.47	42	50	384.9	9.24	3047.4	3047.4	34.1
68.00		0.3750	46.388	55.561	15014.8	31.00	123.70	42	50	702.9	9.24	2969.3	2969.3	63.0
70.00		0.3750	45.725	54.760	14374.8	30.53	121.93	42	50	692.9	9.24	2892.1	2892.1	63.0
70.92	Top - Section 3	0.3125	46.046	46.019	12285.5	37.34	147.35	42	47	314.3	9.24	2857.1	2857.1	28.9
72.00		0.3125	45.687	45.658	11998.3	37.03	146.20	42	47	169.0	9.24	2816.0	2816.0	34.1
74.00		0.3125	45.023	44.990	11479.8	36.46	144.08	42	47	308.5	9.24	2740.9	2740.9	63.0
74.92	Top - Section 4	0.3125	44.720	44.685	11247.3	36.20	143.10	42	47	139.9	9.24	2706.8	2706.8	28.9
74.92	Bot - Section 5	0.3125	44.720	44.685	11247.3	36.20	143.10	42	47					
76.00		0.3125	44.360	44.323	10976.5	35.89	141.95	42	47	164.1	9.24	2666.8	2666.8	34.1
78.00		0.3125	43.697	43.656	10488.1	35.32	139.83	42	48	299.4	9.24	2593.7	2593.7	63.0
80.00		0.3125	43.034	42.988	10014.4	34.76	137.71	42	48	294.8	9.24	2521.7	2521.7	63.0
82.00		0.3125	42.371	42.321	9555.2	34.19	135.59	42	48	290.3	9.24	2450.6	2450.6	63.0

Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Additional Reinforcing Area (in^2)	Ixp (in^4)	Iyp (in^4)	Weight (lb)
84.00		0.3125	41.707	41.654	9110.3	33.62	133.46	42	49	285.7	9.24	2380.6	2380.6	63.0
86.00		0.3125	41.044	40.986	8679.4	33.05	131.34	42	49	281.2	9.24	2311.6	2311.6	63.0
88.00		0.3125	40.381	40.319	8262.3	32.48	129.22	42	49	276.7	9.24	2243.6	2243.6	63.0
89.92	Bot - Section 6	0.3125	39.745	39.679	7875.3	31.94	127.19	42	50	260.9	9.24	2179.4	2179.4	60.4
90.00		0.3125	39.718	39.652	7858.8	31.91	127.10	42	50	20.4	9.24	2227.0	2227.0	2.6
92.00		0.3125	39.055	38.984	7468.6	31.34	124.97	42	50	484.7	9.24	2160.3	2160.3	63.0
94.00		0.3125	38.391	38.317	7091.6	30.77	122.85	42	50	476.6	9.24	2094.6	2094.6	63.0
94.92	Top - Section 5	0.2500	38.587	30.862	5789.6	39.21	154.35	42	45	215.7	9.24	2064.8	2064.8	28.9
96.00		0.2500	38.228	30.572	5628.4	38.83	152.91	42	46	113.2	9.24	2029.9	2029.9	34.1
98.00		0.2500	37.565	30.038	5338.6	38.12	150.26	42	46	206.2	9.24	1966.2	1966.2	63.0
100.00		0.2500	36.902	29.505	5059.0	37.41	147.61	42	46	202.6	9.24	1903.5	1903.5	63.0
102.00		0.2500	36.238	28.971	4789.3	36.70	144.95	42	47	199.0	9.24	1841.9	1841.9	63.0
104.00		0.2500	35.575	28.437	4529.4	35.99	142.30	42	47	195.3	9.24	1781.3	1781.3	63.0
106.00		0.2500	34.912	27.903	4279.0	35.27	139.65	42	48	191.7	9.24	1721.6	1721.6	63.0
108.00		0.2500	34.249	27.369	4038.1	34.56	137.00	42	48	188.1	9.24	1663.0	1663.0	63.0
109.00	RT2	0.2500	33.917	27.102	3921.1	34.21	135.67	42	48	92.7	9.24	1634.1	1634.1	31.5
109.92	Top - Section 6	0.2500	33.613	26.857	3815.8	33.88	134.45	42	48	84.2				
109.92	Bot - Section 7	0.2500	33.613	26.857	3815.8	33.88	134.45	42	48					
110.00		0.2500	33.586	26.835	3806.3	33.85	134.34	42	48	7.6				
112.00		0.2500	32.922	26.301	3583.6	33.14	131.69	42	49	180.8				
114.00		0.2500	32.259	25.767	3369.8	32.43	129.04	42	49	177.2				
116.00		0.2500	31.596	25.233	3164.7	31.72	126.38	42	50	173.5				
118.00		0.2500	30.933	24.700	2968.0	31.01	123.73	42	50	169.9				
120.00		0.2500	30.270	24.166	2779.7	30.30	121.08	42	50	166.3				
122.00		0.2500	29.606	23.632	2599.5	29.59	118.43	42	51	162.6				
124.00		0.2500	28.943	23.098	2427.2	28.88	115.77	42	51	159.0				
126.00		0.2500	28.280	22.564	2262.8	28.17	113.12	42	52	155.4				
128.00		0.2500	27.617	22.030	2105.9	27.46	110.47	42	52	151.7				
130.00		0.2500	26.953	21.496	1956.5	26.74	107.81	42	53	148.1				
132.00		0.2500	26.290	20.962	1814.3	26.03	105.16	42	53	144.5				
134.00		0.2500	25.627	20.428	1679.2	25.32	102.51	42	53	140.8				
136.00		0.2500	24.964	19.895	1551.0	24.61	99.86	42	53	137.2				
138.00		0.2500	24.301	19.361	1429.4	23.90	97.20	42	53	133.6				
140.00		0.2500	23.637	18.827	1314.4	23.19	94.55	42	53	129.9				
142.00		0.2500	22.974	18.293	1205.7	22.48	91.90	42	53	126.3				
144.00		0.2500	22.311	17.759	1103.2	21.77	89.24	42	53	122.7				
146.00		0.2500	21.648	17.225	1006.7	21.06	86.59	42	53	119.0				
147.00		0.2500	21.316	16.958	960.6	20.70	85.26	42	53	58.2				
148.00		0.2500	20.984	16.691	915.9	20.35	83.94	42	53	57.3				
150.00		0.2500	20.321	16.157	830.8	19.64	81.29	42	53	111.8				
152.00		0.2500	19.658	15.623	751.2	18.93	78.63	42	53	108.1				
154.00		0.2500	18.995	15.090	676.7	18.21	75.98	42	53	104.5				
156.00		0.2500	18.332	14.556	607.4	17.50	73.33	42	53	100.9				
157.00		0.2500	18.000	14.289	574.6	17.15	72.00	42	53	49.1				
									Total Weight	**29165.9**				**2491.1**

Wind Loading - Shaft

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

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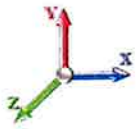
Tower Engineering Solutions

Load Case: 1.2D + 1.0W 118 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 24

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	0.70	23.027	25.33	572.43	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.70	23.027	25.33	566.86	0.950	0.000	2.00	11.708	11.12	281.7	0.0	775.6
4.00		1.00	0.70	23.027	25.33	561.29	0.950	0.000	2.00	11.594	11.01	279.0	0.0	768.0
6.00		1.00	0.70	23.027	25.33	555.72	0.950	0.000	2.00	11.479	10.91	276.2	0.0	760.4
8.00		1.00	0.70	23.027	25.33	550.15	0.950	0.000	2.00	11.365	10.80	273.5	0.0	752.7
10.00		1.00	0.70	23.027	25.33	544.59	0.950	0.000	2.00	11.251	10.69	270.7	0.0	745.1
11.92	Bot - Section 2	1.00	0.70	23.027	25.33	539.25	0.950	0.000	1.92	10.674	10.14	256.9	0.0	706.9
12.00		1.00	0.70	23.027	25.33	539.02	0.950	0.000	0.08	0.467	0.44	11.2	0.0	57.1
14.00		1.00	0.70	23.027	25.33	533.45	0.950	0.000	2.00	11.151	10.59	268.3	0.0	1363.5
16.00	RB1	1.00	0.70	23.027	25.33	527.88	0.950	0.000	2.00	11.037	10.48	265.6	0.0	1349.3
18.00		1.00	0.70	23.027	25.33	522.32	0.950	0.000	2.00	10.922	10.38	262.8	0.0	1335.1
20.00	Top - Section 1	1.00	0.70	23.027	25.33	516.75	0.950	0.000	2.00	10.808	10.27	260.1	0.0	1320.9
22.00		1.00	0.70	23.027	25.33	517.48	0.950	0.000	2.00	10.693	10.16	257.3	0.0	607.4
24.00		1.00	0.70	23.027	25.33	511.91	0.950	0.000	2.00	10.579	10.05	254.6	0.0	600.9
26.00		1.00	0.70	23.027	25.33	506.34	0.950	0.000	2.00	10.464	9.94	251.8	0.0	594.4
28.00		1.00	0.70	23.027	25.33	500.77	0.950	0.000	2.00	10.350	9.83	249.1	0.0	587.8
30.00		1.00	0.70	23.047	25.35	495.42	0.950	0.000	2.00	10.236	9.72	246.5	0.0	581.3
30.92	Top - Section 2	1.00	0.71	23.246	25.57	494.99	0.950	0.000	0.92	4.653	4.42	113.0	0.0	264.2
32.00		1.00	0.71	23.476	25.82	494.38	0.950	0.000	1.08	5.468	5.19	134.1	0.0	310.5
34.00		1.00	0.73	23.886	26.27	493.01	0.950	0.000	2.00	10.007	9.51	249.8	0.0	568.2
36.00		1.00	0.74	24.279	26.71	491.34	0.950	0.000	2.00	9.892	9.40	251.0	0.0	561.7
38.00		1.00	0.75	24.657	27.12	489.39	0.950	0.000	2.00	9.778	9.29	251.9	0.0	555.1
40.00		1.00	0.76	25.021	27.52	487.18	0.950	0.000	2.00	9.663	9.18	252.7	0.0	548.6
42.00		1.00	0.77	25.372	27.91	484.75	0.950	0.000	2.00	9.549	9.07	253.2	0.0	542.0
44.00		1.00	0.78	25.712	28.28	482.09	0.950	0.000	2.00	9.435	8.96	253.5	0.0	535.5
46.00		1.00	0.79	26.040	28.64	479.25	0.950	0.000	2.00	9.320	8.85	253.6	0.0	529.0
48.00		1.00	0.80	26.359	28.99	476.21	0.950	0.000	2.00	9.206	8.75	253.6	0.0	522.4
49.00	RT1	1.00	0.81	26.515	29.17	474.63	0.950	0.000	1.00	4.560	4.33	126.3	0.0	258.8
50.00		1.00	0.81	26.668	29.33	473.00	0.950	0.000	1.00	4.531	4.30	126.3	0.0	257.1
52.00		1.00	0.82	26.969	29.67	469.64	0.950	0.000	2.00	8.977	8.53	253.0	0.0	509.3
54.00		1.00	0.83	27.261	29.99	466.12	0.950	0.000	2.00	8.862	8.42	252.5	0.0	502.8
56.00		1.00	0.84	27.546	30.30	462.46	0.950	0.000	2.00	8.748	8.31	251.8	0.0	496.3
58.00		1.00	0.85	27.823	30.61	458.66	0.950	0.000	2.00	8.633	8.20	251.0	0.0	489.7
60.00		1.00	0.85	28.094	30.90	454.74	0.950	0.000	2.00	8.519	8.09	250.1	0.0	483.2
62.00		1.00	0.86	28.359	31.19	450.69	0.950	0.000	2.00	8.405	7.98	249.1	0.0	476.6
64.00		1.00	0.87	28.617	31.48	446.54	0.950	0.000	2.00	8.290	7.88	247.9	0.0	470.1
64.92	Bot - Section 4	1.00	0.87	28.734	31.61	444.59	0.950	0.000	0.92	3.761	3.57	112.9	0.0	213.3
66.00	RB2	1.00	0.88	28.870	31.76	442.27	0.950	0.000	1.08	4.473	4.25	134.9	0.0	461.9
68.00		1.00	0.89	29.117	32.03	437.90	0.950	0.000	2.00	8.169	7.76	248.6	0.0	843.5
70.00		1.00	0.89	29.359	32.30	433.43	0.950	0.000	2.00	8.055	7.65	247.1	0.0	831.5
70.92	Top - Section 3	1.00	0.90	29.469	32.42	431.35	0.950	0.000	0.92	3.653	3.47	112.5	0.0	377.1
72.00		1.00	0.90	29.596	32.56	434.81	0.950	0.000	1.08	4.287	4.07	132.6	0.0	202.8
74.00		1.00	0.91	29.829	32.81	430.18	0.950	0.000	2.00	7.826	7.43	243.9	0.0	370.1
74.92	Top - Section 4	1.00	0.91	29.934	32.93	428.03	0.950	0.000	0.92	3.549	3.37	111.0	0.0	167.8
76.00		1.00	0.91	30.057	33.06	425.46	0.950	0.000	1.08	4.163	3.95	130.8	0.0	196.9
78.00		1.00	0.92	30.281	33.31	420.66	0.950	0.000	2.00	7.597	7.22	240.4	0.0	359.2
80.00		1.00	0.93	30.501	33.55	415.78	0.950	0.000	2.00	7.483	7.11	238.5	0.0	353.8

Wind Loading - Shaft

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1
Topography: 1

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

7/7/2023

TES Tower Engineering Solutions

82.00	1.00	0.93	30.717	33.79	410.82	0.950	0.000	2.00	7.368	7.00	236.5	0.0	348.3
84.00	1.00	0.94	30.929	34.02	405.78	0.950	0.000	2.00	7.254	6.89	234.4	0.0	342.9
86.00	1.00	0.95	31.138	34.25	400.67	0.950	0.000	2.00	7.139	6.78	232.3	0.0	337.4
88.00	1.00	0.95	31.343	34.48	395.49	0.950	0.000	2.00	7.025	6.67	230.1	0.0	332.0
89.92 Bot - Section 6	1.00	0.96	31.536	34.69	390.47	0.950	0.000	1.92	6.625	6.29	218.3	0.0	313.0
90.00	1.00	0.96	31.545	34.70	390.25	0.950	0.000	0.08	0.289	0.27	9.5	0.0	24.4
92.00	1.00	0.96	31.744	34.92	384.94	0.950	0.000	2.00	6.882	6.54	228.3	0.0	581.7
94.00	1.00	0.97	31.939	35.13	379.57	0.950	0.000	2.00	6.768	6.43	225.9	0.0	571.9
94.92 Top - Section 5	1.00	0.97	32.028	35.23	377.08	0.950	0.000	0.92	3.064	2.91	102.5	0.0	258.8
96.00	1.00	0.98	32.132	35.35	379.09	0.950	0.000	1.08	3.590	3.41	120.5	0.0	135.9
98.00	1.00	0.98	32.322	35.55	373.61	0.950	0.000	2.00	6.539	6.21	220.9	0.0	247.5
100.00 Appurtenance(s)	1.00	0.99	32.509	35.76	368.08	0.950	0.000	2.00	6.424	6.10	218.3	0.0	243.1
102.00	1.00	0.99	32.693	35.96	362.49	0.950	0.000	2.00	6.310	5.99	215.6	0.0	238.8
104.00	1.00	1.00	32.875	36.16	356.84	0.950	0.000	2.00	6.196	5.89	212.8	0.0	234.4
106.00	1.00	1.00	33.055	36.36	351.14	0.950	0.000	2.00	6.081	5.78	210.1	0.0	230.1
108.00	1.00	1.01	33.232	36.55	345.39	0.950	0.000	2.00	5.967	5.67	207.2	0.0	225.7
109.00 RT2	1.00	1.01	33.319	36.65	342.50	0.950	0.000	1.00	2.940	2.79	102.4	0.0	111.2
109.92 Top - Section 6	1.00	1.02	33.399	36.74	339.84	0.950	0.000	0.92	2.670	2.54	93.2	0.0	101.0
110.00	1.00	1.02	33.406	36.75	339.59	0.950	0.000	0.08	0.242	0.23	8.4	0.0	9.1
112.00	1.00	1.02	33.579	36.94	333.75	0.950	0.000	2.00	5.738	5.45	201.3	0.0	217.0
114.00	1.00	1.03	33.749	37.12	327.85	0.950	0.000	2.00	5.623	5.34	198.3	0.0	212.6
116.00	1.00	1.03	33.917	37.31	321.91	0.950	0.000	2.00	5.509	5.23	195.3	0.0	208.3
118.00	1.00	1.04	34.083	37.49	315.92	0.950	0.000	2.00	5.395	5.12	192.1	0.0	203.9
120.00	1.00	1.04	34.247	37.67	309.89	0.950	0.000	2.00	5.280	5.02	189.0	0.0	199.5
122.00	1.00	1.05	34.409	37.85	303.82	0.950	0.000	2.00	5.166	4.91	185.7	0.0	195.2
124.00	1.00	1.05	34.570	38.03	297.70	0.950	0.000	2.00	5.051	4.80	182.5	0.0	190.8
126.00	1.00	1.06	34.728	38.20	291.55	0.950	0.000	2.00	4.937	4.69	179.2	0.0	186.5
128.00	1.00	1.06	34.885	38.37	285.35	0.950	0.000	2.00	4.822	4.58	175.8	0.0	182.1
130.00	1.00	1.07	35.039	38.54	279.12	0.950	0.000	2.00	4.708	4.47	172.4	0.0	177.7
132.00 Appurtenance(s)	1.00	1.07	35.193	38.71	272.84	0.950	0.000	2.00	4.593	4.36	168.9	0.0	173.4
134.00	1.00	1.07	35.344	38.88	266.53	0.950	0.000	2.00	4.479	4.26	165.4	0.0	169.0
136.00	1.00	1.08	35.494	39.04	260.18	0.950	0.000	2.00	4.365	4.15	161.9	0.0	164.7
138.00	1.00	1.08	35.642	39.21	253.80	0.950	0.000	2.00	4.250	4.04	158.3	0.0	160.3
140.00	1.00	1.09	35.789	39.37	247.38	0.950	0.000	2.00	4.136	3.93	154.7	0.0	155.9
142.00	1.00	1.09	35.935	39.53	240.93	0.950	0.000	2.00	4.021	3.82	151.0	0.0	151.6
144.00	1.00	1.10	36.078	39.69	234.44	0.950	0.000	2.00	3.907	3.71	147.3	0.0	147.2
146.00	1.00	1.10	36.221	39.84	227.92	0.950	0.000	2.00	3.792	3.60	143.5	0.0	142.9
147.00 Appurtenance(s)	1.00	1.10	36.292	39.92	224.65	0.950	0.000	1.00	1.853	1.76	70.3	0.0	69.8
148.00	1.00	1.11	36.362	40.00	221.37	0.950	0.000	1.00	1.825	1.73	69.3	0.0	68.7
150.00	1.00	1.11	36.502	40.15	214.78	0.950	0.000	2.00	3.564	3.39	135.9	0.0	134.1
152.00	1.00	1.11	36.640	40.30	208.17	0.950	0.000	2.00	3.449	3.28	132.1	0.0	129.8
154.00	1.00	1.12	36.777	40.45	201.52	0.950	0.000	2.00	3.335	3.17	128.2	0.0	125.4
156.00	1.00	1.12	36.913	40.60	194.84	0.950	0.000	2.00	3.220	3.06	124.2	0.0	121.1
157.00 Appurtenance(s)	1.00	1.12	36.981	40.68	191.49	0.950	0.000	1.00	1.567	1.49	60.6	0.0	58.9
							Totals:	**157.00**			**17,363.5**		**34,999.1**

Discrete Appurtenance Forces

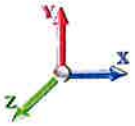
Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 118 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

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	157.00	Powerwave LGP21901	6	36.981	40.679	0.93	1.00	9.32	223.20	0.000	0.000	379.07	0.00	0.00
2	157.00	Andrew - SBNH-1D6565C	3	37.081	40.789	0.80	1.00	27.53	237.96	0.000	1.500	1122.85	0.00	1684.27
3	157.00	Cci HPA65R-BU8A	3	36.981	40.679	0.89	1.00	29.96	248.40	0.000	0.000	1218.62	0.00	0.00
4	157.00	Kathrein 800-10121	3	36.981	40.679	0.79	1.00	12.21	158.76	0.000	0.000	496.50	0.00	0.00
5	157.00	Sabre C10-857-804	3	36.981	40.679	0.56	0.75	31.27	1663.20	0.000	0.000	1271.99	0.00	0.00
6	157.00	CCI DTMABP7819VG12A	6	36.981	40.679	0.67	1.00	4.58	138.24	0.000	0.000	186.42	0.00	0.00
7	157.00	Lightning Rod	1	37.214	40.936	1.00	1.00	1.05	42.00	0.000	3.500	42.98	0.00	150.44
8	157.00	Kathrein 860 10025 RET	6	36.981	40.679	0.50	1.00	0.54	8.64	0.000	0.000	21.97	0.00	0.00
9	157.00	Ericsson RRUS-11 RRU	3	36.981	40.679	0.50	1.00	3.78	183.60	0.000	0.000	153.77	0.00	0.00
10	157.00	Ericsson RRUS 4415 B25	3	36.981	40.679	0.50	1.00	2.46	165.60	0.000	0.000	100.07	0.00	0.00
11	157.00	Raycap DC6-48-60-18-8F	2	36.981	40.679	1.00	1.00	1.84	76.32	0.000	0.000	74.85	0.00	0.00
12	157.00	Nokia CS72188.01 LMU	1	37.014	40.716	1.00	1.00	0.13	6.00	0.000	0.500	5.29	0.00	2.65
13	147.00	Sector Frame	3	36.292	39.921	0.56	0.75	29.53	1800.00	0.000	0.000	1178.91	0.00	0.00
14	147.00	Allgan ALP9212	9	36.292	39.921	0.54	0.80	21.80	288.36	0.000	0.000	870.45	0.00	0.00
15	132.00	DB844G65ZAXY	6	35.193	38.712	0.68	0.75	17.54	86.40	0.000	0.000	678.87	0.00	0.00
16	132.00	MT6407-77A	3	35.193	38.712	0.52	0.75	7.39	285.84	0.000	0.000	285.96	0.00	0.00
17	132.00	14' LP Platform	1	35.193	38.712	1.00	1.00	25.00	1800.00	0.000	0.000	967.80	0.00	0.00
18	132.00	BSF0020F3V1-1	6	35.193	38.712	0.50	0.75	3.59	47.52	0.000	0.000	138.89	0.00	0.00
19	132.00	GPS	1	35.193	38.712	0.75	0.75	0.75	12.00	0.000	0.000	29.03	0.00	0.00
20	132.00	SBNHH-1D65B	6	35.193	38.712	0.62	0.75	30.18	365.04	0.000	0.000	1168.28	0.00	0.00
21	132.00	Collar Mount (3-Sided)	1	35.193	38.712	1.00	1.00	2.50	264.00	0.000	0.000	96.78	0.00	0.00
22	132.00	Samsung	3	35.193	38.712	0.38	0.75	2.10	268.92	0.000	0.000	81.44	0.00	0.00
23	132.00	RFS DB-C1-12C-24AB-0Z	1	35.193	38.712	0.75	0.75	3.04	38.40	0.000	0.000	117.88	0.00	0.00
24	132.00	Samsung	3	35.193	38.712	0.38	0.75	2.10	253.19	0.000	0.000	81.44	0.00	0.00
25	132.00	HRK12 (Handrail Kit)	1	35.193	38.712	1.00	1.00	6.75	314.06	0.000	0.000	261.31	0.00	0.00
26	132.00	(3) SFS-H (V-Braces)	1	35.193	38.712	1.00	1.00	6.30	236.40	0.000	0.000	243.88	0.00	0.00
27	100.00	15'x2.875"mount pipe	3	32.509	35.760	1.00	1.00	12.93	313.20	0.000	0.000	462.37	0.00	0.00
28	100.00	742 213	3	32.509	35.760	0.72	1.00	11.06	79.20	0.000	0.000	395.47	0.00	0.00
							Totals:		**9,604.45**			**12,133.15**		

Total Applied Force Summary

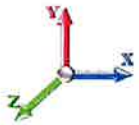
Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 118 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

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		281.74	875.17	0.00	0.00
4.00		278.99	867.54	0.00	0.00
6.00		276.23	859.91	0.00	0.00
8.00		273.48	852.28	0.00	0.00
10.00		270.73	844.65	0.00	0.00
11.92		256.86	802.30	0.00	0.00
12.00		11.24	61.27	0.00	0.00
14.00		268.33	1462.99	0.00	0.00
16.00		265.58	1448.82	0.00	0.00
18.00		262.83	1434.65	0.00	0.00
20.00		260.07	1420.48	0.00	0.00
22.00		257.32	706.98	0.00	0.00
24.00		254.56	700.44	0.00	0.00
26.00		251.81	693.90	0.00	0.00
28.00		249.06	687.36	0.00	0.00
30.00		246.51	680.82	0.00	0.00
30.92		113.03	309.85	0.00	0.00
32.00		134.14	364.42	0.00	0.00
34.00		249.77	667.73	0.00	0.00
36.00		250.98	661.19	0.00	0.00
38.00		251.94	654.65	0.00	0.00
40.00		252.67	648.11	0.00	0.00
42.00		253.18	641.57	0.00	0.00
44.00		253.49	635.03	0.00	0.00
46.00		253.62	628.49	0.00	0.00
48.00		253.57	621.95	0.00	0.00
49.00		126.35	308.52	0.00	0.00
50.00		126.28	306.89	0.00	0.00
52.00		252.99	608.87	0.00	0.00
54.00		252.47	602.33	0.00	0.00
56.00		251.81	595.79	0.00	0.00
58.00		251.02	589.25	0.00	0.00
60.00		250.11	582.71	0.00	0.00
62.00		249.07	576.17	0.00	0.00
64.00		247.92	569.63	0.00	0.00
64.92		112.94	258.90	0.00	0.00
66.00		134.94	515.82	0.00	0.00
68.00		248.57	943.05	0.00	0.00
70.00		247.12	931.06	0.00	0.00
70.92		112.51	422.73	0.00	0.00
72.00		132.58	256.69	0.00	0.00
74.00		243.94	469.68	0.00	0.00
74.92		111.00	213.45	0.00	0.00
76.00		130.75	250.78	0.00	0.00
78.00		240.40	458.78	0.00	0.00
80.00		238.49	453.33	0.00	0.00

Total Applied Force Summary

Structure:	CT00252-S-SBA		**Code:**	TIA-222-H	7/7/2023
Site Name:	Prospect		**Exposure:**	B	
Height:	157.00 (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

Tower Engineering Solutions

82.00		236.51	447.88	0.00	0.00
84.00		234.45	442.43	0.00	0.00
86.00		232.30	436.98	0.00	0.00
88.00		230.09	431.53	0.00	0.00
89.92		218.32	408.44	0.00	0.00
90.00		9.53	28.60	0.00	0.00
92.00		228.30	681.21	0.00	0.00
94.00		225.88	671.40	0.00	0.00
94.92		102.54	304.44	0.00	0.00
96.00		120.53	189.79	0.00	0.00
98.00		220.86	347.03	0.00	0.00
100.00	(6) attachments	1076.10	735.07	0.00	0.00
102.00		215.58	323.33	0.00	0.00
104.00		212.85	318.97	0.00	0.00
106.00		210.06	314.61	0.00	0.00
108.00		207.21	310.25	0.00	0.00
109.00		102.38	153.49	0.00	0.00
109.92		93.20	139.74	0.00	0.00
110.00		8.43	12.66	0.00	0.00
112.00		201.34	301.53	0.00	0.00
114.00		198.32	297.17	0.00	0.00
116.00		195.26	292.81	0.00	0.00
118.00		192.14	288.45	0.00	0.00
120.00		188.97	284.09	0.00	0.00
122.00		185.75	279.73	0.00	0.00
124.00		182.48	275.37	0.00	0.00
126.00		179.16	271.01	0.00	0.00
128.00		175.80	266.65	0.00	0.00
130.00		172.39	262.29	0.00	0.00
132.00	(33) attachments	4320.49	4229.70	0.00	0.00
134.00		165.43	220.84	0.00	0.00
136.00		161.89	216.48	0.00	0.00
138.00		158.30	212.12	0.00	0.00
140.00		154.68	207.76	0.00	0.00
142.00		151.01	203.40	0.00	0.00
144.00		147.30	199.04	0.00	0.00
146.00		143.55	194.68	0.00	0.00
147.00	(12) attachments	2119.65	2184.06	0.00	0.00
148.00		69.34	83.38	0.00	0.00
150.00		135.93	163.49	0.00	0.00
152.00		132.06	159.13	0.00	0.00
154.00		128.16	154.77	0.00	0.00
156.00		124.22	150.41	0.00	0.00
157.00	(40) attachments	5134.95	3225.49	0.00	1837.36
	Totals:	**29,496.65**	**51,468.73**	**0.00**	**1,837.36**

Linear Appurtenance Segment Forces (Factored)

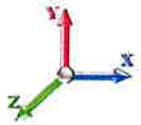
Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 118 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

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	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.014	0.000	23.027	0.00	0.66
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.014	0.000	23.027	0.00	2.50
4.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	0.66
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00	2.50
6.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	0.66
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00	2.50
8.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	0.66
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00	2.50
10.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	0.66
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00	2.50
11.92	Safety Cable	Yes	1.92	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	0.63
11.92	Step bolts (ladder)	Yes	1.92	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00	2.39
12.00	Safety Cable	Yes	0.08	0.000	0.38	0.00	0.00	0.015	0.000	23.027	0.00	0.03
12.00	Step bolts (ladder)	Yes	0.08	0.000	0.63	0.00	0.00	0.015	0.000	23.027	0.00	0.10
14.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	0.66
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00	2.50
16.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	23.027	0.00	0.66
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	23.027	0.00	2.50
16.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.031	0.000	23.027	0.00	0.00
18.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.046	0.000	23.027	0.00	0.66
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.046	0.000	23.027	0.00	2.50
18.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.046	0.000	23.027	0.00	0.00
20.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.047	0.000	23.027	0.00	0.66
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.047	0.000	23.027	0.00	2.50
20.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	23.027	0.00	0.00
22.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.047	0.000	23.027	0.00	0.66
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.047	0.000	23.027	0.00	2.50
22.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	23.027	0.00	0.00
24.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.047	0.000	23.027	0.00	0.66
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.047	0.000	23.027	0.00	2.50
24.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	23.027	0.00	0.00
26.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.048	0.000	23.027	0.00	0.66
26.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.048	0.000	23.027	0.00	2.50
26.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.048	0.000	23.027	0.00	0.00
28.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.048	0.000	23.027	0.00	0.66
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.048	0.000	23.027	0.00	2.50
28.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.048	0.000	23.027	0.00	0.00
30.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.049	0.000	23.047	0.00	0.66
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.049	0.000	23.047	0.00	2.50
30.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.049	0.000	23.047	0.00	0.00
30.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.049	0.000	23.246	0.00	0.30
30.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.049	0.000	23.246	0.00	1.14
30.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.049	0.000	23.246	0.00	0.00
32.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.050	0.000	23.476	0.00	0.35
32.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.050	0.000	23.476	0.00	1.35
32.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.050	0.000	23.476	0.00	0.00
34.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.050	0.000	23.886	0.00	0.66

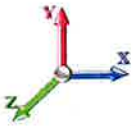
Linear Appurtenance Segment Forces (Factored)

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 118 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 24

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)
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.050	0.000	23.886	0.00	2.50
34.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.050	0.000	23.886	0.00	0.00
36.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.051	0.000	24.279	0.00	0.66
36.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.051	0.000	24.279	0.00	2.50
36.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.051	0.000	24.279	0.00	0.00
38.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.051	0.000	24.657	0.00	0.66
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.051	0.000	24.657	0.00	2.50
38.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.051	0.000	24.657	0.00	0.00
40.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.052	0.000	25.021	0.00	0.66
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.052	0.000	25.021	0.00	2.50
40.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.052	0.000	25.021	0.00	0.00
42.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.053	0.000	25.372	0.00	0.66
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.053	0.000	25.372	0.00	2.50
42.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.053	0.000	25.372	0.00	0.00
44.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.053	0.000	25.712	0.00	0.66
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.053	0.000	25.712	0.00	2.50
44.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.053	0.000	25.712	0.00	0.00
46.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.054	0.000	26.040	0.00	0.66
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.054	0.000	26.040	0.00	2.50
46.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.054	0.000	26.040	0.00	0.00
48.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.054	0.000	26.359	0.00	0.66
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.054	0.000	26.359	0.00	2.50
48.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.054	0.000	26.359	0.00	0.00
49.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.055	0.000	26.515	0.00	0.33
49.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.055	0.000	26.515	0.00	1.25
49.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.055	0.000	26.515	0.00	0.00
50.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.055	0.000	26.668	0.00	0.33
50.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.055	0.000	26.668	0.00	1.25
50.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.055	0.000	26.668	0.00	0.00
52.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	26.969	0.00	0.66
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	26.969	0.00	2.50
54.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	27.261	0.00	0.66
54.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	27.261	0.00	2.50
56.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	27.546	0.00	0.66
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	27.546	0.00	2.50
58.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	27.823	0.00	0.66
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	27.823	0.00	2.50
60.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	28.094	0.00	0.66
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	28.094	0.00	2.50
62.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	28.359	0.00	0.66
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	28.359	0.00	2.50
64.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	28.617	0.00	0.66
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	28.617	0.00	2.50
64.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.021	0.000	28.734	0.00	0.30
64.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.021	0.000	28.734	0.00	1.14
66.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.058	0.000	28.870	0.00	0.35
66.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.058	0.000	28.870	0.00	1.35

Linear Appurtenance Segment Forces (Factored)

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (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	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 118 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 24

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)
66.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.058	0.000	28.870	0.00	0.00
68.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.062	0.000	29.117	0.00	0.66
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.062	0.000	29.117	0.00	2.50
68.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.062	0.000	29.117	0.00	0.00
70.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.063	0.000	29.359	0.00	0.66
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.063	0.000	29.359	0.00	2.50
70.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.063	0.000	29.359	0.00	0.00
70.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.064	0.000	29.469	0.00	0.30
70.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.064	0.000	29.469	0.00	1.14
70.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.064	0.000	29.469	0.00	0.00
72.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.063	0.000	29.596	0.00	0.35
72.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.063	0.000	29.596	0.00	1.35
72.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.063	0.000	29.596	0.00	0.00
74.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.064	0.000	29.829	0.00	0.66
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.064	0.000	29.829	0.00	2.50
74.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.064	0.000	29.829	0.00	0.00
74.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.065	0.000	29.934	0.00	0.30
74.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.065	0.000	29.934	0.00	1.14
74.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.065	0.000	29.934	0.00	0.00
76.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.065	0.000	30.057	0.00	0.35
76.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.065	0.000	30.057	0.00	1.35
76.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.065	0.000	30.057	0.00	0.00
78.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.066	0.000	30.281	0.00	0.66
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.066	0.000	30.281	0.00	2.50
78.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.066	0.000	30.281	0.00	0.00
80.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.067	0.000	30.501	0.00	0.66
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.067	0.000	30.501	0.00	2.50
80.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.067	0.000	30.501	0.00	0.00
82.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.068	0.000	30.717	0.00	0.66
82.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.068	0.000	30.717	0.00	2.50
82.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.068	0.000	30.717	0.00	0.00
84.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.069	0.000	30.929	0.00	0.66
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.069	0.000	30.929	0.00	2.50
84.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.069	0.000	30.929	0.00	0.00
86.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.070	0.000	31.138	0.00	0.66
86.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.070	0.000	31.138	0.00	2.50
86.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.070	0.000	31.138	0.00	0.00
88.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.071	0.000	31.343	0.00	0.66
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.071	0.000	31.343	0.00	2.50
88.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.071	0.000	31.343	0.00	0.00
89.92	Safety Cable	Yes	1.92	0.000	0.38	0.06	0.00	0.073	0.000	31.536	0.00	0.63
89.92	Step bolts (ladder)	Yes	1.92	0.000	0.63	0.10	0.00	0.073	0.000	31.536	0.00	2.39
89.92	1" Reinforcing plate	Yes	1.92	0.000	2.00	0.32	0.00	0.073	0.000	31.536	0.00	0.00
90.00	Safety Cable	Yes	0.08	0.000	0.38	0.00	0.00	0.073	0.000	31.545	0.00	0.03
90.00	Step bolts (ladder)	Yes	0.08	0.000	0.63	0.00	0.00	0.073	0.000	31.545	0.00	0.10
90.00	1" Reinforcing plate	Yes	0.08	0.000	2.00	0.01	0.00	0.073	0.000	31.545	0.00	0.00
92.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.074	0.000	31.744	0.00	0.66

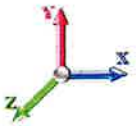
Linear Appurtenance Segment Forces (Factored)

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 118 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 24

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)
92.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.074	0.000	31.744	0.00	2.50
92.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.074	0.000	31.744	0.00	0.00
94.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.075	0.000	31.939	0.00	0.66
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.075	0.000	31.939	0.00	2.50
94.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.075	0.000	31.939	0.00	0.00
94.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.076	0.000	32.028	0.00	0.30
94.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.076	0.000	32.028	0.00	1.14
94.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.076	0.000	32.028	0.00	0.00
96.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.076	0.000	32.132	0.00	0.35
96.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.076	0.000	32.132	0.00	1.35
96.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.076	0.000	32.132	0.00	0.00
98.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.077	0.000	32.322	0.00	0.66
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.077	0.000	32.322	0.00	2.50
98.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.077	0.000	32.322	0.00	0.00
100.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.078	0.000	32.509	0.00	0.66
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.078	0.000	32.509	0.00	2.50
100.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.078	0.000	32.509	0.00	0.00
102.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.080	0.000	32.693	0.00	0.66
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.080	0.000	32.693	0.00	2.50
102.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.080	0.000	32.693	0.00	0.00
104.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.081	0.000	32.875	0.00	0.66
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.081	0.000	32.875	0.00	2.50
104.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.081	0.000	32.875	0.00	0.00
106.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.082	0.000	33.055	0.00	0.66
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.082	0.000	33.055	0.00	2.50
106.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.082	0.000	33.055	0.00	0.00
108.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.084	0.000	33.232	0.00	0.66
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.084	0.000	33.232	0.00	2.50
108.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.084	0.000	33.232	0.00	0.00
109.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.085	0.000	33.319	0.00	0.33
109.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.085	0.000	33.319	0.00	1.25
109.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.085	0.000	33.319	0.00	0.00
109.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.086	0.000	33.399	0.00	0.30
109.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.086	0.000	33.399	0.00	1.14
109.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.086	0.000	33.399	0.00	0.00
110.00	Safety Cable	Yes	0.08	0.000	0.38	0.00	0.00	0.087	0.000	33.406	0.00	0.03
110.00	Step bolts (ladder)	Yes	0.08	0.000	0.63	0.00	0.00	0.087	0.000	33.406	0.00	0.10
110.00	1" Reinforcing plate	Yes	0.08	0.000	2.00	0.01	0.00	0.087	0.000	33.406	0.00	0.00
112.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.029	0.000	33.579	0.00	0.66
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.029	0.000	33.579	0.00	2.50
114.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.030	0.000	33.749	0.00	0.66
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.030	0.000	33.749	0.00	2.50
116.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	33.917	0.00	0.66
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	33.917	0.00	2.50
118.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	34.083	0.00	0.66
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	34.083	0.00	2.50
120.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.032	0.000	34.247	0.00	0.66

Linear Appurtenance Segment Forces (Factored)

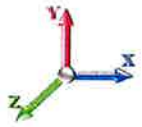
Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 118 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

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)
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.032	0.000	34.247	0.00	2.50
122.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	34.409	0.00	0.66
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.033	0.000	34.409	0.00	2.50
124.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	34.570	0.00	0.66
124.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.033	0.000	34.570	0.00	2.50
126.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.034	0.000	34.728	0.00	0.66
126.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.034	0.000	34.728	0.00	2.50
128.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.035	0.000	34.885	0.00	0.66
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.035	0.000	34.885	0.00	2.50
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.036	0.000	35.039	0.00	0.66
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.036	0.000	35.039	0.00	2.50
132.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.037	0.000	35.193	0.00	0.66
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.037	0.000	35.193	0.00	2.50
134.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.038	0.000	35.344	0.00	0.66
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.038	0.000	35.344	0.00	2.50
136.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.039	0.000	35.494	0.00	0.66
136.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.039	0.000	35.494	0.00	2.50
138.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.040	0.000	35.642	0.00	0.66
138.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.040	0.000	35.642	0.00	2.50
140.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.041	0.000	35.789	0.00	0.66
140.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.041	0.000	35.789	0.00	2.50
142.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.042	0.000	35.935	0.00	0.66
142.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.042	0.000	35.935	0.00	2.50
144.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.043	0.000	36.078	0.00	0.66
144.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.043	0.000	36.078	0.00	2.50
146.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.044	0.000	36.221	0.00	0.66
146.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.044	0.000	36.221	0.00	2.50
147.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.045	0.000	36.292	0.00	0.33
147.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.045	0.000	36.292	0.00	1.25
148.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.046	0.000	36.362	0.00	0.33
148.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.046	0.000	36.362	0.00	1.25
150.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.047	0.000	36.502	0.00	0.66
150.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.047	0.000	36.502	0.00	2.50
152.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.049	0.000	36.640	0.00	0.66
152.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.049	0.000	36.640	0.00	2.50
154.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.050	0.000	36.777	0.00	0.66
154.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.050	0.000	36.777	0.00	2.50
156.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.052	0.000	36.913	0.00	0.66
156.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.052	0.000	36.913	0.00	2.50
157.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.054	0.000	36.981	0.00	0.33
157.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.054	0.000	36.981	0.00	1.25
										Totals:	**0.0**	**247.4**

Calculated Forces

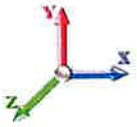
Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 118 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 24

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	-51.46	-29.51	0.00	-3036.1	0.00	3036.15	3884.21	1082.32	6110.61	5372.74	0.00	0.000	0.000	0.579
2.00	-50.57	-29.25	0.00	-2977.1	0.00	2977.13	3865.76	1071.73	5991.56	5294.53	0.01	-0.031	0.000	0.576
4.00	-49.69	-29.00	0.00	-2918.6	0.00	2918.62	3846.93	1061.13	5873.68	5216.31	0.03	-0.061	0.000	0.573
6.00	-48.81	-28.75	0.00	-2860.6	0.00	2860.62	3827.70	1050.54	5756.97	5138.08	0.06	-0.093	0.000	0.570
8.00	-47.94	-28.50	0.00	-2803.1	0.00	2803.12	3808.09	1039.94	5641.43	5059.86	0.11	-0.124	0.000	0.567
10.00	-47.08	-28.26	0.00	-2746.1	0.00	2746.11	3788.09	1029.35	5527.07	4981.66	0.16	-0.156	0.000	0.564
11.92	-46.27	-28.01	0.00	-2691.9	0.00	2691.96	3768.56	1019.19	5418.57	4906.76	0.23	-0.187	0.000	0.562
12.00	-46.21	-28.01	0.00	-2689.6	0.00	2689.62	3767.70	1018.75	5413.87	4903.51	0.24	-0.188	0.000	0.562
14.00	-44.73	-27.76	0.00	-2633.6	0.00	2633.60	3746.93	1008.16	5301.85	4825.41	0.32	-0.221	0.000	0.558
16.00	-43.26	-27.52	0.00	-2578.0	0.00	2578.08	3725.77	997.56	5191.00	4747.39	0.42	-0.254	0.000	0.496
18.00	-41.82	-27.27	0.00	-2523.0	0.00	2523.05	3704.22	986.97	5081.32	4669.46	0.54	-0.283	0.000	0.493
20.00	-40.38	-27.02	0.00	-2468.5	0.00	2468.51	2938.21	848.02	4376.49	3716.58	0.66	-0.313	0.000	0.539
22.00	-39.66	-26.78	0.00	-2414.4	0.00	2414.47	2924.62	838.93	4283.25	3659.53	0.80	-0.343	0.000	0.592
24.00	-38.95	-26.55	0.00	-2360.9	0.00	2360.91	2910.64	829.85	4191.02	3602.38	0.95	-0.377	0.000	0.587
26.00	-38.24	-26.31	0.00	-2307.8	0.00	2307.82	2896.28	820.77	4099.80	3545.13	1.12	-0.411	0.000	0.583
28.00	-37.54	-26.08	0.00	-2255.1	0.00	2255.19	2881.53	811.69	4009.57	3487.80	1.30	-0.445	0.000	0.578
30.00	-36.85	-25.84	0.00	-2203.0	0.00	2203.03	2866.39	802.61	3920.36	3430.42	1.49	-0.479	0.000	0.573
30.92	-36.53	-25.74	0.00	-2179.3	0.00	2179.34	2859.32	798.45	3879.80	3404.10	1.58	-0.496	0.000	0.570
30.92	-36.53	-25.74	0.00	-2179.3	0.00	2179.34	2859.32	798.45	3879.80	3404.10	1.58	-0.496	0.000	0.570
32.00	-36.16	-25.62	0.00	-2151.4	0.00	2151.46	2850.86	793.53	3832.14	3372.99	1.70	-0.515	0.000	0.568
34.00	-35.48	-25.39	0.00	-2100.2	0.00	2100.22	2834.95	784.44	3744.93	3315.53	1.92	-0.550	0.000	0.563
36.00	-34.80	-25.15	0.00	-2049.4	0.00	2049.45	2818.65	775.36	3658.72	3258.05	2.16	-0.585	0.000	0.558
38.00	-34.14	-24.91	0.00	-1999.1	0.00	1999.15	2801.96	766.28	3573.52	3200.58	2.41	-0.621	0.000	0.553
40.00	-33.47	-24.67	0.00	-1949.3	0.00	1949.32	2784.89	757.20	3489.32	3143.12	2.68	-0.657	0.000	0.548
42.00	-32.82	-24.43	0.00	-1899.9	0.00	1899.97	2767.43	748.12	3406.12	3085.70	2.97	-0.693	0.000	0.543
44.00	-32.17	-24.19	0.00	-1851.1	0.00	1851.11	2749.58	739.04	3323.93	3028.33	3.26	-0.730	0.000	0.538
46.00	-31.53	-23.95	0.00	-1802.7	0.00	1802.72	2731.34	729.96	3242.74	2971.03	3.58	-0.767	0.000	0.533
48.00	-30.90	-23.71	0.00	-1754.8	0.00	1754.82	2712.72	720.87	3162.56	2913.81	3.91	-0.804	0.000	0.528
49.00	-30.59	-23.58	0.00	-1731.1	0.00	1731.11	2703.26	716.33	3122.84	2885.23	4.08	-0.823	0.000	0.525
49.00	-30.59	-23.58	0.00	-1731.1	0.00	1731.11	2703.26	716.33	3122.84	2885.23	4.08	-0.823	0.000	0.609
50.00	-30.27	-23.47	0.00	-1707.5	0.00	1707.53	2693.71	711.79	3083.38	2856.68	4.25	-0.842	0.000	0.610
52.00	-29.65	-23.23	0.00	-1660.5	0.00	1660.59	2674.32	702.71	3005.20	2799.67	4.62	-0.886	0.000	0.605
54.00	-29.03	-22.99	0.00	-1614.1	0.00	1614.13	2654.53	693.63	2928.03	2742.78	5.00	-0.931	0.000	0.601
56.00	-28.42	-22.75	0.00	-1568.1	0.00	1568.14	2634.36	684.55	2851.86	2686.04	5.40	-0.976	0.000	0.596
58.00	-27.82	-22.51	0.00	-1522.6	0.00	1522.64	2613.81	675.47	2776.69	2629.46	5.82	-1.022	0.000	0.591
60.00	-27.22	-22.28	0.00	-1477.6	0.00	1477.61	2592.86	666.39	2702.53	2573.06	6.25	-1.068	0.000	0.586
62.00	-26.63	-22.04	0.00	-1433.0	0.00	1433.06	2571.53	657.30	2629.37	2516.85	6.71	-1.115	0.000	0.581
64.00	-26.05	-21.79	0.00	-1388.9	0.00	1388.99	2549.81	648.22	2557.22	2460.85	7.19	-1.162	0.000	0.576
64.92	-25.79	-21.69	0.00	-1369.0	0.00	1369.01	2539.73	644.06	2524.48	2435.25	7.42	-1.184	0.000	0.573
66.00	-25.26	-21.56	0.00	-1345.5	0.00	1345.52	2527.71	639.14	2486.07	2405.07	7.69	-1.210	0.000	0.478
68.00	-24.31	-21.30	0.00	-1302.4	0.00	1302.41	2505.22	630.06	2415.92	2349.53	8.20	-1.250	0.000	0.472
70.00	-23.38	-21.05	0.00	-1259.8	0.00	1259.80	2482.34	620.98	2346.78	2294.24	8.74	-1.291	0.000	0.466
70.92	-22.95	-20.93	0.00	-1240.5	0.00	1240.51	1926.34	521.86	1988.87	1797.99	8.99	-1.310	0.000	0.510
72.00	-22.68	-20.81	0.00	-1217.8	0.00	1217.83	1918.38	517.76	1957.74	1776.40	9.29	-1.332	0.000	0.567
74.00	-22.21	-20.57	0.00	-1176.2	0.00	1176.21	1903.38	510.19	1900.93	1736.57	9.85	-1.378	0.000	0.558
74.92	-21.99	-20.46	0.00	-1157.3	0.00	1157.36	1896.38	506.72	1875.17	1718.34	10.12	-1.399	0.000	0.554
74.92	-21.99	-20.46	0.00	-1157.3	0.00	1157.36	1896.38	506.72	1875.17	1718.34	10.12	-1.399	0.000	0.554
76.00	-21.73	-20.34	0.00	-1135.1	0.00	1135.19	1888.00	502.62	1844.95	1696.81	10.44	-1.425	0.000	0.549

Calculated Forces

Structure: CT00252-S-SBA | **Code:** TIA-222-H | 7/7/2023

Site Name: Prospect | **Exposure:** B

Height: 157.00 (ft) | **Crest Height:** 0.00

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

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

Tower Engineering Solutions

78.00	-21.26	-20.10	0.00	-1094.5	0.00	1094.52	1872.23	495.06	1789.81	1657.12	11.05	-1.471	0.000	0.541
80.00	-20.79	-19.87	0.00	-1054.3	0.00	1054.31	1856.07	487.49	1735.51	1617.53	11.67	-1.518	0.000	0.532
82.00	-20.34	-19.64	0.00	-1014.5	0.00	1014.58	1839.53	479.92	1682.04	1578.04	12.32	-1.565	0.000	0.522
84.00	-19.89	-19.41	0.00	-975.30	0.00	975.30	1822.60	472.35	1629.41	1538.68	12.99	-1.612	0.000	0.513
86.00	-19.44	-19.18	0.00	-936.49	0.00	936.49	1805.28	464.78	1577.62	1499.46	13.67	-1.659	0.000	0.504
88.00	-19.00	-18.95	0.00	-898.13	0.00	898.13	1787.57	457.22	1526.66	1460.40	14.38	-1.707	0.000	0.494
89.92	-18.59	-18.73	0.00	-861.81	0.00	861.81	1770.24	449.96	1478.61	1423.12	15.07	-1.752	0.000	0.485
90.00	-18.55	-18.73	0.00	-860.25	0.00	860.25	1769.48	449.65	1476.54	1421.50	15.10	-1.754	0.000	0.482
92.00	-17.86	-18.49	0.00	-822.79	0.00	822.79	1751.00	442.08	1427.26	1382.80	15.85	-1.802	0.000	0.472
94.00	-17.19	-18.26	0.00	-785.81	0.00	785.81	1732.14	434.51	1378.81	1344.29	16.61	-1.849	0.000	0.461
94.92	-16.88	-18.15	0.00	-769.08	0.00	769.08	1262.32	349.97	1118.08	987.98	16.97	-1.872	0.000	0.513
96.00	-16.68	-18.03	0.00	-749.42	0.00	749.42	1256.50	346.69	1097.22	974.14	17.40	-1.898	0.000	0.578
98.00	-16.33	-17.82	0.00	-713.35	0.00	713.35	1245.44	340.64	1059.23	948.60	18.21	-1.952	0.000	0.562
100.00	-15.61	-16.73	0.00	-677.71	0.00	677.71	1234.00	334.58	1021.92	923.07	19.04	-2.006	0.000	0.546
102.00	-15.28	-16.52	0.00	-644.25	0.00	644.25	1222.17	328.53	985.27	897.56	19.89	-2.060	0.000	0.530
104.00	-14.96	-16.31	0.00	-611.21	0.00	611.21	1209.95	322.47	949.29	872.10	20.76	-2.114	0.000	0.515
106.00	-14.63	-16.10	0.00	-578.59	0.00	578.59	1197.35	316.42	913.98	846.70	21.66	-2.168	0.000	0.499
108.00	-14.32	-15.89	0.00	-546.39	0.00	546.39	1184.36	310.36	879.34	821.38	22.58	-2.221	0.000	0.483
109.00	-14.16	-15.79	0.00	-530.50	0.00	530.50	1177.71	307.34	862.27	808.75	23.05	-2.248	0.000	0.475
109.00	-14.16	-15.79	0.00	-530.50	0.00	530.50	1177.71	307.34	862.27	808.75	23.05	-2.248	0.000	0.662
109.92	-14.02	-15.70	0.00	-516.02	0.00	516.02	1171.54	304.56	846.77	797.19	23.48	-2.272	0.000	0.662
109.92	-14.02	-15.70	0.00	-516.02	0.00	516.02	1171.54	304.56	846.77	797.19	23.48	-2.272	0.000	0.662
110.00	-14.00	-15.70	0.00	-514.72	0.00	514.72	1170.98	304.31	845.36	796.14	23.52	-2.276	0.000	0.661
112.00	-13.69	-15.50	0.00	-483.33	0.00	483.33	1157.21	298.26	812.06	771.01	24.49	-2.350	0.000	0.641
114.00	-13.38	-15.31	0.00	-452.33	0.00	452.33	1143.06	292.20	779.43	746.01	25.49	-2.424	0.000	0.621
116.00	-13.08	-15.12	0.00	-421.71	0.00	421.71	1128.52	286.15	747.46	721.14	26.52	-2.498	0.000	0.599
118.00	-12.78	-14.93	0.00	-391.48	0.00	391.48	1113.60	280.09	716.17	696.43	27.59	-2.571	0.000	0.576
120.00	-12.48	-14.74	0.00	-361.62	0.00	361.62	1098.28	274.04	685.54	671.88	28.68	-2.644	0.000	0.552
122.00	-12.20	-14.56	0.00	-332.14	0.00	332.14	1082.58	267.98	655.59	647.53	29.80	-2.715	0.000	0.527
124.00	-11.91	-14.38	0.00	-303.03	0.00	303.03	1066.50	261.93	626.30	623.37	30.96	-2.784	0.000	0.500
126.00	-11.63	-14.20	0.00	-274.27	0.00	274.27	1050.02	255.88	597.68	599.43	32.14	-2.852	0.000	0.472
128.00	-11.36	-14.02	0.00	-245.88	0.00	245.88	1033.16	249.82	569.73	575.73	33.35	-2.917	0.000	0.441
130.00	-11.09	-13.85	0.00	-217.83	0.00	217.83	1015.91	243.77	542.45	552.28	34.58	-2.980	0.000	0.409
132.00	-7.09	-9.32	0.00	-190.14	0.00	190.14	998.40	237.71	515.84	529.15	35.84	-3.039	0.000	0.368
134.00	-6.87	-9.15	0.00	-171.50	0.00	171.50	972.97	231.66	489.90	502.41	37.13	-3.096	0.000	0.350
136.00	-6.65	-8.98	0.00	-153.20	0.00	153.20	947.54	225.60	464.63	476.37	38.44	-3.151	0.000	0.330
138.00	-6.44	-8.82	0.00	-135.24	0.00	135.24	922.11	219.55	440.03	451.02	39.77	-3.204	0.000	0.308
140.00	-6.23	-8.66	0.00	-117.61	0.00	117.61	896.68	213.50	416.09	426.36	41.12	-3.254	0.000	0.284
142.00	-6.03	-8.50	0.00	-100.29	0.00	100.29	871.26	207.44	392.83	402.40	42.49	-3.301	0.000	0.258
144.00	-5.84	-8.34	0.00	-83.30	0.00	83.30	845.83	201.39	370.23	379.13	43.89	-3.345	0.000	0.228
146.00	-5.65	-8.19	0.00	-66.61	0.00	66.61	820.40	195.33	348.31	356.55	45.30	-3.383	0.000	0.195
147.00	-3.59	-5.95	0.00	-58.42	0.00	58.42	807.68	192.31	337.59	345.53	46.01	-3.401	0.000	0.174
148.00	-3.51	-5.88	0.00	-52.47	0.00	52.47	794.97	189.28	327.05	334.67	46.72	-3.417	0.000	0.162
150.00	-3.35	-5.73	0.00	-40.72	0.00	40.72	769.54	183.22	306.46	313.48	48.16	-3.446	0.000	0.135
152.00	-3.20	-5.59	0.00	-29.25	0.00	29.25	744.11	177.17	286.54	292.98	49.61	-3.470	0.000	0.105
154.00	-3.05	-5.46	0.00	-18.07	0.00	18.07	718.69	171.12	267.29	273.18	51.06	-3.488	0.000	0.071
156.00	-2.91	-5.32	0.00	-7.16	0.00	7.16	693.26	165.06	248.71	254.07	52.53	-3.499	0.000	0.033
157.00	0.00	-5.13	0.00	-1.84	0.00	1.84	680.54	162.03	239.68	244.77	53.26	-3.501	0.000	0.009

Wind Loading - Shaft

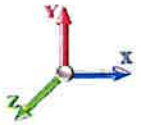
Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 118 mph Wind
Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 24

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	0.70	23.027	25.33	572.43	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.70	23.027	25.33	566.86	0.950	0.000	2.00	11.708	11.12	281.7	0.0	581.7
4.00		1.00	0.70	23.027	25.33	561.29	0.950	0.000	2.00	11.594	11.01	279.0	0.0	576.0
6.00		1.00	0.70	23.027	25.33	555.72	0.950	0.000	2.00	11.479	10.91	276.2	0.0	570.3
8.00		1.00	0.70	23.027	25.33	550.15	0.950	0.000	2.00	11.365	10.80	273.5	0.0	564.6
10.00		1.00	0.70	23.027	25.33	544.59	0.950	0.000	2.00	11.251	10.69	270.7	0.0	558.8
11.92	Bot - Section 2	1.00	0.70	23.027	25.33	539.25	0.950	0.000	1.92	10.674	10.14	256.9	0.0	530.2
12.00		1.00	0.70	23.027	25.33	539.02	0.950	0.000	0.08	0.467	0.44	11.2	0.0	42.8
14.00		1.00	0.70	23.027	25.33	533.45	0.950	0.000	2.00	11.151	10.59	268.3	0.0	1022.6
16.00	RB1	1.00	0.70	23.027	25.33	527.88	0.950	0.000	2.00	11.037	10.48	265.6	0.0	1012.0
18.00		1.00	0.70	23.027	25.33	522.32	0.950	0.000	2.00	10.922	10.38	262.8	0.0	1001.3
20.00	Top - Section 1	1.00	0.70	23.027	25.33	516.75	0.950	0.000	2.00	10.808	10.27	260.1	0.0	990.7
22.00		1.00	0.70	23.027	25.33	517.48	0.950	0.000	2.00	10.693	10.16	257.3	0.0	455.6
24.00		1.00	0.70	23.027	25.33	511.91	0.950	0.000	2.00	10.579	10.05	254.6	0.0	450.7
26.00		1.00	0.70	23.027	25.33	506.34	0.950	0.000	2.00	10.464	9.94	251.8	0.0	445.8
28.00		1.00	0.70	23.027	25.33	500.77	0.950	0.000	2.00	10.350	9.83	249.1	0.0	440.9
30.00		1.00	0.70	23.047	25.35	495.42	0.950	0.000	2.00	10.236	9.72	246.5	0.0	436.0
30.92	Top - Section 2	1.00	0.71	23.246	25.57	494.99	0.950	0.000	0.92	4.653	4.42	113.0	0.0	198.2
32.00		1.00	0.71	23.476	25.82	494.38	0.950	0.000	1.08	5.468	5.19	134.1	0.0	232.9
34.00		1.00	0.73	23.886	26.27	493.01	0.950	0.000	2.00	10.007	9.51	249.8	0.0	426.1
36.00		1.00	0.74	24.279	26.71	491.34	0.950	0.000	2.00	9.892	9.40	251.0	0.0	421.2
38.00		1.00	0.75	24.657	27.12	489.39	0.950	0.000	2.00	9.778	9.29	251.9	0.0	416.3
40.00		1.00	0.76	25.021	27.52	487.18	0.950	0.000	2.00	9.663	9.18	252.7	0.0	411.4
42.00		1.00	0.77	25.372	27.91	484.75	0.950	0.000	2.00	9.549	9.07	253.2	0.0	406.5
44.00		1.00	0.78	25.712	28.28	482.09	0.950	0.000	2.00	9.435	8.96	253.5	0.0	401.6
46.00		1.00	0.79	26.040	28.64	479.25	0.950	0.000	2.00	9.320	8.85	253.6	0.0	396.7
48.00		1.00	0.80	26.359	28.99	476.21	0.950	0.000	2.00	9.206	8.75	253.6	0.0	391.8
49.00	RT1	1.00	0.81	26.515	29.17	474.63	0.950	0.000	1.00	4.560	4.33	126.3	0.0	194.1
50.00		1.00	0.81	26.668	29.33	473.00	0.950	0.000	1.00	4.531	4.30	126.3	0.0	192.8
52.00		1.00	0.82	26.969	29.67	469.64	0.950	0.000	2.00	8.977	8.53	253.0	0.0	382.0
54.00		1.00	0.83	27.261	29.99	466.12	0.950	0.000	2.00	8.862	8.42	252.5	0.0	377.1
56.00		1.00	0.84	27.546	30.30	462.46	0.950	0.000	2.00	8.748	8.31	251.8	0.0	372.2
58.00		1.00	0.85	27.823	30.61	458.66	0.950	0.000	2.00	8.633	8.20	251.0	0.0	367.3
60.00		1.00	0.85	28.094	30.90	454.74	0.950	0.000	2.00	8.519	8.09	250.1	0.0	362.4
62.00		1.00	0.86	28.359	31.19	450.69	0.950	0.000	2.00	8.405	7.98	249.1	0.0	357.5
64.00		1.00	0.87	28.617	31.48	446.54	0.950	0.000	2.00	8.290	7.88	247.9	0.0	352.6
64.92	Bot - Section 4	1.00	0.87	28.734	31.61	444.59	0.950	0.000	0.92	3.761	3.57	112.9	0.0	160.0
66.00	RB2	1.00	0.88	28.870	31.76	442.27	0.950	0.000	1.08	4.473	4.25	134.9	0.0	346.4
68.00		1.00	0.89	29.117	32.03	437.90	0.950	0.000	2.00	8.169	7.76	248.6	0.0	632.6
70.00		1.00	0.89	29.359	32.30	433.43	0.950	0.000	2.00	8.055	7.65	247.1	0.0	623.6
70.92	Top - Section 3	1.00	0.90	29.469	32.42	431.35	0.950	0.000	0.92	3.653	3.47	112.5	0.0	282.8
72.00		1.00	0.90	29.596	32.56	434.81	0.950	0.000	1.08	4.287	4.07	132.6	0.0	152.1
74.00		1.00	0.91	29.829	32.81	430.18	0.950	0.000	2.00	7.826	7.43	243.9	0.0	277.6
74.92	Top - Section 4	1.00	0.91	29.934	32.93	428.03	0.950	0.000	0.92	3.549	3.37	111.0	0.0	125.9
76.00		1.00	0.91	30.057	33.06	425.46	0.950	0.000	1.08	4.163	3.95	130.8	0.0	147.7
78.00		1.00	0.92	30.281	33.31	420.66	0.950	0.000	2.00	7.597	7.22	240.4	0.0	269.4
80.00		1.00	0.93	30.501	33.55	415.78	0.950	0.000	2.00	7.483	7.11	238.5	0.0	265.3

Wind Loading - Shaft

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1
Topography: 1

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

7/7/2023

TES Tower Engineering Solutions

82.00	1.00	0.93	30.717	33.79	410.82	0.950	0.000	2.00	7.368	7.00	236.5	0.0	261.3
84.00	1.00	0.94	30.929	34.02	405.78	0.950	0.000	2.00	7.254	6.89	234.4	0.0	257.2
86.00	1.00	0.95	31.138	34.25	400.67	0.950	0.000	2.00	7.139	6.78	232.3	0.0	253.1
88.00	1.00	0.95	31.343	34.48	395.49	0.950	0.000	2.00	7.025	6.67	230.1	0.0	249.0
89.92 Bot - Section 6	1.00	0.96	31.536	34.69	390.47	0.950	0.000	1.92	6.625	6.29	218.3	0.0	234.8
90.00	1.00	0.96	31.545	34.70	390.25	0.950	0.000	0.08	0.289	0.27	9.5	0.0	18.3
92.00	1.00	0.96	31.744	34.92	384.94	0.950	0.000	2.00	6.882	6.54	228.3	0.0	436.3
94.00	1.00	0.97	31.939	35.13	379.57	0.950	0.000	2.00	6.768	6.43	225.9	0.0	428.9
94.92 Top - Section 5	1.00	0.97	32.028	35.23	377.08	0.950	0.000	0.92	3.064	2.91	102.5	0.0	194.1
96.00	1.00	0.98	32.132	35.35	379.09	0.950	0.000	1.08	3.590	3.41	120.5	0.0	101.9
98.00	1.00	0.98	32.322	35.55	373.61	0.950	0.000	2.00	6.539	6.21	220.9	0.0	185.6
100.00 Appurtenance(s)	1.00	0.99	32.509	35.76	368.08	0.950	0.000	2.00	6.424	6.10	218.3	0.0	182.4
102.00	1.00	0.99	32.693	35.96	362.49	0.950	0.000	2.00	6.310	5.99	215.6	0.0	179.1
104.00	1.00	1.00	32.875	36.16	356.84	0.950	0.000	2.00	6.196	5.89	212.8	0.0	175.8
106.00	1.00	1.00	33.055	36.36	351.14	0.950	0.000	2.00	6.081	5.78	210.1	0.0	172.5
108.00	1.00	1.01	33.232	36.55	345.39	0.950	0.000	2.00	5.967	5.67	207.2	0.0	169.3
109.00 RT2	1.00	1.01	33.319	36.65	342.50	0.950	0.000	1.00	2.940	2.79	102.4	0.0	83.4
109.92 Top - Section 6	1.00	1.02	33.399	36.74	339.84	0.950	0.000	0.92	2.670	2.54	93.2	0.0	75.7
110.00	1.00	1.02	33.406	36.75	339.59	0.950	0.000	0.08	0.242	0.23	8.4	0.0	6.9
112.00	1.00	1.02	33.579	36.94	333.75	0.950	0.000	2.00	5.738	5.45	201.3	0.0	162.7
114.00	1.00	1.03	33.749	37.12	327.85	0.950	0.000	2.00	5.623	5.34	198.3	0.0	159.5
116.00	1.00	1.03	33.917	37.31	321.91	0.950	0.000	2.00	5.509	5.23	195.3	0.0	156.2
118.00	1.00	1.04	34.083	37.49	315.92	0.950	0.000	2.00	5.395	5.12	192.1	0.0	152.9
120.00	1.00	1.04	34.247	37.67	309.89	0.950	0.000	2.00	5.280	5.02	189.0	0.0	149.6
122.00	1.00	1.05	34.409	37.85	303.82	0.950	0.000	2.00	5.166	4.91	185.7	0.0	146.4
124.00	1.00	1.05	34.570	38.03	297.70	0.950	0.000	2.00	5.051	4.80	182.5	0.0	143.1
126.00	1.00	1.06	34.728	38.20	291.55	0.950	0.000	2.00	4.937	4.69	179.2	0.0	139.8
128.00	1.00	1.06	34.885	38.37	285.35	0.950	0.000	2.00	4.822	4.58	175.8	0.0	136.6
130.00	1.00	1.07	35.039	38.54	279.12	0.950	0.000	2.00	4.708	4.47	172.4	0.0	133.3
132.00 Appurtenance(s)	1.00	1.07	35.193	38.71	272.84	0.950	0.000	2.00	4.593	4.36	168.9	0.0	130.0
134.00	1.00	1.07	35.344	38.88	266.53	0.950	0.000	2.00	4.479	4.26	165.4	0.0	126.8
136.00	1.00	1.08	35.494	39.04	260.18	0.950	0.000	2.00	4.365	4.15	161.9	0.0	123.5
138.00	1.00	1.08	35.642	39.21	253.80	0.950	0.000	2.00	4.250	4.04	158.3	0.0	120.2
140.00	1.00	1.09	35.789	39.37	247.38	0.950	0.000	2.00	4.136	3.93	154.7	0.0	116.9
142.00	1.00	1.09	35.935	39.53	240.93	0.950	0.000	2.00	4.021	3.82	151.0	0.0	113.7
144.00	1.00	1.10	36.078	39.69	234.44	0.950	0.000	2.00	3.907	3.71	147.3	0.0	110.4
146.00	1.00	1.10	36.221	39.84	227.92	0.950	0.000	2.00	3.792	3.60	143.5	0.0	107.1
147.00 Appurtenance(s)	1.00	1.10	36.292	39.92	224.65	0.950	0.000	1.00	1.853	1.76	70.3	0.0	52.3
148.00	1.00	1.11	36.362	40.00	221.37	0.950	0.000	1.00	1.825	1.73	69.3	0.0	51.5
150.00	1.00	1.11	36.502	40.15	214.78	0.950	0.000	2.00	3.564	3.39	135.9	0.0	100.6
152.00	1.00	1.11	36.640	40.30	208.17	0.950	0.000	2.00	3.449	3.28	132.1	0.0	97.3
154.00	1.00	1.12	36.777	40.45	201.52	0.950	0.000	2.00	3.335	3.17	128.2	0.0	94.1
156.00	1.00	1.12	36.913	40.60	194.84	0.950	0.000	2.00	3.220	3.06	124.2	0.0	90.8
157.00 Appurtenance(s)	1.00	1.12	36.981	40.68	191.49	0.950	0.000	1.00	1.567	1.49	60.6	0.0	44.2
							Totals:	**157.00**			**17,363.5**		**26,249.3**

Discrete Appurtenance Forces

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 24	

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 118 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00

Iterations 24

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	157.00	Powerwave LGP21901	6	36.981	40.679	0.93	1.00	9.32	167.40	0.000	0.000	379.07	0.00	0.00
2	157.00	Andrew - SBNH-1D6565C	3	37.081	40.789	0.80	1.00	27.53	178.47	0.000	1.500	1122.85	0.00	1684.27
3	157.00	Cci HPA65R-BU8A	3	36.981	40.679	0.89	1.00	29.96	186.30	0.000	0.000	1218.62	0.00	0.00
4	157.00	Kathrein 800-10121	3	36.981	40.679	0.79	1.00	12.21	119.07	0.000	0.000	496.50	0.00	0.00
5	157.00	Sabre C10-857-804	3	36.981	40.679	0.56	0.75	31.27	1247.40	0.000	0.000	1271.99	0.00	0.00
6	157.00	CCI DTMABP7819VG12A	6	36.981	40.679	0.67	1.00	4.58	103.68	0.000	0.000	186.42	0.00	0.00
7	157.00	Lightning Rod	1	37.214	40.936	1.00	1.00	1.05	31.50	0.000	3.500	42.98	0.00	150.44
8	157.00	Kathrein 860 10025 RET	6	36.981	40.679	0.50	1.00	0.54	6.48	0.000	0.000	21.97	0.00	0.00
9	157.00	Ericsson RRUS-11 RRU	3	36.981	40.679	0.50	1.00	3.78	137.70	0.000	0.000	153.77	0.00	0.00
10	157.00	Ericsson RRUS 4415 B25	3	36.981	40.679	0.50	1.00	2.46	124.20	0.000	0.000	100.07	0.00	0.00
11	157.00	Raycap DC6-48-60-18-8F	2	36.981	40.679	1.00	1.00	1.84	57.24	0.000	0.000	74.85	0.00	0.00
12	157.00	Nokia CS72188.01 LMU	1	37.014	40.716	1.00	1.00	0.13	4.50	0.000	0.500	5.29	0.00	2.65
13	147.00	Sector Frame	3	36.292	39.921	0.56	0.75	29.53	1350.00	0.000	0.000	1178.91	0.00	0.00
14	147.00	Allgan ALP9212	9	36.292	39.921	0.54	0.80	21.80	216.27	0.000	0.000	870.45	0.00	0.00
15	132.00	DB844G65ZAXY	6	35.193	38.712	0.68	0.75	17.54	64.80	0.000	0.000	678.87	0.00	0.00
16	132.00	MT6407-77A	3	35.193	38.712	0.52	0.75	7.39	214.38	0.000	0.000	285.96	0.00	0.00
17	132.00	14' LP Platform	1	35.193	38.712	1.00	1.00	25.00	1350.00	0.000	0.000	967.80	0.00	0.00
18	132.00	BSF0020F3V1-1	6	35.193	38.712	0.50	0.75	3.59	35.64	0.000	0.000	138.89	0.00	0.00
19	132.00	GPS	1	35.193	38.712	0.75	0.75	0.75	9.00	0.000	0.000	29.03	0.00	0.00
20	132.00	SBNHH-1D65B	6	35.193	38.712	0.62	0.75	30.18	273.78	0.000	0.000	1168.28	0.00	0.00
21	132.00	Collar Mount (3-Sided)	1	35.193	38.712	1.00	1.00	2.50	198.00	0.000	0.000	96.78	0.00	0.00
22	132.00	Samsung	3	35.193	38.712	0.38	0.75	2.10	201.69	0.000	0.000	81.44	0.00	0.00
23	132.00	RFS DB-C1-12C-24AB-0Z	1	35.193	38.712	0.75	0.75	3.04	28.80	0.000	0.000	117.88	0.00	0.00
24	132.00	Samsung	3	35.193	38.712	0.38	0.75	2.10	189.89	0.000	0.000	81.44	0.00	0.00
25	132.00	HRK12 (Handrail Kit)	1	35.193	38.712	1.00	1.00	6.75	235.55	0.000	0.000	261.31	0.00	0.00
26	132.00	(3) SFS-H (V-Braces)	1	35.193	38.712	1.00	1.00	6.30	177.30	0.000	0.000	243.88	0.00	0.00
27	100.00	15'x2.875"mount pipe	3	32.509	35.760	1.00	1.00	12.93	234.90	0.000	0.000	462.37	0.00	0.00
28	100.00	742 213	3	32.509	35.760	0.72	1.00	11.06	59.40	0.000	0.000	395.47	0.00	0.00
							Totals:		**7,203.34**			**12,133.15**		

Total Applied Force Summary

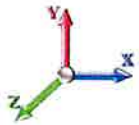
Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 118 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 24

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		281.74	656.38	0.00	0.00
4.00		278.99	650.65	0.00	0.00
6.00		276.23	644.93	0.00	0.00
8.00		273.48	639.21	0.00	0.00
10.00		270.73	633.49	0.00	0.00
11.92		256.86	601.72	0.00	0.00
12.00		11.24	45.95	0.00	0.00
14.00		268.33	1097.24	0.00	0.00
16.00		265.58	1086.61	0.00	0.00
18.00		262.83	1075.99	0.00	0.00
20.00		260.07	1065.36	0.00	0.00
22.00		257.32	530.23	0.00	0.00
24.00		254.56	525.33	0.00	0.00
26.00		251.81	520.42	0.00	0.00
28.00		249.06	515.52	0.00	0.00
30.00		246.51	510.61	0.00	0.00
30.92		113.03	232.39	0.00	0.00
32.00		134.14	273.32	0.00	0.00
34.00		249.77	500.80	0.00	0.00
36.00		250.98	495.90	0.00	0.00
38.00		251.94	490.99	0.00	0.00
40.00		252.67	486.09	0.00	0.00
42.00		253.18	481.18	0.00	0.00
44.00		253.49	476.28	0.00	0.00
46.00		253.62	471.37	0.00	0.00
48.00		253.57	466.47	0.00	0.00
49.00		126.35	231.39	0.00	0.00
50.00		126.28	230.17	0.00	0.00
52.00		252.99	456.66	0.00	0.00
54.00		252.47	451.75	0.00	0.00
56.00		251.81	446.84	0.00	0.00
58.00		251.02	441.94	0.00	0.00
60.00		250.11	437.03	0.00	0.00
62.00		249.07	432.13	0.00	0.00
64.00		247.92	427.22	0.00	0.00
64.92		112.94	194.17	0.00	0.00
66.00		134.94	386.87	0.00	0.00
68.00		248.57	707.29	0.00	0.00
70.00		247.12	698.29	0.00	0.00
70.92		112.51	317.05	0.00	0.00
72.00		132.58	192.52	0.00	0.00
74.00		243.94	352.26	0.00	0.00
74.92		111.00	160.09	0.00	0.00
76.00		130.75	188.09	0.00	0.00
78.00		240.40	344.09	0.00	0.00
80.00		238.49	340.00	0.00	0.00

Total Applied Force Summary

Structure:	CT00252-S-SBA		**Code:**	TIA-222-H	7/7/2023
Site Name:	Prospect		**Exposure:**	B	
Height:	157.00 (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

82.00		236.51	335.91	0.00	0.00
84.00		234.45	331.82	0.00	0.00
86.00		232.30	327.74	0.00	0.00
88.00		230.09	323.65	0.00	0.00
89.92		218.32	306.33	0.00	0.00
90.00		9.53	21.45	0.00	0.00
92.00		228.30	510.90	0.00	0.00
94.00		225.88	503.55	0.00	0.00
94.92		102.54	228.33	0.00	0.00
96.00		120.53	142.35	0.00	0.00
98.00		220.86	260.27	0.00	0.00
100.00	(6) attachments	1076.10	551.30	0.00	0.00
102.00		215.58	242.50	0.00	0.00
104.00		212.85	239.23	0.00	0.00
106.00		210.06	235.96	0.00	0.00
108.00		207.21	232.69	0.00	0.00
109.00		102.38	115.12	0.00	0.00
109.92		93.20	104.81	0.00	0.00
110.00		8.43	9.49	0.00	0.00
112.00		201.34	226.15	0.00	0.00
114.00		198.32	222.88	0.00	0.00
116.00		195.26	219.61	0.00	0.00
118.00		192.14	216.34	0.00	0.00
120.00		188.97	213.07	0.00	0.00
122.00		185.75	209.80	0.00	0.00
124.00		182.48	206.53	0.00	0.00
126.00		179.16	203.26	0.00	0.00
128.00		175.80	199.99	0.00	0.00
130.00		172.39	196.72	0.00	0.00
132.00	(33) attachments	4320.49	3172.28	0.00	0.00
134.00		165.43	165.63	0.00	0.00
136.00		161.89	162.36	0.00	0.00
138.00		158.30	159.09	0.00	0.00
140.00		154.68	155.82	0.00	0.00
142.00		151.01	152.55	0.00	0.00
144.00		147.30	149.28	0.00	0.00
146.00		143.55	146.01	0.00	0.00
147.00	(12) attachments	2119.65	1638.05	0.00	0.00
148.00		69.34	62.54	0.00	0.00
150.00		135.93	122.62	0.00	0.00
152.00		132.06	119.35	0.00	0.00
154.00		128.16	116.08	0.00	0.00
156.00		124.22	112.81	0.00	0.00
157.00	(40) attachments	5134.95	2419.12	0.00	1837.36
	Totals:	**29,496.65**	**38,601.54**	**0.00**	**1,837.36**

Linear Appurtenance Segment Forces (Factored)

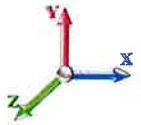
Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

IES Tower Engineering Solutions

Load Case: 0.9D + 1.0W 118 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 24

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	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.014	0.000	23.027	0.00	0.49
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.014	0.000	23.027	0.00	1.87
4.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	0.49
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00	1.87
6.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	0.49
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00	1.87
8.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	0.49
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00	1.87
10.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	0.49
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00	1.87
11.92	Safety Cable	Yes	1.92	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	0.47
11.92	Step bolts (ladder)	Yes	1.92	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00	1.79
12.00	Safety Cable	Yes	0.08	0.000	0.38	0.00	0.00	0.015	0.000	23.027	0.00	0.02
12.00	Step bolts (ladder)	Yes	0.08	0.000	0.63	0.00	0.00	0.015	0.000	23.027	0.00	0.08
14.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	0.49
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00	1.87
16.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	23.027	0.00	0.49
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	23.027	0.00	1.87
16.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.031	0.000	23.027	0.00	0.00
18.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.046	0.000	23.027	0.00	0.49
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.046	0.000	23.027	0.00	1.87
18.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.046	0.000	23.027	0.00	0.00
20.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.047	0.000	23.027	0.00	0.49
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.047	0.000	23.027	0.00	1.87
20.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	23.027	0.00	0.00
22.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.047	0.000	23.027	0.00	0.49
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.047	0.000	23.027	0.00	1.87
22.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	23.027	0.00	0.00
24.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.047	0.000	23.027	0.00	0.49
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.047	0.000	23.027	0.00	1.87
24.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	23.027	0.00	0.00
26.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.048	0.000	23.027	0.00	0.49
26.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.048	0.000	23.027	0.00	1.87
26.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.048	0.000	23.027	0.00	0.00
28.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.048	0.000	23.027	0.00	0.49
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.048	0.000	23.027	0.00	1.87
28.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.048	0.000	23.027	0.00	0.00
30.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.049	0.000	23.047	0.00	0.49
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.049	0.000	23.047	0.00	1.87
30.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.049	0.000	23.047	0.00	0.00
30.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.049	0.000	23.246	0.00	0.23
30.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.049	0.000	23.246	0.00	0.86
30.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.049	0.000	23.246	0.00	0.00
32.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.050	0.000	23.476	0.00	0.27
32.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.050	0.000	23.476	0.00	1.01
32.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.050	0.000	23.476	0.00	0.00
34.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.050	0.000	23.886	0.00	0.49

Linear Appurtenance Segment Forces (Factored)

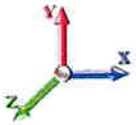
Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 118 mph Wind
Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 24

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)
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.050	0.000	23.886	0.00	1.87
34.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.050	0.000	23.886	0.00	0.00
36.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.051	0.000	24.279	0.00	0.49
36.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.051	0.000	24.279	0.00	1.87
36.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.051	0.000	24.279	0.00	0.00
38.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.051	0.000	24.657	0.00	0.49
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.051	0.000	24.657	0.00	1.87
38.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.051	0.000	24.657	0.00	0.00
40.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.052	0.000	25.021	0.00	0.49
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.052	0.000	25.021	0.00	1.87
40.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.052	0.000	25.021	0.00	0.00
42.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.053	0.000	25.372	0.00	0.49
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.053	0.000	25.372	0.00	1.87
42.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.053	0.000	25.372	0.00	0.00
44.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.053	0.000	25.712	0.00	0.49
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.053	0.000	25.712	0.00	1.87
44.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.053	0.000	25.712	0.00	0.00
46.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.054	0.000	26.040	0.00	0.49
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.054	0.000	26.040	0.00	1.87
46.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.054	0.000	26.040	0.00	0.00
48.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.054	0.000	26.359	0.00	0.49
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.054	0.000	26.359	0.00	1.87
48.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.054	0.000	26.359	0.00	0.00
49.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.055	0.000	26.515	0.00	0.25
49.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.055	0.000	26.515	0.00	0.94
49.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.055	0.000	26.515	0.00	0.00
50.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.055	0.000	26.668	0.00	0.25
50.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.055	0.000	26.668	0.00	0.94
50.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.055	0.000	26.668	0.00	0.00
52.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	26.969	0.00	0.49
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	26.969	0.00	1.87
54.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	27.261	0.00	0.49
54.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	27.261	0.00	1.87
56.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	27.546	0.00	0.49
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	27.546	0.00	1.87
58.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	27.823	0.00	0.49
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	27.823	0.00	1.87
60.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	28.094	0.00	0.49
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	28.094	0.00	1.87
62.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	28.359	0.00	0.49
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	28.359	0.00	1.87
64.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	28.617	0.00	0.49
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	28.617	0.00	1.87
64.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.021	0.000	28.734	0.00	0.23
64.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.021	0.000	28.734	0.00	0.86
66.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.058	0.000	28.870	0.00	0.27
66.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.058	0.000	28.870	0.00	1.01

Linear Appurtenance Segment Forces (Factored)

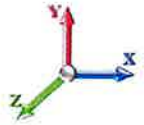
Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 29	

TES Tower Engineering Solutions

Load Case: 0.9D + 1.0W 118 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 24

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)
66.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.058	0.000	28.870	0.00	0.00
68.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.062	0.000	29.117	0.00	0.49
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.062	0.000	29.117	0.00	1.87
68.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.062	0.000	29.117	0.00	0.00
70.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.063	0.000	29.359	0.00	0.49
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.063	0.000	29.359	0.00	1.87
70.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.063	0.000	29.359	0.00	0.00
70.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.064	0.000	29.469	0.00	0.23
70.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.064	0.000	29.469	0.00	0.86
70.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.064	0.000	29.469	0.00	0.00
72.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.063	0.000	29.596	0.00	0.27
72.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.063	0.000	29.596	0.00	1.01
72.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.063	0.000	29.596	0.00	0.00
74.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.064	0.000	29.829	0.00	0.49
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.064	0.000	29.829	0.00	1.87
74.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.064	0.000	29.829	0.00	0.00
74.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.065	0.000	29.934	0.00	0.23
74.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.065	0.000	29.934	0.00	0.86
74.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.065	0.000	29.934	0.00	0.00
76.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.065	0.000	30.057	0.00	0.27
76.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.065	0.000	30.057	0.00	1.01
76.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.065	0.000	30.057	0.00	0.00
78.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.066	0.000	30.281	0.00	0.49
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.066	0.000	30.281	0.00	1.87
78.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.066	0.000	30.281	0.00	0.00
80.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.067	0.000	30.501	0.00	0.49
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.067	0.000	30.501	0.00	1.87
80.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.067	0.000	30.501	0.00	0.00
82.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.068	0.000	30.717	0.00	0.49
82.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.068	0.000	30.717	0.00	1.87
82.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.068	0.000	30.717	0.00	0.00
84.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.069	0.000	30.929	0.00	0.49
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.069	0.000	30.929	0.00	1.87
84.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.069	0.000	30.929	0.00	0.00
86.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.070	0.000	31.138	0.00	0.49
86.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.070	0.000	31.138	0.00	1.87
86.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.070	0.000	31.138	0.00	0.00
88.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.071	0.000	31.343	0.00	0.49
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.071	0.000	31.343	0.00	1.87
88.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.071	0.000	31.343	0.00	0.00
89.92	Safety Cable	Yes	1.92	0.000	0.38	0.06	0.00	0.073	0.000	31.536	0.00	0.47
89.92	Step bolts (ladder)	Yes	1.92	0.000	0.63	0.10	0.00	0.073	0.000	31.536	0.00	1.79
89.92	1" Reinforcing plate	Yes	1.92	0.000	2.00	0.32	0.00	0.073	0.000	31.536	0.00	0.00
90.00	Safety Cable	Yes	0.08	0.000	0.38	0.00	0.00	0.073	0.000	31.545	0.00	0.02
90.00	Step bolts (ladder)	Yes	0.08	0.000	0.63	0.00	0.00	0.073	0.000	31.545	0.00	0.08
90.00	1" Reinforcing plate	Yes	0.08	0.000	2.00	0.01	0.00	0.073	0.000	31.545	0.00	0.00
92.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.074	0.000	31.744	0.00	0.49

Linear Appurtenance Segment Forces (Factored)

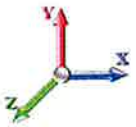
Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 118 mph Wind
Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 24

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)
92.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.074	0.000	31.744	0.00	1.87
92.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.074	0.000	31.744	0.00	0.00
94.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.075	0.000	31.939	0.00	0.49
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.075	0.000	31.939	0.00	1.87
94.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.075	0.000	31.939	0.00	0.00
94.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.076	0.000	32.028	0.00	0.23
94.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.076	0.000	32.028	0.00	0.86
94.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.076	0.000	32.028	0.00	0.00
96.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.076	0.000	32.132	0.00	0.27
96.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.076	0.000	32.132	0.00	1.01
96.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.076	0.000	32.132	0.00	0.00
98.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.077	0.000	32.322	0.00	0.49
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.077	0.000	32.322	0.00	1.87
98.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.077	0.000	32.322	0.00	0.00
100.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.078	0.000	32.509	0.00	0.49
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.078	0.000	32.509	0.00	1.87
100.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.078	0.000	32.509	0.00	0.00
102.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.080	0.000	32.693	0.00	0.49
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.080	0.000	32.693	0.00	1.87
102.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.080	0.000	32.693	0.00	0.00
104.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.081	0.000	32.875	0.00	0.49
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.081	0.000	32.875	0.00	1.87
104.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.081	0.000	32.875	0.00	0.00
106.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.082	0.000	33.055	0.00	0.49
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.082	0.000	33.055	0.00	1.87
106.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.082	0.000	33.055	0.00	0.00
108.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.084	0.000	33.232	0.00	0.49
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.084	0.000	33.232	0.00	1.87
108.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.084	0.000	33.232	0.00	0.00
109.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.085	0.000	33.319	0.00	0.25
109.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.085	0.000	33.319	0.00	0.94
109.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.085	0.000	33.319	0.00	0.00
109.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.086	0.000	33.399	0.00	0.23
109.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.086	0.000	33.399	0.00	0.86
109.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.086	0.000	33.399	0.00	0.00
110.00	Safety Cable	Yes	0.08	0.000	0.38	0.00	0.00	0.087	0.000	33.406	0.00	0.02
110.00	Step bolts (ladder)	Yes	0.08	0.000	0.63	0.00	0.00	0.087	0.000	33.406	0.00	0.08
110.00	1" Reinforcing plate	Yes	0.08	0.000	2.00	0.01	0.00	0.087	0.000	33.406	0.00	0.00
112.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.029	0.000	33.579	0.00	0.49
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.029	0.000	33.579	0.00	1.87
114.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.030	0.000	33.749	0.00	0.49
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.030	0.000	33.749	0.00	1.87
116.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	33.917	0.00	0.49
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	33.917	0.00	1.87
118.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	34.083	0.00	0.49
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	34.083	0.00	1.87
120.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.032	0.000	34.247	0.00	0.49

Linear Appurtenance Segment Forces (Factored)

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (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	

TES Tower Engineering Solutions

Load Case: 0.9D + 1.0W 118 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00

Iterations 24

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)
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.032	0.000	34.247	0.00	1.87
122.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	34.409	0.00	0.49
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.033	0.000	34.409	0.00	1.87
124.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	34.570	0.00	0.49
124.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.033	0.000	34.570	0.00	1.87
126.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.034	0.000	34.728	0.00	0.49
126.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.034	0.000	34.728	0.00	1.87
128.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.035	0.000	34.885	0.00	0.49
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.035	0.000	34.885	0.00	1.87
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.036	0.000	35.039	0.00	0.49
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.036	0.000	35.039	0.00	1.87
132.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.037	0.000	35.193	0.00	0.49
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.037	0.000	35.193	0.00	1.87
134.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.038	0.000	35.344	0.00	0.49
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.038	0.000	35.344	0.00	1.87
136.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.039	0.000	35.494	0.00	0.49
136.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.039	0.000	35.494	0.00	1.87
138.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.040	0.000	35.642	0.00	0.49
138.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.040	0.000	35.642	0.00	1.87
140.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.041	0.000	35.789	0.00	0.49
140.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.041	0.000	35.789	0.00	1.87
142.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.042	0.000	35.935	0.00	0.49
142.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.042	0.000	35.935	0.00	1.87
144.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.043	0.000	36.078	0.00	0.49
144.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.043	0.000	36.078	0.00	1.87
146.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.044	0.000	36.221	0.00	0.49
146.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.044	0.000	36.221	0.00	1.87
147.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.045	0.000	36.292	0.00	0.25
147.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.045	0.000	36.292	0.00	0.94
148.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.046	0.000	36.362	0.00	0.25
148.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.046	0.000	36.362	0.00	0.94
150.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.047	0.000	36.502	0.00	0.49
150.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.047	0.000	36.502	0.00	1.87
152.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.049	0.000	36.640	0.00	0.49
152.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.049	0.000	36.640	0.00	1.87
154.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.050	0.000	36.777	0.00	0.49
154.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.050	0.000	36.777	0.00	1.87
156.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.052	0.000	36.913	0.00	0.49
156.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.052	0.000	36.913	0.00	1.87
157.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.054	0.000	36.981	0.00	0.25
157.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.054	0.000	36.981	0.00	0.94
										Totals:	**0.0**	**185.5**

Calculated Forces

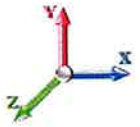
Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 118 mph Wind
Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 24

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	-38.59	-29.51	0.00	-3018.8	0.00	3018.84	3884.21	1082.32	6110.61	5372.74	0.00	0.000	0.000	0.573
2.00	-37.92	-29.24	0.00	-2959.8	0.00	2959.83	3865.76	1071.73	5991.56	5294.53	0.01	-0.030	0.000	0.570
4.00	-37.26	-28.98	0.00	-2901.3	0.00	2901.34	3846.93	1061.13	5873.68	5216.31	0.03	-0.061	0.000	0.567
6.00	-36.59	-28.73	0.00	-2843.3	0.00	2843.37	3827.70	1050.54	5756.97	5138.08	0.06	-0.092	0.000	0.564
8.00	-35.94	-28.47	0.00	-2785.9	0.00	2785.92	3808.09	1039.94	5641.43	5059.86	0.10	-0.123	0.000	0.561
10.00	-35.29	-28.22	0.00	-2728.9	0.00	2728.97	3788.09	1029.35	5527.07	4981.66	0.16	-0.155	0.000	0.558
11.92	-34.68	-27.97	0.00	-2674.8	0.00	2674.89	3768.56	1019.19	5418.57	4906.76	0.23	-0.186	0.000	0.555
12.00	-34.63	-27.97	0.00	-2672.5	0.00	2672.56	3767.70	1018.75	5413.87	4903.51	0.24	-0.187	0.000	0.555
14.00	-33.52	-27.72	0.00	-2616.6	0.00	2616.62	3746.93	1008.16	5301.85	4825.41	0.32	-0.219	0.000	0.552
16.00	-32.42	-27.46	0.00	-2561.1	0.00	2561.19	3725.77	997.56	5191.00	4747.39	0.42	-0.252	0.000	0.491
18.00	-31.33	-27.21	0.00	-2506.2	0.00	2506.26	3704.22	986.97	5081.32	4669.46	0.53	-0.281	0.000	0.487
20.00	-30.25	-26.96	0.00	-2451.8	0.00	2451.84	2938.21	848.02	4376.49	3716.58	0.66	-0.311	0.000	0.533
22.00	-29.71	-26.72	0.00	-2397.9	0.00	2397.91	2924.62	838.93	4283.25	3659.53	0.79	-0.341	0.000	0.585
24.00	-29.17	-26.48	0.00	-2344.4	0.00	2344.48	2910.64	829.85	4191.02	3602.38	0.95	-0.374	0.000	0.580
26.00	-28.63	-26.24	0.00	-2291.5	0.00	2291.52	2896.28	820.77	4099.80	3545.13	1.11	-0.408	0.000	0.576
28.00	-28.10	-26.00	0.00	-2239.0	0.00	2239.04	2881.53	811.69	4009.57	3487.80	1.29	-0.442	0.000	0.571
30.00	-27.58	-25.76	0.00	-2187.0	0.00	2187.04	2866.39	802.61	3920.36	3430.42	1.48	-0.476	0.000	0.566
30.92	-27.35	-25.66	0.00	-2163.4	0.00	2163.42	2859.32	798.45	3879.80	3404.10	1.57	-0.492	0.000	0.564
30.92	-27.35	-25.66	0.00	-2163.4	0.00	2163.42	2859.32	798.45	3879.80	3404.10	1.57	-0.492	0.000	0.564
32.00	-27.06	-25.53	0.00	-2135.6	0.00	2135.63	2850.86	793.53	3832.14	3372.99	1.69	-0.511	0.000	0.561
34.00	-26.55	-25.30	0.00	-2084.5	0.00	2084.56	2834.95	784.44	3744.93	3315.53	1.91	-0.546	0.000	0.556
36.00	-26.04	-25.06	0.00	-2033.9	0.00	2033.97	2818.65	775.36	3658.72	3258.05	2.15	-0.581	0.000	0.551
38.00	-25.53	-24.81	0.00	-1983.8	0.00	1983.86	2801.96	766.28	3573.52	3200.58	2.40	-0.617	0.000	0.546
40.00	-25.04	-24.57	0.00	-1934.2	0.00	1934.23	2784.89	757.20	3489.32	3143.12	2.66	-0.652	0.000	0.541
42.00	-24.54	-24.33	0.00	-1885.0	0.00	1885.09	2767.43	748.12	3406.12	3085.70	2.95	-0.689	0.000	0.536
44.00	-24.05	-24.09	0.00	-1836.4	0.00	1836.43	2749.58	739.04	3323.93	3028.33	3.24	-0.725	0.000	0.531
46.00	-23.57	-23.84	0.00	-1788.2	0.00	1788.26	2731.34	729.96	3242.74	2971.03	3.55	-0.762	0.000	0.526
48.00	-23.10	-23.59	0.00	-1740.5	0.00	1740.58	2712.72	720.87	3162.56	2913.81	3.88	-0.799	0.000	0.521
49.00	-22.86	-23.47	0.00	-1716.9	0.00	1716.99	2703.26	716.33	3122.84	2885.23	4.05	-0.817	0.000	0.519
49.00	-22.86	-23.47	0.00	-1716.9	0.00	1716.99	2703.26	716.33	3122.84	2885.23	4.05	-0.817	0.000	0.602
50.00	-22.62	-23.35	0.00	-1693.5	0.00	1693.52	2693.71	711.79	3083.38	2856.68	4.23	-0.836	0.000	0.602
52.00	-22.15	-23.11	0.00	-1646.8	0.00	1646.81	2674.32	702.71	3005.20	2799.67	4.59	-0.880	0.000	0.598
54.00	-21.68	-22.87	0.00	-1600.5	0.00	1600.59	2654.53	693.63	2928.03	2742.78	4.96	-0.924	0.000	0.593
56.00	-21.22	-22.62	0.00	-1554.8	0.00	1554.86	2634.36	684.55	2851.86	2686.04	5.36	-0.969	0.000	0.588
58.00	-20.77	-22.38	0.00	-1509.6	0.00	1509.61	2613.81	675.47	2776.69	2629.46	5.78	-1.015	0.000	0.583
60.00	-20.32	-22.14	0.00	-1464.8	0.00	1464.85	2592.86	666.39	2702.53	2573.06	6.21	-1.060	0.000	0.578
62.00	-19.87	-21.90	0.00	-1420.5	0.00	1420.56	2571.53	657.30	2629.37	2516.85	6.67	-1.106	0.000	0.573
64.00	-19.44	-21.66	0.00	-1376.7	0.00	1376.77	2549.81	648.22	2557.22	2460.85	7.14	-1.153	0.000	0.568
64.92	-19.23	-21.55	0.00	-1356.9	0.00	1356.92	2539.73	644.06	2524.48	2435.25	7.36	-1.175	0.000	0.566
66.00	-18.84	-21.41	0.00	-1333.5	0.00	1333.57	2527.71	639.14	2486.07	2405.07	7.63	-1.201	0.000	0.472
68.00	-18.12	-21.16	0.00	-1290.7	0.00	1290.75	2505.22	630.06	2415.92	2349.53	8.15	-1.241	0.000	0.466
70.00	-17.42	-20.91	0.00	-1248.4	0.00	1248.42	2482.34	620.98	2346.78	2294.24	8.67	-1.281	0.000	0.460
70.92	-17.10	-20.80	0.00	-1229.2	0.00	1229.25	1926.34	521.86	1988.87	1797.99	8.92	-1.300	0.000	0.504
72.00	-16.89	-20.67	0.00	-1206.7	0.00	1206.72	1918.38	517.76	1957.74	1776.40	9.22	-1.322	0.000	0.559
74.00	-16.54	-20.43	0.00	-1165.3	0.00	1165.39	1903.38	510.19	1900.93	1736.57	9.78	-1.367	0.000	0.551
74.92	-16.37	-20.32	0.00	-1146.6	0.00	1146.66	1896.38	506.72	1875.17	1718.34	10.05	-1.388	0.000	0.547
74.92	-16.37	-20.32	0.00	-1146.6	0.00	1146.66	1896.38	506.72	1875.17	1718.34	10.05	-1.388	0.000	0.547
76.00	-16.17	-20.19	0.00	-1124.6	0.00	1124.65	1888.00	502.62	1844.95	1696.81	10.37	-1.414	0.000	0.542

Calculated Forces

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 33	

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78.00	-15.82	-19.96	0.00	-1084.2	0.00	1084.26	1872.23	495.06	1789.81	1657.12	10.97	-1.460	0.000	0.533
80.00	-15.47	-19.72	0.00	-1044.3	0.00	1044.35	1856.07	487.49	1735.51	1617.53	11.59	-1.506	0.000	0.524
82.00	-15.12	-19.49	0.00	-1004.9	0.00	1004.91	1839.53	479.92	1682.04	1578.04	12.23	-1.552	0.000	0.515
84.00	-14.78	-19.26	0.00	-965.93	0.00	965.93	1822.60	472.35	1629.41	1538.68	12.89	-1.599	0.000	0.506
86.00	-14.45	-19.03	0.00	-927.41	0.00	927.41	1805.28	464.78	1577.62	1499.46	13.57	-1.646	0.000	0.497
88.00	-14.12	-18.80	0.00	-889.36	0.00	889.36	1787.57	457.22	1526.66	1460.40	14.27	-1.693	0.000	0.487
89.92	-13.81	-18.58	0.00	-853.32	0.00	853.32	1770.24	449.96	1478.61	1423.12	14.96	-1.738	0.000	0.478
90.00	-13.78	-18.57	0.00	-851.77	0.00	851.77	1769.48	449.65	1476.54	1421.50	14.99	-1.740	0.000	0.475
92.00	-13.26	-18.34	0.00	-814.63	0.00	814.63	1751.00	442.08	1427.26	1382.80	15.73	-1.787	0.000	0.465
94.00	-12.75	-18.11	0.00	-777.94	0.00	777.94	1732.14	434.51	1378.81	1344.29	16.49	-1.834	0.000	0.454
94.92	-12.52	-18.00	0.00	-761.35	0.00	761.35	1262.32	349.97	1118.08	987.98	16.85	-1.856	0.000	0.506
96.00	-12.37	-17.89	0.00	-741.84	0.00	741.84	1256.50	346.69	1097.22	974.14	17.27	-1.882	0.000	0.570
98.00	-12.10	-17.67	0.00	-706.07	0.00	706.07	1245.44	340.64	1059.23	948.60	18.07	-1.936	0.000	0.554
100.00	-11.57	-16.58	0.00	-670.73	0.00	670.73	1234.00	334.58	1021.92	923.07	18.89	-1.989	0.000	0.538
102.00	-11.32	-16.37	0.00	-637.57	0.00	637.57	1222.17	328.53	985.27	897.56	19.74	-2.043	0.000	0.523
104.00	-11.07	-16.16	0.00	-604.82	0.00	604.82	1209.95	322.47	949.29	872.10	20.61	-2.096	0.000	0.507
106.00	-10.83	-15.95	0.00	-572.50	0.00	572.50	1197.35	316.42	913.98	846.70	21.50	-2.149	0.000	0.491
108.00	-10.60	-15.74	0.00	-540.60	0.00	540.60	1184.36	310.36	879.34	821.38	22.41	-2.202	0.000	0.475
109.00	-10.48	-15.64	0.00	-524.86	0.00	524.86	1177.71	307.34	862.27	808.75	22.87	-2.229	0.000	0.467
109.00	-10.48	-15.64	0.00	-524.86	0.00	524.86	1177.71	307.34	862.27	808.75	22.87	-2.229	0.000	0.652
109.92	-10.37	-15.55	0.00	-510.52	0.00	510.52	1171.54	304.56	846.77	797.19	23.30	-2.253	0.000	0.652
109.92	-10.37	-15.55	0.00	-510.52	0.00	510.52	1171.54	304.56	846.77	797.19	23.30	-2.253	0.000	0.652
110.00	-10.35	-15.54	0.00	-509.22	0.00	509.22	1170.98	304.31	845.36	796.14	23.34	-2.256	0.000	0.651
112.00	-10.12	-15.35	0.00	-478.13	0.00	478.13	1157.21	298.26	812.06	771.01	24.30	-2.330	0.000	0.632
114.00	-9.88	-15.15	0.00	-447.44	0.00	447.44	1143.06	292.20	779.43	746.01	25.29	-2.403	0.000	0.611
116.00	-9.65	-14.96	0.00	-417.14	0.00	417.14	1128.52	286.15	747.46	721.14	26.32	-2.476	0.000	0.590
118.00	-9.43	-14.77	0.00	-387.21	0.00	387.21	1113.60	280.09	716.17	696.43	27.37	-2.549	0.000	0.567
120.00	-9.20	-14.58	0.00	-357.67	0.00	357.67	1098.28	274.04	685.54	671.88	28.45	-2.620	0.000	0.544
122.00	-8.99	-14.40	0.00	-328.51	0.00	328.51	1082.58	267.98	655.59	647.53	29.57	-2.690	0.000	0.519
124.00	-8.77	-14.22	0.00	-299.71	0.00	299.71	1066.50	261.93	626.30	623.37	30.71	-2.759	0.000	0.492
126.00	-8.56	-14.04	0.00	-271.27	0.00	271.27	1050.02	255.88	597.68	599.43	31.88	-2.826	0.000	0.464
128.00	-8.35	-13.86	0.00	-243.19	0.00	243.19	1033.16	249.82	569.73	575.73	33.08	-2.891	0.000	0.434
130.00	-8.15	-13.69	0.00	-215.47	0.00	215.47	1015.91	243.77	542.45	552.28	34.30	-2.953	0.000	0.401
132.00	-5.20	-9.21	0.00	-188.09	0.00	188.09	998.40	237.71	515.84	529.15	35.55	-3.011	0.000	0.362
134.00	-5.03	-9.05	0.00	-169.66	0.00	169.66	972.97	231.66	489.90	502.41	36.83	-3.067	0.000	0.344
136.00	-4.87	-8.88	0.00	-151.57	0.00	151.57	947.54	225.60	464.63	476.37	38.12	-3.122	0.000	0.325
138.00	-4.71	-8.72	0.00	-133.81	0.00	133.81	922.11	219.55	440.03	451.02	39.44	-3.174	0.000	0.303
140.00	-4.56	-8.56	0.00	-116.38	0.00	116.38	896.68	213.50	416.09	426.36	40.78	-3.224	0.000	0.280
142.00	-4.41	-8.40	0.00	-99.26	0.00	99.26	871.26	207.44	392.83	402.40	42.14	-3.271	0.000	0.253
144.00	-4.26	-8.25	0.00	-82.46	0.00	82.46	845.83	201.39	370.23	379.13	43.52	-3.313	0.000	0.224
146.00	-4.12	-8.10	0.00	-65.96	0.00	65.96	820.40	195.33	348.31	356.55	44.92	-3.352	0.000	0.192
147.00	-2.61	-5.89	0.00	-57.86	0.00	57.86	807.68	192.31	337.59	345.53	45.62	-3.369	0.000	0.172
148.00	-2.55	-5.82	0.00	-51.97	0.00	51.97	794.97	189.28	327.05	334.67	46.33	-3.386	0.000	0.159
150.00	-2.43	-5.67	0.00	-40.34	0.00	40.34	769.54	183.22	306.46	313.48	47.75	-3.414	0.000	0.133
152.00	-2.32	-5.54	0.00	-28.99	0.00	28.99	744.11	177.17	286.54	292.98	49.19	-3.438	0.000	0.103
154.00	-2.21	-5.40	0.00	-17.91	0.00	17.91	718.69	171.12	267.29	273.18	50.63	-3.456	0.000	0.070
156.00	-2.10	-5.27	0.00	-7.11	0.00	7.11	693.26	165.06	248.71	254.07	52.08	-3.466	0.000	0.032
157.00	0.00	-5.13	0.00	-1.84	0.00	1.84	680.54	162.03	239.68	244.77	52.81	-3.468	0.000	0.009

Wind Loading - Shaft

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H
Exposure: B
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 23

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	0.70	4.134	4.55	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.70	4.134	4.55	0.00	1.200	0.756	2.00	11.960	14.35	65.3	133.7	909.3
4.00		1.00	0.70	4.134	4.55	0.00	1.200	0.810	2.00	11.864	14.24	64.7	142.0	910.0
6.00		1.00	0.70	4.134	4.55	0.00	1.200	0.843	2.00	11.760	14.11	64.2	146.5	906.9
8.00		1.00	0.70	4.134	4.55	0.00	1.200	0.868	2.00	11.654	13.99	63.6	149.4	902.1
10.00		1.00	0.70	4.134	4.55	0.00	1.200	0.887	2.00	11.546	13.86	63.0	151.2	896.4
11.92	Bot - Section 2	1.00	0.70	4.134	4.55	0.00	1.200	0.903	1.92	10.963	13.16	59.8	146.1	853.0
12.00		1.00	0.70	4.134	4.55	0.00	1.200	0.904	0.08	0.480	0.58	2.6	6.4	63.5
14.00		1.00	0.70	4.134	4.55	0.00	1.200	0.918	2.00	11.457	13.75	62.5	155.1	1518.6
16.00	RB1	1.00	0.70	4.134	4.55	0.00	1.200	0.930	2.00	11.347	13.62	61.9	155.6	1504.9
18.00		1.00	0.70	4.134	4.55	0.00	1.200	0.941	2.00	11.236	13.48	61.3	155.9	1491.0
20.00	Top - Section 1	1.00	0.70	4.134	4.55	0.00	1.200	0.951	2.00	11.125	13.35	60.7	155.9	1476.9
22.00		1.00	0.70	4.134	4.55	0.00	1.200	0.960	2.00	11.013	13.22	60.1	155.8	763.2
24.00		1.00	0.70	4.134	4.55	0.00	1.200	0.969	2.00	10.902	13.08	59.5	155.5	756.4
26.00		1.00	0.70	4.134	4.55	0.00	1.200	0.976	2.00	10.790	12.95	58.9	155.1	749.4
28.00		1.00	0.70	4.134	4.55	0.00	1.200	0.984	2.00	10.678	12.81	58.3	154.6	742.4
30.00		1.00	0.70	4.138	4.55	0.00	1.200	0.991	2.00	10.566	12.68	57.7	154.0	735.2
30.92	Top - Section 2	1.00	0.71	4.174	4.59	0.00	1.200	0.994	0.92	4.805	5.77	26.5	70.4	334.7
32.00		1.00	0.71	4.215	4.64	0.00	1.200	0.997	1.08	5.648	6.78	31.4	83.0	393.5
34.00		1.00	0.73	4.289	4.72	0.00	1.200	1.003	2.00	10.341	12.41	58.5	152.5	720.7
36.00		1.00	0.74	4.359	4.80	0.00	1.200	1.009	2.00	10.229	12.27	58.9	151.6	713.3
38.00		1.00	0.75	4.427	4.87	0.00	1.200	1.014	2.00	10.116	12.14	59.1	150.7	705.8
40.00		1.00	0.76	4.492	4.94	0.00	1.200	1.019	2.00	10.003	12.00	59.3	149.8	698.3
42.00		1.00	0.77	4.555	5.01	0.00	1.200	1.024	2.00	9.890	11.87	59.5	148.7	690.8
44.00		1.00	0.78	4.616	5.08	0.00	1.200	1.029	2.00	9.778	11.73	59.6	147.7	683.2
46.00		1.00	0.79	4.675	5.14	0.00	1.200	1.034	2.00	9.665	11.60	59.6	146.6	675.5
48.00		1.00	0.80	4.733	5.21	0.00	1.200	1.038	2.00	9.552	11.46	59.7	145.4	667.8
49.00	RT1	1.00	0.81	4.761	5.24	0.00	1.200	1.040	1.00	4.733	5.68	29.7	72.4	331.2
50.00		1.00	0.81	4.788	5.27	0.00	1.200	1.042	1.00	4.705	5.65	29.7	72.1	329.2
52.00		1.00	0.82	4.842	5.33	0.00	1.200	1.047	2.00	9.326	11.19	59.6	143.0	652.3
54.00		1.00	0.83	4.895	5.38	0.00	1.200	1.050	2.00	9.213	11.06	59.5	141.8	644.6
56.00		1.00	0.84	4.946	5.44	0.00	1.200	1.054	2.00	9.099	10.92	59.4	140.5	636.7
58.00		1.00	0.85	4.996	5.50	0.00	1.200	1.058	2.00	8.986	10.78	59.3	139.2	628.9
60.00		1.00	0.85	5.044	5.55	0.00	1.200	1.062	2.00	8.873	10.65	59.1	137.8	621.0
62.00		1.00	0.86	5.092	5.60	0.00	1.200	1.065	2.00	8.760	10.51	58.9	136.4	613.1
64.00		1.00	0.87	5.138	5.65	0.00	1.200	1.068	2.00	8.646	10.38	58.6	135.0	605.1
64.92	Bot - Section 4	1.00	0.87	5.159	5.67	0.00	1.200	1.070	0.92	3.925	4.71	26.7	61.6	274.9
66.00	RB2	1.00	0.88	5.183	5.70	0.00	1.200	1.072	1.08	4.666	5.60	31.9	73.3	535.2
68.00		1.00	0.89	5.228	5.75	0.00	1.200	1.075	2.00	8.527	10.23	58.8	133.9	977.4
70.00		1.00	0.89	5.271	5.80	0.00	1.200	1.078	2.00	8.414	10.10	58.5	132.5	964.0
70.92	Top - Section 3	1.00	0.90	5.291	5.82	0.00	1.200	1.080	0.92	3.818	4.58	26.7	60.4	437.5
72.00		1.00	0.90	5.314	5.85	0.00	1.200	1.081	1.08	4.482	5.38	31.4	71.0	273.7
74.00		1.00	0.91	5.356	5.89	0.00	1.200	1.084	2.00	8.187	9.82	57.9	129.5	499.6
74.92	Top - Section 4	1.00	0.91	5.375	5.91	0.00	1.200	1.085	0.92	3.714	4.46	26.4	59.0	226.9
76.00		1.00	0.91	5.397	5.94	0.00	1.200	1.087	1.08	4.359	5.23	31.1	69.3	266.2
78.00		1.00	0.92	5.437	5.98	0.00	1.200	1.090	2.00	7.960	9.55	57.1	126.4	485.7
80.00		1.00	0.93	5.476	6.02	0.00	1.200	1.093	2.00	7.847	9.42	56.7	124.9	478.7

Wind Loading - Shaft

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1
Topography: 1

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

7/7/2023

IES Tower Engineering Solutions

82.00	1.00	0.93	5.515	6.07	0.00	1.200	1.095	2.00	7.733	9.28	56.3	123.3	471.7
84.00	1.00	0.94	5.553	6.11	0.00	1.200	1.098	2.00	7.620	9.14	55.9	121.7	464.6
86.00	1.00	0.95	5.591	6.15	0.00	1.200	1.101	2.00	7.506	9.01	55.4	120.1	457.6
88.00	1.00	0.95	5.628	6.19	0.00	1.200	1.103	2.00	7.392	8.87	54.9	118.5	450.5
89.92 Bot - Section 6	1.00	0.96	5.662	6.23	0.00	1.200	1.105	1.92	6.978	8.37	52.2	112.1	425.2
90.00	1.00	0.96	5.664	6.23	0.00	1.200	1.106	0.08	0.305	0.37	2.3	4.9	29.4
92.00	1.00	0.96	5.699	6.27	0.00	1.200	1.108	2.00	7.252	8.70	54.6	116.7	698.4
94.00	1.00	0.97	5.735	6.31	0.00	1.200	1.110	2.00	7.138	8.57	54.0	115.1	686.9
94.92 Top - Section 5	1.00	0.97	5.750	6.33	0.00	1.200	1.111	0.92	3.233	3.88	24.5	52.4	311.2
96.00	1.00	0.98	5.769	6.35	0.00	1.200	1.113	1.08	3.791	4.55	28.9	61.4	197.3
98.00	1.00	0.98	5.803	6.38	0.00	1.200	1.115	2.00	6.911	8.29	52.9	111.7	359.2
100.00 Appurtenance(s)	1.00	0.99	5.837	6.42	0.00	1.200	1.117	2.00	6.797	8.16	52.4	110.0	353.2
102.00	1.00	0.99	5.870	6.46	0.00	1.200	1.119	2.00	6.683	8.02	51.8	108.3	347.1
104.00	1.00	1.00	5.903	6.49	0.00	1.200	1.122	2.00	6.569	7.88	51.2	106.6	341.0
106.00	1.00	1.00	5.935	6.53	0.00	1.200	1.124	2.00	6.456	7.75	50.6	104.9	334.9
108.00	1.00	1.01	5.967	6.56	0.00	1.200	1.126	2.00	6.342	7.61	49.9	103.2	328.8
109.00 RT2	1.00	1.01	5.982	6.58	0.00	1.200	1.127	1.00	3.128	3.75	24.7	51.1	162.4
109.92 Top - Section 6	1.00	1.02	5.997	6.60	0.00	1.200	1.128	0.92	2.843	3.41	22.5	46.5	147.5
110.00	1.00	1.02	5.998	6.60	0.00	1.200	1.128	0.08	0.257	0.31	2.0	4.2	13.4
112.00	1.00	1.02	6.029	6.63	0.00	1.200	1.130	2.00	6.115	7.34	48.7	99.7	316.6
114.00	1.00	1.03	6.059	6.67	0.00	1.200	1.132	2.00	6.001	7.20	48.0	97.9	310.5
116.00	1.00	1.03	6.090	6.70	0.00	1.200	1.134	2.00	5.887	7.06	47.3	96.1	304.4
118.00	1.00	1.04	6.119	6.73	0.00	1.200	1.136	2.00	5.773	6.93	46.6	94.3	298.2
120.00	1.00	1.04	6.149	6.76	0.00	1.200	1.138	2.00	5.659	6.79	45.9	92.5	292.1
122.00	1.00	1.05	6.178	6.80	0.00	1.200	1.140	2.00	5.546	6.65	45.2	90.7	285.9
124.00	1.00	1.05	6.207	6.83	0.00	1.200	1.142	2.00	5.432	6.52	44.5	88.9	279.7
126.00	1.00	1.06	6.235	6.86	0.00	1.200	1.143	2.00	5.318	6.38	43.8	87.1	273.6
128.00	1.00	1.06	6.263	6.89	0.00	1.200	1.145	2.00	5.204	6.24	43.0	85.3	267.4
130.00	1.00	1.07	6.291	6.92	0.00	1.200	1.147	2.00	5.090	6.11	42.3	83.4	261.2
132.00 Appurtenance(s)	1.00	1.07	6.319	6.95	0.00	1.200	1.149	2.00	4.976	5.97	41.5	81.6	255.0
134.00	1.00	1.07	6.346	6.98	0.00	1.200	1.150	2.00	4.863	5.84	40.7	79.8	248.8
136.00	1.00	1.08	6.373	7.01	0.00	1.200	1.152	2.00	4.749	5.70	39.9	77.9	242.5
138.00	1.00	1.08	6.399	7.04	0.00	1.200	1.154	2.00	4.635	5.56	39.2	76.0	236.3
140.00	1.00	1.09	6.426	7.07	0.00	1.200	1.155	2.00	4.521	5.43	38.3	74.2	230.1
142.00	1.00	1.09	6.452	7.10	0.00	1.200	1.157	2.00	4.407	5.29	37.5	72.3	223.9
144.00	1.00	1.10	6.478	7.13	0.00	1.200	1.159	2.00	4.293	5.15	36.7	70.4	217.6
146.00	1.00	1.10	6.503	7.15	0.00	1.200	1.160	2.00	4.179	5.02	35.9	68.5	211.4
147.00 Appurtenance(s)	1.00	1.10	6.516	7.17	0.00	1.200	1.161	1.00	2.047	2.46	17.6	33.8	103.6
148.00	1.00	1.11	6.529	7.18	0.00	1.200	1.162	1.00	2.018	2.42	17.4	33.3	102.0
150.00	1.00	1.11	6.554	7.21	0.00	1.200	1.163	2.00	3.951	4.74	34.2	64.7	198.8
152.00	1.00	1.11	6.579	7.24	0.00	1.200	1.165	2.00	3.837	4.60	33.3	62.8	192.6
154.00	1.00	1.12	6.603	7.26	0.00	1.200	1.167	2.00	3.724	4.47	32.5	60.9	186.3
156.00	1.00	1.12	6.628	7.29	0.00	1.200	1.168	2.00	3.610	4.33	31.6	58.9	180.0
157.00 Appurtenance(s)	1.00	1.12	6.640	7.30	0.00	1.200	1.169	1.00	1.762	2.11	15.4	29.0	87.9
							Totals:	**157.00**			**4,137.5**		**44,331.3**

Discrete Appurtenance Forces

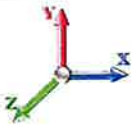
Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 36	

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 23

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	157.00	Powerwave LGP21901	6	6.640	7.304	0.95	1.00	11.58	471.56	0.000	0.000	84.57	0.00	0.00
2	157.00	Andrew - SBNH-1D6565C	3	6.658	7.324	0.80	1.00	32.75	502.14	0.000	1.500	239.87	0.00	359.80
3	157.00	Cci HPA65R-BU8A	3	6.640	7.304	0.89	1.00	32.94	771.68	0.000	0.000	240.56	0.00	0.00
4	157.00	Kathrein 800-10121	3	6.640	7.304	0.79	1.00	15.55	290.83	0.000	0.000	113.57	0.00	0.00
5	157.00	Sabre C10-857-804	3	6.640	7.304	0.56	0.75	53.20	2350.16	0.000	0.000	388.54	0.00	0.00
6	157.00	CCI DTMABP7819VG12A	6	6.640	7.304	0.69	1.00	6.85	196.99	0.000	0.000	50.05	0.00	0.00
7	157.00	Lightning Rod	1	6.682	7.350	1.00	1.00	2.64	54.04	0.000	3.500	19.40	0.00	67.90
8	157.00	Kathrein 860 10025 RET	6	6.640	7.304	0.50	1.00	1.30	23.13	0.000	0.000	9.50	0.00	0.00
9	157.00	Ericsson RRUS-11 RRU	3	6.640	7.304	0.50	1.00	4.42	280.81	0.000	0.000	32.25	0.00	0.00
10	157.00	Ericsson RRUS 4415 B25	3	6.640	7.304	0.50	1.00	2.98	219.98	0.000	0.000	21.75	0.00	0.00
11	157.00	Raycap DC6-48-60-18-8F	2	6.640	7.304	1.00	1.00	2.43	123.73	0.000	0.000	17.72	0.00	0.00
12	157.00	Nokia CS72188.01 LMU	1	6.646	7.310	1.00	1.00	0.32	8.40	0.000	0.500	2.34	0.00	1.17
13	147.00	Sector Frame	3	6.516	7.168	0.56	0.75	45.17	2593.35	0.000	0.000	323.74	0.00	0.00
14	147.00	Allgan ALP9212	9	6.516	7.168	0.54	0.80	41.42	824.88	0.000	0.000	296.89	0.00	0.00
15	132.00	DB844G65ZAXY	6	6.319	6.951	0.69	0.75	20.46	578.19	0.000	0.000	142.24	0.00	0.00
16	132.00	MT6407-77A	3	6.319	6.951	0.52	0.75	8.36	505.23	0.000	0.000	58.09	0.00	0.00
17	132.00	14' LP Platform	1	6.319	6.951	1.00	1.00	38.78	2361.52	0.000	0.000	269.57	0.00	0.00
18	132.00	BSF0020F3V1-1	6	6.319	6.951	0.50	0.75	5.15	101.85	0.000	0.000	35.79	0.00	0.00
19	132.00	GPS	1	6.319	6.951	0.75	0.75	1.10	23.30	0.000	0.000	7.66	0.00	0.00
20	132.00	SBNHH-1D65B	6	6.319	6.951	0.64	0.75	34.08	1109.64	0.000	0.000	236.85	0.00	0.00
21	132.00	Collar Mount (3-Sided)	1	6.319	6.951	1.00	1.00	4.22	369.17	0.000	0.000	29.35	0.00	0.00
22	132.00	Samsung	3	6.319	6.951	0.38	0.75	2.52	407.89	0.000	0.000	17.48	0.00	0.00
23	132.00	RFS DB-C1-12C-24AB-0Z	1	6.319	6.951	0.75	0.75	3.45	84.79	0.000	0.000	23.98	0.00	0.00
24	132.00	Samsung	3	6.319	6.951	0.38	0.75	2.52	392.16	0.000	0.000	17.48	0.00	0.00
25	132.00	HRK12 (Handrail Kit)	1	6.319	6.951	1.00	1.00	11.09	780.22	0.000	0.000	77.10	0.00	0.00
26	132.00	(3) SFS-H (V-Braces)	1	6.319	6.951	1.00	1.00	10.64	330.43	0.000	0.000	73.97	0.00	0.00
27	100.00	15'x2.875"mount pipe	3	5.837	6.421	1.00	1.00	23.27	476.81	0.000	0.000	149.43	0.00	0.00
28	100.00	742 213	3	5.837	6.421	0.72	1.00	12.80	271.52	0.000	0.000	82.18	0.00	0.00
							Totals:		**16,504.39**			**3,061.93**		

Total Applied Force Summary

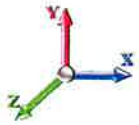
Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 37	

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 23

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		65.27	1012.93	0.00	0.00
4.00		64.75	1014.11	0.00	0.00
6.00		64.18	1011.30	0.00	0.00
8.00		63.60	1006.75	0.00	0.00
10.00		63.01	1001.21	0.00	0.00
11.92		59.83	953.66	0.00	0.00
12.00		2.62	67.92	0.00	0.00
14.00		62.53	1623.74	0.00	0.00
16.00		61.92	1613.69	0.00	0.00
18.00		61.32	1603.47	0.00	0.00
20.00		60.71	1589.54	0.00	0.00
22.00		60.11	876.08	0.00	0.00
24.00		59.50	869.43	0.00	0.00
26.00		58.89	862.64	0.00	0.00
28.00		58.27	855.73	0.00	0.00
30.00		57.71	848.71	0.00	0.00
30.92		26.47	386.69	0.00	0.00
32.00		31.42	455.06	0.00	0.00
34.00		58.54	834.41	0.00	0.00
36.00		58.86	827.15	0.00	0.00
38.00		59.11	819.81	0.00	0.00
40.00		59.32	812.42	0.00	0.00
42.00		59.47	804.97	0.00	0.00
44.00		59.58	797.47	0.00	0.00
46.00		59.65	789.92	0.00	0.00
48.00		59.67	782.32	0.00	0.00
49.00		29.74	388.44	0.00	0.00
50.00		29.74	386.53	0.00	0.00
52.00		59.61	758.95	0.00	0.00
54.00		59.52	751.20	0.00	0.00
56.00		59.40	743.42	0.00	0.00
58.00		59.26	735.61	0.00	0.00
60.00		59.08	727.77	0.00	0.00
62.00		58.87	719.90	0.00	0.00
64.00		58.64	712.01	0.00	0.00
64.92		26.73	323.86	0.00	0.00
66.00		31.93	597.29	0.00	0.00
68.00		58.85	1092.73	0.00	0.00
70.00		58.55	1079.35	0.00	0.00
70.92		26.67	490.40	0.00	0.00
72.00		31.44	336.25	0.00	0.00
74.00		57.88	615.13	0.00	0.00
74.92		26.35	279.81	0.00	0.00
76.00		31.05	328.78	0.00	0.00
78.00		57.13	601.31	0.00	0.00
80.00		56.72	594.37	0.00	0.00

Total Applied Force Summary

Structure:	CT00252-S-SBA		**Code:**	TIA-222-H	7/7/2023
Site Name:	Prospect		**Exposure:**	B	
Height:	157.00 (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

82.00		56.30	587.41	0.00	0.00
84.00		55.85	580.44	0.00	0.00
86.00		55.39	573.45	0.00	0.00
88.00		54.91	566.44	0.00	0.00
89.92		52.15	536.28	0.00	0.00
90.00		2.28	34.21	0.00	0.00
92.00		54.55	814.39	0.00	0.00
94.00		54.03	802.98	0.00	0.00
94.92		24.54	364.42	0.00	0.00
96.00		28.87	260.20	0.00	0.00
98.00		52.94	475.38	0.00	0.00
100.00	(6) attachments	283.98	1217.71	0.00	0.00
102.00		51.78	448.40	0.00	0.00
104.00		51.19	442.37	0.00	0.00
106.00		50.57	436.34	0.00	0.00
108.00		49.95	430.29	0.00	0.00
109.00		24.70	213.09	0.00	0.00
109.92		22.50	194.02	0.00	0.00
110.00		2.04	17.59	0.00	0.00
112.00		48.66	409.27	0.00	0.00
114.00		48.00	403.17	0.00	0.00
116.00		47.32	397.06	0.00	0.00
118.00		46.63	390.95	0.00	0.00
120.00		45.93	384.82	0.00	0.00
122.00		45.22	378.68	0.00	0.00
124.00		44.50	372.53	0.00	0.00
126.00		43.77	366.38	0.00	0.00
128.00		43.03	360.21	0.00	0.00
130.00		42.27	354.04	0.00	0.00
132.00	(33) attachments	1031.07	7392.25	0.00	0.00
134.00		40.73	308.94	0.00	0.00
136.00		39.95	302.74	0.00	0.00
138.00		39.15	296.54	0.00	0.00
140.00		38.35	290.33	0.00	0.00
142.00		37.53	284.11	0.00	0.00
144.00		36.71	277.88	0.00	0.00
146.00		35.88	271.65	0.00	0.00
147.00	(12) attachments	638.24	3551.95	0.00	0.00
148.00		17.39	120.93	0.00	0.00
150.00		34.18	236.70	0.00	0.00
152.00		33.32	230.44	0.00	0.00
154.00		32.46	224.18	0.00	0.00
156.00		31.58	217.92	0.00	0.00
157.00	(40) attachments	1235.57	5400.30	0.00	428.87
	Totals:	**7,199.45**	**68,603.60**	**0.00**	**428.87**

Linear Appurtenance Segment Forces (Factored)

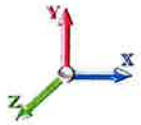
Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 39	

IES 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 23

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	Safety Cable	Yes	2.00	0.000	0.38	0.32	0.00	0.014	0.000	4.134	0.00	2.51
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.36	0.00	0.014	0.000	4.134	0.00	4.69
4.00	Safety Cable	Yes	2.00	0.000	0.38	0.33	0.00	0.015	0.000	4.134	0.00	2.75
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.37	0.00	0.015	0.000	4.134	0.00	4.95
6.00	Safety Cable	Yes	2.00	0.000	0.38	0.34	0.00	0.015	0.000	4.134	0.00	2.91
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.39	0.00	0.015	0.000	4.134	0.00	5.12
8.00	Safety Cable	Yes	2.00	0.000	0.38	0.35	0.00	0.015	0.000	4.134	0.00	3.03
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.39	0.00	0.015	0.000	4.134	0.00	5.25
10.00	Safety Cable	Yes	2.00	0.000	0.38	0.36	0.00	0.015	0.000	4.134	0.00	3.12
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.40	0.00	0.015	0.000	4.134	0.00	5.35
11.92	Safety Cable	Yes	1.92	0.000	0.38	0.35	0.00	0.015	0.000	4.134	0.00	3.07
11.92	Step bolts (ladder)	Yes	1.92	0.000	0.63	0.39	0.00	0.015	0.000	4.134	0.00	5.21
12.00	Safety Cable	Yes	0.08	0.000	0.38	0.02	0.00	0.015	0.000	4.134	0.00	0.13
12.00	Step bolts (ladder)	Yes	0.08	0.000	0.63	0.02	0.00	0.015	0.000	4.134	0.00	0.23
14.00	Safety Cable	Yes	2.00	0.000	0.38	0.37	0.00	0.015	0.000	4.134	0.00	3.27
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.41	0.00	0.015	0.000	4.134	0.00	5.51
16.00	Safety Cable	Yes	2.00	0.000	0.38	0.37	0.00	0.031	0.000	4.134	0.00	3.34
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.42	0.00	0.031	0.000	4.134	0.00	5.58
16.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.32	0.00	0.031	0.000	4.134	0.00	3.48
18.00	Safety Cable	Yes	2.00	0.000	0.38	0.38	0.00	0.046	0.000	4.134	0.00	3.39
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.42	0.00	0.046	0.000	4.134	0.00	5.64
18.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.65	0.00	0.046	0.000	4.134	0.00	7.06
20.00	Safety Cable	Yes	2.00	0.000	0.38	0.38	0.00	0.047	0.000	4.134	0.00	3.44
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.42	0.00	0.047	0.000	4.134	0.00	5.70
20.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.65	0.00	0.047	0.000	4.134	0.00	7.15
22.00	Safety Cable	Yes	2.00	0.000	0.38	0.38	0.00	0.047	0.000	4.134	0.00	3.49
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.43	0.00	0.047	0.000	4.134	0.00	5.75
22.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.65	0.00	0.047	0.000	4.134	0.00	7.24
24.00	Safety Cable	Yes	2.00	0.000	0.38	0.39	0.00	0.047	0.000	4.134	0.00	3.54
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.43	0.00	0.047	0.000	4.134	0.00	5.80
24.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.66	0.00	0.047	0.000	4.134	0.00	7.31
26.00	Safety Cable	Yes	2.00	0.000	0.38	0.39	0.00	0.048	0.000	4.134	0.00	3.58
26.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.43	0.00	0.048	0.000	4.134	0.00	5.84
26.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.66	0.00	0.048	0.000	4.134	0.00	7.39
28.00	Safety Cable	Yes	2.00	0.000	0.38	0.39	0.00	0.048	0.000	4.134	0.00	3.62
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.43	0.00	0.048	0.000	4.134	0.00	5.88
28.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.66	0.00	0.048	0.000	4.134	0.00	7.46
30.00	Safety Cable	Yes	2.00	0.000	0.38	0.39	0.00	0.049	0.000	4.138	0.00	3.65
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.44	0.00	0.049	0.000	4.138	0.00	5.92
30.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.66	0.00	0.049	0.000	4.138	0.00	7.52
30.92	Safety Cable	Yes	0.92	0.000	0.38	0.18	0.00	0.049	0.000	4.174	0.00	1.68
30.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.20	0.00	0.049	0.000	4.174	0.00	2.72
30.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.30	0.00	0.049	0.000	4.174	0.00	3.46
32.00	Safety Cable	Yes	1.08	0.000	0.38	0.21	0.00	0.050	0.000	4.215	0.00	2.00
32.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.24	0.00	0.050	0.000	4.215	0.00	3.23
32.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.36	0.00	0.050	0.000	4.215	0.00	4.11
34.00	Safety Cable	Yes	2.00	0.000	0.38	0.40	0.00	0.050	0.000	4.289	0.00	3.72

Linear Appurtenance Segment Forces (Factored)

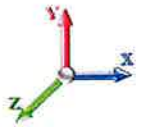
Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

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 23

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)
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.44	0.00	0.050	0.000	4.289	0.00	5.99
34.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.67	0.00	0.050	0.000	4.289	0.00	7.64
36.00	Safety Cable	Yes	2.00	0.000	0.38	0.40	0.00	0.051	0.000	4.359	0.00	3.75
36.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.44	0.00	0.051	0.000	4.359	0.00	6.03
36.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.67	0.00	0.051	0.000	4.359	0.00	7.69
38.00	Safety Cable	Yes	2.00	0.000	0.38	0.40	0.00	0.051	0.000	4.427	0.00	3.78
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.44	0.00	0.051	0.000	4.427	0.00	6.06
38.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.67	0.00	0.051	0.000	4.427	0.00	7.75
40.00	Safety Cable	Yes	2.00	0.000	0.38	0.40	0.00	0.052	0.000	4.492	0.00	3.81
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.44	0.00	0.052	0.000	4.492	0.00	6.09
40.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.67	0.00	0.052	0.000	4.492	0.00	7.80
42.00	Safety Cable	Yes	2.00	0.000	0.38	0.40	0.00	0.053	0.000	4.555	0.00	3.84
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.45	0.00	0.053	0.000	4.555	0.00	6.12
42.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.67	0.00	0.053	0.000	4.555	0.00	7.85
44.00	Safety Cable	Yes	2.00	0.000	0.38	0.41	0.00	0.053	0.000	4.616	0.00	3.87
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.45	0.00	0.053	0.000	4.616	0.00	6.15
44.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.68	0.00	0.053	0.000	4.616	0.00	7.89
46.00	Safety Cable	Yes	2.00	0.000	0.38	0.41	0.00	0.054	0.000	4.675	0.00	3.89
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.45	0.00	0.054	0.000	4.675	0.00	6.18
46.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.68	0.00	0.054	0.000	4.675	0.00	7.94
48.00	Safety Cable	Yes	2.00	0.000	0.38	0.41	0.00	0.054	0.000	4.733	0.00	3.92
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.45	0.00	0.054	0.000	4.733	0.00	6.20
48.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.68	0.00	0.054	0.000	4.733	0.00	7.98
49.00	Safety Cable	Yes	1.00	0.000	0.38	0.21	0.00	0.055	0.000	4.761	0.00	1.97
49.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.23	0.00	0.055	0.000	4.761	0.00	3.11
49.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.34	0.00	0.055	0.000	4.761	0.00	4.00
50.00	Safety Cable	Yes	1.00	0.000	0.38	0.21	0.00	0.055	0.000	4.788	0.00	1.97
50.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.23	0.00	0.055	0.000	4.788	0.00	3.11
50.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.34	0.00	0.055	0.000	4.788	0.00	4.01
52.00	Safety Cable	Yes	2.00	0.000	0.38	0.41	0.00	0.019	0.000	4.842	0.00	3.97
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.45	0.00	0.019	0.000	4.842	0.00	6.25
54.00	Safety Cable	Yes	2.00	0.000	0.38	0.41	0.00	0.019	0.000	4.895	0.00	3.99
54.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.019	0.000	4.895	0.00	6.28
56.00	Safety Cable	Yes	2.00	0.000	0.38	0.41	0.00	0.019	0.000	4.946	0.00	4.01
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.019	0.000	4.946	0.00	6.30
58.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.019	0.000	4.996	0.00	4.03
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.019	0.000	4.996	0.00	6.33
60.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.020	0.000	5.044	0.00	4.05
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.020	0.000	5.044	0.00	6.35
62.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.020	0.000	5.092	0.00	4.07
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.020	0.000	5.092	0.00	6.37
64.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.020	0.000	5.138	0.00	4.09
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.020	0.000	5.138	0.00	6.39
64.92	Safety Cable	Yes	0.92	0.000	0.38	0.19	0.00	0.021	0.000	5.159	0.00	1.88
64.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.21	0.00	0.021	0.000	5.159	0.00	2.93
66.00	Safety Cable	Yes	1.08	0.000	0.38	0.23	0.00	0.058	0.000	5.183	0.00	2.23
66.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.25	0.00	0.058	0.000	5.183	0.00	3.47

Linear Appurtenance Segment Forces (Factored)

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (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

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 23

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)
66.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.35	0.00	0.058	0.000	5.183	0.00	4.15
68.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.062	0.000	5.228	0.00	4.13
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.062	0.000	5.228	0.00	6.43
68.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.69	0.00	0.062	0.000	5.228	0.00	8.34
70.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.063	0.000	5.271	0.00	4.15
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.063	0.000	5.271	0.00	6.45
70.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.69	0.00	0.063	0.000	5.271	0.00	8.37
70.92	Safety Cable	Yes	0.92	0.000	0.38	0.19	0.00	0.064	0.000	5.291	0.00	1.90
70.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.21	0.00	0.064	0.000	5.291	0.00	2.96
70.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.32	0.00	0.064	0.000	5.291	0.00	3.84
72.00	Safety Cable	Yes	1.08	0.000	0.38	0.23	0.00	0.063	0.000	5.314	0.00	2.26
72.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.25	0.00	0.063	0.000	5.314	0.00	3.50
72.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.38	0.00	0.063	0.000	5.314	0.00	4.55
74.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.064	0.000	5.356	0.00	4.18
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.064	0.000	5.356	0.00	6.49
74.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.69	0.00	0.064	0.000	5.356	0.00	8.43
74.92	Safety Cable	Yes	0.92	0.000	0.38	0.19	0.00	0.065	0.000	5.375	0.00	1.92
74.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.21	0.00	0.065	0.000	5.375	0.00	2.98
74.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.32	0.00	0.065	0.000	5.375	0.00	3.87
76.00	Safety Cable	Yes	1.08	0.000	0.38	0.23	0.00	0.065	0.000	5.397	0.00	2.27
76.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.25	0.00	0.065	0.000	5.397	0.00	3.52
76.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.38	0.00	0.065	0.000	5.397	0.00	4.58
78.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.066	0.000	5.437	0.00	4.22
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.066	0.000	5.437	0.00	6.52
78.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.70	0.00	0.066	0.000	5.437	0.00	8.49
80.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.067	0.000	5.476	0.00	4.23
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.067	0.000	5.476	0.00	6.54
80.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.70	0.00	0.067	0.000	5.476	0.00	8.52
82.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.068	0.000	5.515	0.00	4.25
82.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.068	0.000	5.515	0.00	6.56
82.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.70	0.00	0.068	0.000	5.515	0.00	8.54
84.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.069	0.000	5.553	0.00	4.26
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.069	0.000	5.553	0.00	6.57
84.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.70	0.00	0.069	0.000	5.553	0.00	8.57
86.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.070	0.000	5.591	0.00	4.28
86.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.070	0.000	5.591	0.00	6.59
86.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.70	0.00	0.070	0.000	5.591	0.00	8.60
88.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.071	0.000	5.628	0.00	4.30
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.071	0.000	5.628	0.00	6.61
88.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.70	0.00	0.071	0.000	5.628	0.00	8.62
89.92	Safety Cable	Yes	1.92	0.000	0.38	0.41	0.00	0.073	0.000	5.662	0.00	4.13
89.92	Step bolts (ladder)	Yes	1.92	0.000	0.63	0.45	0.00	0.073	0.000	5.662	0.00	6.35
89.92	1" Reinforcing plate	Yes	1.92	0.000	2.00	0.67	0.00	0.073	0.000	5.662	0.00	8.29
90.00	Safety Cable	Yes	0.08	0.000	0.38	0.02	0.00	0.073	0.000	5.664	0.00	0.18
90.00	Step bolts (ladder)	Yes	0.08	0.000	0.63	0.02	0.00	0.073	0.000	5.664	0.00	0.28
90.00	1" Reinforcing plate	Yes	0.08	0.000	2.00	0.03	0.00	0.073	0.000	5.664	0.00	0.36
92.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.074	0.000	5.699	0.00	4.32

Linear Appurtenance Segment Forces (Factored)

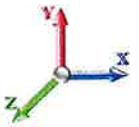
Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

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 23

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)
92.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.074	0.000	5.699	0.00	6.64
92.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.70	0.00	0.074	0.000	5.699	0.00	8.67
94.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.075	0.000	5.735	0.00	4.34
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.075	0.000	5.735	0.00	6.65
94.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.70	0.00	0.075	0.000	5.735	0.00	8.69
94.92	Safety Cable	Yes	0.92	0.000	0.38	0.20	0.00	0.076	0.000	5.750	0.00	1.99
94.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.22	0.00	0.076	0.000	5.750	0.00	3.05
94.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.32	0.00	0.076	0.000	5.750	0.00	3.99
96.00	Safety Cable	Yes	1.08	0.000	0.38	0.24	0.00	0.076	0.000	5.769	0.00	2.36
96.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.26	0.00	0.076	0.000	5.769	0.00	3.61
96.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.38	0.00	0.076	0.000	5.769	0.00	4.72
98.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.077	0.000	5.803	0.00	4.37
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.077	0.000	5.803	0.00	6.68
98.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.70	0.00	0.077	0.000	5.803	0.00	8.74
100.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.078	0.000	5.837	0.00	4.38
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.078	0.000	5.837	0.00	6.70
100.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.71	0.00	0.078	0.000	5.837	0.00	8.76
102.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.080	0.000	5.870	0.00	4.39
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.080	0.000	5.870	0.00	6.71
102.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.71	0.00	0.080	0.000	5.870	0.00	8.79
104.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.081	0.000	5.903	0.00	4.41
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.081	0.000	5.903	0.00	6.73
104.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.71	0.00	0.081	0.000	5.903	0.00	8.81
106.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.082	0.000	5.935	0.00	4.42
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.082	0.000	5.935	0.00	6.74
106.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.71	0.00	0.082	0.000	5.935	0.00	8.83
108.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.084	0.000	5.967	0.00	4.43
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.084	0.000	5.967	0.00	6.75
108.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.71	0.00	0.084	0.000	5.967	0.00	8.85
109.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.085	0.000	5.982	0.00	2.22
109.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.085	0.000	5.982	0.00	3.38
109.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.35	0.00	0.085	0.000	5.982	0.00	4.43
109.92	Safety Cable	Yes	0.92	0.000	0.38	0.20	0.00	0.086	0.000	5.997	0.00	2.04
109.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.22	0.00	0.086	0.000	5.997	0.00	3.10
109.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.33	0.00	0.086	0.000	5.997	0.00	4.07
110.00	Safety Cable	Yes	0.08	0.000	0.38	0.02	0.00	0.087	0.000	5.998	0.00	0.19
110.00	Step bolts (ladder)	Yes	0.08	0.000	0.63	0.02	0.00	0.087	0.000	5.998	0.00	0.28
110.00	1" Reinforcing plate	Yes	0.08	0.000	2.00	0.03	0.00	0.087	0.000	5.998	0.00	0.37
112.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.029	0.000	6.029	0.00	4.46
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.029	0.000	6.029	0.00	6.78
114.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.030	0.000	6.059	0.00	4.47
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.030	0.000	6.059	0.00	6.79
116.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.031	0.000	6.090	0.00	4.48
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.031	0.000	6.090	0.00	6.81
118.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.031	0.000	6.119	0.00	4.49
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.031	0.000	6.119	0.00	6.82
120.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.032	0.000	6.149	0.00	4.51

Linear Appurtenance Segment Forces (Factored)

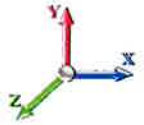
Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 43	

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 23

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)
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.032	0.000	6.149	0.00	6.83
122.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.033	0.000	6.178	0.00	4.52
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.033	0.000	6.178	0.00	6.84
124.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.033	0.000	6.207	0.00	4.53
124.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.033	0.000	6.207	0.00	6.86
126.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.034	0.000	6.235	0.00	4.54
126.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.034	0.000	6.235	0.00	6.87
128.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.035	0.000	6.263	0.00	4.55
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.035	0.000	6.263	0.00	6.88
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.036	0.000	6.291	0.00	4.56
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.036	0.000	6.291	0.00	6.89
132.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.037	0.000	6.319	0.00	4.57
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.037	0.000	6.319	0.00	6.90
134.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.038	0.000	6.346	0.00	4.58
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.038	0.000	6.346	0.00	6.91
136.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.039	0.000	6.373	0.00	4.59
136.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.039	0.000	6.373	0.00	6.92
138.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.040	0.000	6.399	0.00	4.60
138.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.040	0.000	6.399	0.00	6.94
140.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.041	0.000	6.426	0.00	4.62
140.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.041	0.000	6.426	0.00	6.95
142.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.042	0.000	6.452	0.00	4.63
142.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.042	0.000	6.452	0.00	6.96
144.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.043	0.000	6.478	0.00	4.64
144.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.043	0.000	6.478	0.00	6.97
146.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.044	0.000	6.503	0.00	4.65
146.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.044	0.000	6.503	0.00	6.98
147.00	Safety Cable	Yes	1.00	0.000	0.38	0.23	0.00	0.045	0.000	6.516	0.00	2.33
147.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.25	0.00	0.045	0.000	6.516	0.00	3.49
148.00	Safety Cable	Yes	1.00	0.000	0.38	0.23	0.00	0.046	0.000	6.529	0.00	2.33
148.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.25	0.00	0.046	0.000	6.529	0.00	3.49
150.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.047	0.000	6.554	0.00	4.67
150.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.047	0.000	6.554	0.00	7.00
152.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.049	0.000	6.579	0.00	4.67
152.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.049	0.000	6.579	0.00	7.01
154.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.050	0.000	6.603	0.00	4.68
154.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.050	0.000	6.603	0.00	7.02
156.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.052	0.000	6.628	0.00	4.69
156.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.052	0.000	6.628	0.00	7.03
157.00	Safety Cable	Yes	1.00	0.000	0.38	0.23	0.00	0.054	0.000	6.640	0.00	2.35
157.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.25	0.00	0.054	0.000	6.640	0.00	3.52
									Totals:		**0.0**	**1,150.1**

Calculated Forces

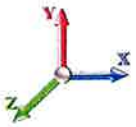
Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023
Page: 44

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 23

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	-68.60	-7.20	0.00	-761.27	0.00	761.27	3884.21	1082.32	6110.61	5372.74	0.00	0.000	0.000	0.159
2.00	-67.59	-7.15	0.00	-746.86	0.00	746.86	3865.76	1071.73	5991.56	5294.53	0.00	-0.008	0.000	0.159
4.00	-66.57	-7.09	0.00	-732.57	0.00	732.57	3846.93	1061.13	5873.68	5216.31	0.01	-0.015	0.000	0.158
6.00	-65.56	-7.04	0.00	-718.39	0.00	718.39	3827.70	1050.54	5756.97	5138.08	0.01	-0.023	0.000	0.157
8.00	-64.55	-6.98	0.00	-704.32	0.00	704.32	3808.09	1039.94	5641.43	5059.86	0.03	-0.031	0.000	0.156
10.00	-63.55	-6.93	0.00	-690.36	0.00	690.36	3788.09	1029.35	5527.07	4981.66	0.04	-0.039	0.000	0.155
11.92	-62.60	-6.87	0.00	-677.09	0.00	677.09	3768.56	1019.19	5418.57	4906.76	0.06	-0.047	0.000	0.155
12.00	-62.53	-6.87	0.00	-676.52	0.00	676.52	3767.70	1018.75	5413.87	4903.51	0.06	-0.047	0.000	0.155
14.00	-60.90	-6.82	0.00	-662.77	0.00	662.77	3746.93	1008.16	5301.85	4825.41	0.08	-0.055	0.000	0.154
16.00	-59.29	-6.76	0.00	-649.14	0.00	649.14	3725.77	997.56	5191.00	4747.39	0.11	-0.064	0.000	0.137
18.00	-57.69	-6.70	0.00	-635.62	0.00	635.62	3704.22	986.97	5081.32	4669.46	0.13	-0.071	0.000	0.136
20.00	-56.10	-6.65	0.00	-622.21	0.00	622.21	2938.21	848.02	4376.49	3716.58	0.17	-0.079	0.000	0.148
22.00	-55.22	-6.60	0.00	-608.92	0.00	608.92	2924.62	838.93	4283.25	3659.53	0.20	-0.086	0.000	0.163
24.00	-54.35	-6.54	0.00	-595.73	0.00	595.73	2910.64	829.85	4191.02	3602.38	0.24	-0.095	0.000	0.162
26.00	-53.48	-6.49	0.00	-582.64	0.00	582.64	2896.28	820.77	4099.80	3545.13	0.28	-0.103	0.000	0.160
28.00	-52.63	-6.44	0.00	-569.66	0.00	569.66	2881.53	811.69	4009.57	3487.80	0.33	-0.112	0.000	0.159
30.00	-51.78	-6.38	0.00	-556.78	0.00	556.78	2866.39	802.61	3920.36	3430.42	0.37	-0.121	0.000	0.158
30.92	-51.39	-6.36	0.00	-550.93	0.00	550.93	2859.32	798.45	3879.80	3404.10	0.40	-0.125	0.000	0.157
30.92	-51.39	-6.36	0.00	-550.93	0.00	550.93	2859.32	798.45	3879.80	3404.10	0.40	-0.125	0.000	0.157
32.00	-50.94	-6.34	0.00	-544.04	0.00	544.04	2850.86	793.53	3832.14	3372.99	0.43	-0.130	0.000	0.156
34.00	-50.10	-6.28	0.00	-531.37	0.00	531.37	2834.95	784.44	3744.93	3315.53	0.48	-0.138	0.000	0.155
36.00	-49.27	-6.23	0.00	-518.81	0.00	518.81	2818.65	775.36	3658.72	3258.05	0.54	-0.147	0.000	0.154
38.00	-48.45	-6.18	0.00	-506.35	0.00	506.35	2801.96	766.28	3573.52	3200.58	0.61	-0.156	0.000	0.152
40.00	-47.64	-6.12	0.00	-494.00	0.00	494.00	2784.89	757.20	3489.32	3143.12	0.67	-0.166	0.000	0.151
42.00	-46.83	-6.07	0.00	-481.75	0.00	481.75	2767.43	748.12	3406.12	3085.70	0.75	-0.175	0.000	0.150
44.00	-46.04	-6.01	0.00	-469.62	0.00	469.62	2749.58	739.04	3323.93	3028.33	0.82	-0.184	0.000	0.148
46.00	-45.24	-5.96	0.00	-457.59	0.00	457.59	2731.34	729.96	3242.74	2971.03	0.90	-0.194	0.000	0.147
48.00	-44.46	-5.90	0.00	-445.68	0.00	445.68	2712.72	720.87	3162.56	2913.81	0.98	-0.203	0.000	0.146
49.00	-44.07	-5.87	0.00	-439.78	0.00	439.78	2703.26	716.33	3122.84	2885.23	1.03	-0.208	0.000	0.145
49.00	-44.07	-5.87	0.00	-439.78	0.00	439.78	2703.26	716.33	3122.84	2885.23	1.03	-0.208	0.000	0.166
50.00	-43.69	-5.85	0.00	-433.90	0.00	433.90	2693.71	711.79	3083.38	2856.68	1.07	-0.213	0.000	0.168
52.00	-42.93	-5.79	0.00	-422.21	0.00	422.21	2674.32	702.71	3005.20	2799.67	1.16	-0.224	0.000	0.167
54.00	-42.17	-5.74	0.00	-410.62	0.00	410.62	2654.53	693.63	2928.03	2742.78	1.26	-0.235	0.000	0.166
56.00	-41.43	-5.69	0.00	-399.14	0.00	399.14	2634.36	684.55	2851.86	2686.04	1.36	-0.247	0.000	0.164
58.00	-40.69	-5.63	0.00	-387.76	0.00	387.76	2613.81	675.47	2776.69	2629.46	1.47	-0.258	0.000	0.163
60.00	-39.96	-5.58	0.00	-376.50	0.00	376.50	2592.86	666.39	2702.53	2573.06	1.58	-0.270	0.000	0.162
62.00	-39.24	-5.52	0.00	-365.34	0.00	365.34	2571.53	657.30	2629.37	2516.85	1.69	-0.282	0.000	0.160
64.00	-38.53	-5.47	0.00	-354.30	0.00	354.30	2549.81	648.22	2557.22	2460.85	1.81	-0.294	0.000	0.159
64.92	-38.21	-5.44	0.00	-349.28	0.00	349.28	2539.73	644.06	2524.48	2435.25	1.87	-0.300	0.000	0.159
66.00	-37.61	-5.41	0.00	-343.39	0.00	343.39	2527.71	639.14	2486.07	2405.07	1.94	-0.306	0.000	0.132
68.00	-36.52	-5.36	0.00	-332.56	0.00	332.56	2505.22	630.06	2415.92	2349.53	2.07	-0.317	0.000	0.131
70.00	-35.44	-5.30	0.00	-321.85	0.00	321.85	2482.34	620.98	2346.78	2294.24	2.20	-0.327	0.000	0.129
70.92	-34.94	-5.27	0.00	-317.00	0.00	317.00	1926.34	521.86	1988.87	1797.99	2.27	-0.332	0.000	0.141
72.00	-34.61	-5.24	0.00	-311.29	0.00	311.29	1918.38	517.76	1957.74	1776.40	2.34	-0.337	0.000	0.157
74.00	-33.99	-5.18	0.00	-300.81	0.00	300.81	1903.38	510.19	1900.93	1736.57	2.49	-0.349	0.000	0.155
74.92	-33.71	-5.16	0.00	-296.05	0.00	296.05	1896.38	506.72	1875.17	1718.34	2.56	-0.355	0.000	0.154
74.92	-33.71	-5.16	0.00	-296.05	0.00	296.05	1896.38	506.72	1875.17	1718.34	2.56	-0.355	0.000	0.154
76.00	-33.38	-5.13	0.00	-290.46	0.00	290.46	1888.00	502.62	1844.95	1696.81	2.64	-0.361	0.000	0.152

Calculated Forces

Structure: CT00252-S-SBA | **Code:** TIA-222-H | 7/7/2023

Site Name: Prospect | **Exposure:** B

Height: 157.00 (ft) | **Crest Height:** 0.00

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

Gh: 1.1 | **Topography:** 1 | **Struct Class:** II | Page: 45

Tower Engineering Solutions

78.00	-32.78	-5.08	0.00	-280.20	0.00	280.20	1872.23	495.06	1789.81	1657.12	2.79	-0.373	0.000	0.150
80.00	-32.19	-5.02	0.00	-270.04	0.00	270.04	1856.07	487.49	1735.51	1617.53	2.95	-0.385	0.000	0.148
82.00	-31.60	-4.97	0.00	-259.99	0.00	259.99	1839.53	479.92	1682.04	1578.04	3.11	-0.397	0.000	0.145
84.00	-31.02	-4.92	0.00	-250.05	0.00	250.05	1822.60	472.35	1629.41	1538.68	3.28	-0.409	0.000	0.143
86.00	-30.44	-4.86	0.00	-240.22	0.00	240.22	1805.28	464.78	1577.62	1499.46	3.46	-0.421	0.000	0.140
88.00	-29.88	-4.81	0.00	-230.49	0.00	230.49	1787.57	457.22	1526.66	1460.40	3.64	-0.433	0.000	0.138
89.92	-29.34	-4.76	0.00	-221.27	0.00	221.27	1770.24	449.96	1478.61	1423.12	3.81	-0.445	0.000	0.135
90.00	-29.30	-4.76	0.00	-220.87	0.00	220.87	1769.48	449.65	1476.54	1421.50	3.82	-0.446	0.000	0.135
92.00	-28.49	-4.70	0.00	-211.35	0.00	211.35	1751.00	442.08	1427.26	1382.80	4.01	-0.458	0.000	0.132
94.00	-27.69	-4.65	0.00	-201.94	0.00	201.94	1732.14	434.51	1378.81	1344.29	4.20	-0.470	0.000	0.129
94.92	-27.32	-4.62	0.00	-197.68	0.00	197.68	1262.32	349.97	1118.08	987.98	4.30	-0.476	0.000	0.143
96.00	-27.06	-4.60	0.00	-192.67	0.00	192.67	1256.50	346.69	1097.22	974.14	4.40	-0.482	0.000	0.162
98.00	-26.58	-4.55	0.00	-183.48	0.00	183.48	1245.44	340.64	1059.23	948.60	4.61	-0.496	0.000	0.158
100.00	-25.37	-4.26	0.00	-174.39	0.00	174.39	1234.00	334.58	1021.92	923.07	4.82	-0.510	0.000	0.153
102.00	-24.92	-4.21	0.00	-165.87	0.00	165.87	1222.17	328.53	985.27	897.56	5.04	-0.524	0.000	0.149
104.00	-24.48	-4.16	0.00	-157.45	0.00	157.45	1209.95	322.47	949.29	872.10	5.26	-0.538	0.000	0.145
106.00	-24.04	-4.11	0.00	-149.13	0.00	149.13	1197.35	316.42	913.98	846.70	5.49	-0.552	0.000	0.141
108.00	-23.61	-4.06	0.00	-140.91	0.00	140.91	1184.36	310.36	879.34	821.38	5.72	-0.566	0.000	0.137
109.00	-23.40	-4.04	0.00	-136.85	0.00	136.85	1177.71	307.34	862.27	808.75	5.84	-0.573	0.000	0.134
109.00	-23.40	-4.04	0.00	-136.85	0.00	136.85	1177.71	307.34	862.27	808.75	5.84	-0.573	0.000	0.183
109.92	-23.20	-4.01	0.00	-133.15	0.00	133.15	1171.54	304.56	846.77	797.19	5.95	-0.579	0.000	0.187
109.92	-23.20	-4.01	0.00	-133.15	0.00	133.15	1171.54	304.56	846.77	797.19	5.95	-0.579	0.000	0.187
110.00	-23.18	-4.02	0.00	-132.82	0.00	132.82	1170.98	304.31	845.36	796.14	5.96	-0.580	0.000	0.187
112.00	-22.77	-3.97	0.00	-124.79	0.00	124.79	1157.21	298.26	812.06	771.01	6.21	-0.599	0.000	0.182
114.00	-22.37	-3.93	0.00	-116.85	0.00	116.85	1143.06	292.20	779.43	746.01	6.47	-0.618	0.000	0.176
116.00	-21.97	-3.88	0.00	-109.00	0.00	109.00	1128.52	286.15	747.46	721.14	6.73	-0.637	0.000	0.171
118.00	-21.58	-3.84	0.00	-101.24	0.00	101.24	1113.60	280.09	716.17	696.43	7.00	-0.656	0.000	0.165
120.00	-21.19	-3.79	0.00	-93.56	0.00	93.56	1098.28	274.04	685.54	671.88	7.28	-0.675	0.000	0.159
122.00	-20.82	-3.75	0.00	-85.98	0.00	85.98	1082.58	267.98	655.59	647.53	7.57	-0.693	0.000	0.152
124.00	-20.44	-3.71	0.00	-78.48	0.00	78.48	1066.50	261.93	626.30	623.37	7.86	-0.711	0.000	0.145
126.00	-20.08	-3.67	0.00	-71.06	0.00	71.06	1050.02	255.88	597.68	599.43	8.16	-0.729	0.000	0.138
128.00	-19.71	-3.62	0.00	-63.73	0.00	63.73	1033.16	249.82	569.73	575.73	8.47	-0.746	0.000	0.130
130.00	-19.36	-3.58	0.00	-56.48	0.00	56.48	1015.91	243.77	542.45	552.28	8.79	-0.762	0.000	0.122
132.00	-11.98	-2.45	0.00	-49.32	0.00	49.32	998.40	237.71	515.84	529.15	9.11	-0.777	0.000	0.105
134.00	-11.67	-2.41	0.00	-44.41	0.00	44.41	972.97	231.66	489.90	502.41	9.44	-0.792	0.000	0.100
136.00	-11.37	-2.37	0.00	-39.58	0.00	39.58	947.54	225.60	464.63	476.37	9.77	-0.806	0.000	0.095
138.00	-11.07	-2.33	0.00	-34.84	0.00	34.84	922.11	219.55	440.03	451.02	10.11	-0.820	0.000	0.089
140.00	-10.78	-2.29	0.00	-30.18	0.00	30.18	896.68	213.50	416.09	426.36	10.46	-0.833	0.000	0.083
142.00	-10.50	-2.25	0.00	-25.60	0.00	25.60	871.26	207.44	392.83	402.40	10.81	-0.845	0.000	0.076
144.00	-10.22	-2.21	0.00	-21.10	0.00	21.10	845.83	201.39	370.23	379.13	11.17	-0.856	0.000	0.068
146.00	-9.95	-2.17	0.00	-16.67	0.00	16.67	820.40	195.33	348.31	356.55	11.53	-0.866	0.000	0.059
147.00	-6.41	-1.48	0.00	-14.50	0.00	14.50	807.68	192.31	337.59	345.53	11.71	-0.870	0.000	0.050
148.00	-6.29	-1.46	0.00	-13.02	0.00	13.02	794.97	189.28	327.05	334.67	11.89	-0.874	0.000	0.047
150.00	-6.05	-1.43	0.00	-10.09	0.00	10.09	769.54	183.22	306.46	313.48	12.26	-0.881	0.000	0.040
152.00	-5.82	-1.39	0.00	-7.24	0.00	7.24	744.11	177.17	286.54	292.98	12.63	-0.887	0.000	0.033
154.00	-5.60	-1.35	0.00	-4.46	0.00	4.46	718.69	171.12	267.29	273.18	13.01	-0.892	0.000	0.024
156.00	-5.38	-1.32	0.00	-1.75	0.00	1.75	693.26	165.06	248.71	254.07	13.38	-0.894	0.000	0.015
157.00	0.00	-1.24	0.00	-0.43	0.00	0.43	680.54	162.03	239.68	244.77	13.57	-0.895	0.000	0.002

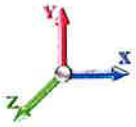
Seismic Segment Forces (Factored)

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 46	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.21	**Iterations**	22
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.20
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.49	**SA**	0.04	**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		745.90	1.00	31.67	0.00
4.00		739.54	3.00	31.40	0.03
6.00		733.18	5.00	31.13	0.08
8.00		726.82	7.00	30.86	0.14
10.00		720.46	9.00	30.59	0.21
11.92	Bot - Section 2	684.48	10.96	29.06	0.27
12.00		51.75	11.96	2.20	0.00
14.00		1235.7	13.00	52.46	1.04
16.00	RB1	1223.9	15.00	51.96	1.31
18.00		1212.1	17.00	51.46	1.61
20.00	Top - Section 1	1200.3	19.00	50.96	1.93
22.00		605.74	21.00	25.72	0.69
24.00		600.29	23.00	25.48	0.80
26.00		594.84	25.00	25.25	0.91
28.00		589.39	27.00	25.02	1.02
30.00		583.94	29.00	24.79	1.14
30.92	Top - Section 2	265.82	30.46	11.28	0.31
32.00		312.67	31.46	13.27	0.44
34.00		573.03	33.00	24.33	1.39
36.00		567.58	35.00	24.10	1.51
38.00		562.13	37.00	23.86	1.64
40.00		556.68	39.00	23.63	1.77
42.00		551.23	41.00	23.40	1.90
44.00		545.78	43.00	23.17	2.03
46.00		540.33	45.00	22.94	2.16
48.00		534.88	47.00	22.71	2.29
49.00	RT1	265.40	48.50	11.27	0.70
50.00		264.04	49.50	11.21	0.72
52.00		523.98	51.00	22.24	2.55
54.00		518.53	53.00	22.01	2.67
56.00		513.08	55.00	21.78	2.80
58.00		507.63	57.00	21.55	2.93
60.00		502.18	59.00	21.32	3.05
62.00		496.73	61.00	21.09	3.17
64.00		491.28	63.00	20.86	3.30
64.92	Bot - Section 4	223.35	64.46	9.48	0.86
66.00	RB2	438.84	65.46	18.63	2.89
68.00		802.46	67.00	34.07	8.71
70.00		792.47	69.00	33.64	8.97
70.92	Top - Section 3	359.88	70.46	15.28	2.32
72.00		222.89	71.46	9.46	1.02
74.00		407.99	73.00	17.32	3.08
74.92	Top - Section 4	185.48	74.46	7.87	0.80
76.00		217.97	75.46	9.25	1.08
78.00		398.91	77.00	16.93	3.25

Seismic Segment Forces (Factored)

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (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	

80.00			394.37	79.00	16.74	3.33		
82.00			389.82	81.00	16.55	3.41		
84.00			385.28	83.00	16.36	3.49		
86.00			380.74	85.00	16.16	3.56		
88.00			376.20	87.00	15.97	3.64		
89.92	Bot - Section 6		356.26	88.96	15.12	3.44		
90.00			24.52	89.96	1.04	0.03		
92.00			584.26	91.00	24.80	8.54		
94.00			576.09	93.00	24.46	8.65		
94.92	Top - Section 5		261.31	94.46	11.09	2.21		
96.00			167.15	95.46	7.10	1.03		
98.00			305.78	97.00	12.98	3.06		
100.00	Appurtenance(s)		629.15	99.00	26.71	11.28		
102.00			283.54	101.00	12.04	2.87		
104.00			279.90	103.00	11.88	2.91		
106.00			276.27	105.00	11.73	2.94		
108.00			272.64	107.00	11.57	2.97		
109.00	RT2		134.96	108.50	5.73	0.88		
109.92	Top - Section 6		122.91	109.46	5.22	0.76		
110.00			11.14	109.96	0.47	0.01		
112.00			265.37	111.00	11.27	3.02		
114.00			261.74	113.00	11.11	3.04		
116.00			258.10	115.00	10.96	3.06		
118.00			254.47	117.00	10.80	3.08		
120.00			250.84	119.00	10.65	3.09		
122.00			247.20	121.00	10.49	3.10		
124.00			243.57	123.00	10.34	3.11		
126.00			239.94	125.00	10.19	3.12		
128.00			236.30	127.00	10.03	3.12		
130.00			232.67	129.00	9.88	3.12		
132.00	Appurtenance(s)		3538.8	131.00	150.24	385.14		
134.00			192.67	133.00	8.18	2.36		
136.00			189.03	135.00	8.03	2.35		
138.00			185.40	137.00	7.87	2.33		
140.00			181.77	139.00	7.72	2.31		
142.00			178.13	141.00	7.56	2.28		
144.00			174.50	143.00	7.41	2.26		
146.00			170.87	145.00	7.25	2.23		
147.00	Appurtenance(s)		1824.3	146.50	77.45	146.18		
148.00			71.93	147.50	3.05	0.50		
150.00			141.14	149.00	5.99	1.67		
152.00			137.50	151.00	5.84	1.63		
154.00			133.87	153.00	5.68	1.59		
156.00			130.24	155.00	5.53	1.55		
157.00	Appurtenance(s)		2690.3	156.50	114.21	325.14		
		Totals:	**44,034.8**		**1,869.4**	**1,060.9**	**Total Wind:**	**29,496.6**

Calculated Forces

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1
Topography: 1

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

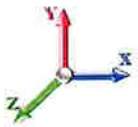
7/7/2023

Tower Engineering Solutions

Load Case: 1.2D + 1.0Ev + 1.0Eh
Gust Response Factor 1.10
Dead Load Factor 1.20
Wind Load Factor 0.00

Seismic Load Factor 1.00
Structure Frequency (f1) 0.49

Sds 0.21
Sd1 0.09
SA 0.04



Iterations 22
Ss 0.20
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	-53.34	-1.06	0.00	-145.04	0.00	145.04	3884.21	1082.32	6110.61	5372.74		0.00	0.00	0.041
2.00	-52.43	-1.06	0.00	-142.92	0.00	142.92	3865.76	1071.73	5991.56	5294.53		0.00	0.00	0.041
4.00	-51.53	-1.06	0.00	-140.79	0.00	140.79	3846.93	1061.13	5873.68	5216.31		0.00	0.00	0.040
6.00	-50.64	-1.06	0.00	-138.67	0.00	138.67	3827.70	1050.54	5756.97	5138.08		0.00	0.00	0.040
8.00	-49.76	-1.07	0.00	-136.54	0.00	136.54	3808.09	1039.94	5641.43	5059.86		0.01	-0.01	0.040
10.00	-48.88	-1.07	0.00	-134.41	0.00	134.41	3788.09	1029.35	5527.07	4981.66		0.01	-0.01	0.040
11.92	-48.05	-1.07	0.00	-132.36	0.00	132.36	3768.56	1019.19	5418.57	4906.76		0.01	-0.01	0.040
12.00	-47.99	-1.07	0.00	-132.28	0.00	132.28	3767.70	1018.75	5413.87	4903.51		0.01	-0.01	0.040
14.00	-46.47	-1.07	0.00	-130.14	0.00	130.14	3746.93	1008.16	5301.85	4825.41		0.02	-0.01	0.039
16.00	-44.97	-1.07	0.00	-128.01	0.00	128.01	3725.77	997.56	5191.00	4747.39		0.02	-0.01	0.035
18.00	-43.49	-1.07	0.00	-125.87	0.00	125.87	3704.22	986.97	5081.32	4669.46		0.03	-0.01	0.035
20.00	-42.01	-1.07	0.00	-123.74	0.00	123.74	2938.21	848.02	4376.49	3716.58		0.03	-0.02	0.038
22.00	-41.28	-1.07	0.00	-121.61	0.00	121.61	2924.62	838.93	4283.25	3659.53		0.04	-0.02	0.042
24.00	-40.56	-1.07	0.00	-119.48	0.00	119.48	2910.64	829.85	4191.02	3602.38		0.05	-0.02	0.041
26.00	-39.84	-1.07	0.00	-117.35	0.00	117.35	2896.28	820.77	4099.80	3545.13		0.05	-0.02	0.041
28.00	-39.12	-1.07	0.00	-115.22	0.00	115.22	2881.53	811.69	4009.57	3487.80		0.06	-0.02	0.041
30.00	-38.42	-1.06	0.00	-113.08	0.00	113.08	2866.39	802.61	3920.36	3430.42		0.07	-0.02	0.041
30.92	-38.10	-1.07	0.00	-112.11	0.00	112.11	2859.32	798.45	3879.80	3404.10		0.08	-0.02	0.040
30.92	-38.10	-1.07	0.00	-112.11	0.00	112.11	2859.32	798.45	3879.80	3404.10		0.08	-0.02	0.040
32.00	-37.72	-1.07	0.00	-110.95	0.00	110.95	2850.86	793.53	3832.14	3372.99		0.08	-0.03	0.040
34.00	-37.03	-1.06	0.00	-108.82	0.00	108.82	2834.95	784.44	3744.93	3315.53		0.09	-0.03	0.040
36.00	-36.34	-1.06	0.00	-106.69	0.00	106.69	2818.65	775.36	3658.72	3258.05		0.11	-0.03	0.040
38.00	-35.66	-1.06	0.00	-104.57	0.00	104.57	2801.96	766.28	3573.52	3200.58		0.12	-0.03	0.040
40.00	-34.99	-1.06	0.00	-102.44	0.00	102.44	2784.89	757.20	3489.32	3143.12		0.13	-0.03	0.039
42.00	-34.33	-1.06	0.00	-100.31	0.00	100.31	2767.43	748.12	3406.12	3085.70		0.15	-0.03	0.039
44.00	-33.67	-1.06	0.00	-98.19	0.00	98.19	2749.58	739.04	3323.93	3028.33		0.16	-0.04	0.039
46.00	-33.02	-1.06	0.00	-96.07	0.00	96.07	2731.34	729.96	3242.74	2971.03		0.18	-0.04	0.038
48.00	-32.37	-1.06	0.00	-93.95	0.00	93.95	2712.72	720.87	3162.56	2913.81		0.19	-0.04	0.038
49.00	-32.05	-1.06	0.00	-92.90	0.00	92.90	2703.26	716.33	3122.84	2885.23		0.20	-0.04	0.038
49.00	-32.05	-1.06	0.00	-92.90	0.00	92.90	2703.26	716.33	3122.84	2885.23		0.20	-0.04	0.042
50.00	-31.73	-1.06	0.00	-91.84	0.00	91.84	2693.71	711.79	3083.38	2856.68		0.21	-0.04	0.044
52.00	-31.10	-1.05	0.00	-89.73	0.00	89.73	2674.32	702.71	3005.20	2799.67		0.23	-0.05	0.044
54.00	-30.48	-1.05	0.00	-87.62	0.00	87.62	2654.53	693.63	2928.03	2742.78		0.25	-0.05	0.043
56.00	-29.86	-1.05	0.00	-85.52	0.00	85.52	2634.36	684.55	2851.86	2686.04		0.27	-0.05	0.043
58.00	-29.25	-1.05	0.00	-83.41	0.00	83.41	2613.81	675.47	2776.69	2629.46		0.29	-0.05	0.043
60.00	-28.65	-1.05	0.00	-81.32	0.00	81.32	2592.86	666.39	2702.53	2573.06		0.31	-0.06	0.043
62.00	-28.05	-1.04	0.00	-79.22	0.00	79.22	2571.53	657.30	2629.37	2516.85		0.34	-0.06	0.042
64.00	-27.46	-1.04	0.00	-77.14	0.00	77.14	2549.81	648.22	2557.22	2460.85		0.36	-0.06	0.042
64.92	-27.19	-1.04	0.00	-76.18	0.00	76.18	2539.73	644.06	2524.48	2435.25		0.37	-0.06	0.042
66.00	-26.66	-1.04	0.00	-75.06	0.00	75.06	2527.71	639.14	2486.07	2405.07		0.39	-0.06	0.035
68.00	-25.68	-1.03	0.00	-72.98	0.00	72.98	2505.22	630.06	2415.92	2349.53		0.42	-0.07	0.035
70.00	-24.71	-1.02	0.00	-70.92	0.00	70.92	2482.34	620.98	2346.78	2294.24		0.44	-0.07	0.034
70.92	-24.28	-1.02	0.00	-69.99	0.00	69.99	1926.34	521.86	1988.87	1797.99		0.46	-0.07	0.037
72.00	-24.01	-1.02	0.00	-68.89	0.00	68.89	1918.38	517.76	1957.74	1776.40		0.47	-0.07	0.042
74.00	-23.52	-1.01	0.00	-66.86	0.00	66.86	1903.38	510.19	1900.93	1736.57		0.50	-0.07	0.041
74.92	-23.30	-1.01	0.00	-65.93	0.00	65.93	1896.38	506.72	1875.17	1718.34		0.52	-0.07	0.041
74.92	-23.30	-1.01	0.00	-65.93	0.00	65.93	1896.38	506.72	1875.17	1718.34		0.52	-0.07	0.041

Calculated Forces

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

TES Tower Engineering Solutions

76.00	-23.04	-1.01	0.00	-64.83	0.00	64.83	1888.00	502.62	1844.95	1696.81	0.53	-0.08	0.041
78.00	-22.57	-1.01	0.00	-62.80	0.00	62.80	1872.23	495.06	1789.81	1657.12	0.56	-0.08	0.040
80.00	-22.10	-1.01	0.00	-60.78	0.00	60.78	1856.07	487.49	1735.51	1617.53	0.60	-0.08	0.040
82.00	-21.63	-1.00	0.00	-58.77	0.00	58.77	1839.53	479.92	1682.04	1578.04	0.63	-0.08	0.039
84.00	-21.17	-1.00	0.00	-56.76	0.00	56.76	1822.60	472.35	1629.41	1538.68	0.67	-0.09	0.039
86.00	-20.72	-1.00	0.00	-54.76	0.00	54.76	1805.28	464.78	1577.62	1499.46	0.70	-0.09	0.038
88.00	-20.27	-0.99	0.00	-52.77	0.00	52.77	1787.57	457.22	1526.66	1460.40	0.74	-0.09	0.038
89.92	-19.85	-0.99	0.00	-50.86	0.00	50.86	1770.24	449.96	1478.61	1423.12	0.78	-0.09	0.037
90.00	-19.82	-0.99	0.00	-50.78	0.00	50.78	1769.48	449.65	1476.54	1421.50	0.78	-0.09	0.037
92.00	-19.11	-0.98	0.00	-48.80	0.00	48.80	1751.00	442.08	1427.26	1382.80	0.82	-0.10	0.036
94.00	-18.42	-0.97	0.00	-46.83	0.00	46.83	1732.14	434.51	1378.81	1344.29	0.86	-0.10	0.035
94.92	-18.10	-0.97	0.00	-45.94	0.00	45.94	1262.32	349.97	1118.08	987.98	0.88	-0.10	0.039
96.00	-17.90	-0.97	0.00	-44.89	0.00	44.89	1256.50	346.69	1097.22	974.14	0.90	-0.10	0.045
98.00	-17.54	-0.97	0.00	-42.95	0.00	42.95	1245.44	340.64	1059.23	948.60	0.95	-0.11	0.044
100.00	-16.78	-0.96	0.00	-41.02	0.00	41.02	1234.00	334.58	1021.92	923.07	0.99	-0.11	0.043
102.00	-16.45	-0.95	0.00	-39.11	0.00	39.11	1222.17	328.53	985.27	897.56	1.04	-0.11	0.042
104.00	-16.12	-0.95	0.00	-37.20	0.00	37.20	1209.95	322.47	949.29	872.10	1.09	-0.12	0.041
106.00	-15.79	-0.95	0.00	-35.30	0.00	35.30	1197.35	316.42	913.98	846.70	1.14	-0.12	0.040
108.00	-15.47	-0.94	0.00	-33.40	0.00	33.40	1184.36	310.36	879.34	821.38	1.19	-0.12	0.039
109.00	-15.31	-0.94	0.00	-32.46	0.00	32.46	1177.71	307.34	862.27	808.75	1.21	-0.12	0.038
109.00	-15.31	-0.94	0.00	-32.46	0.00	32.46	1177.71	307.34	862.27	808.75	1.21	-0.12	0.049
109.92	-15.16	-0.94	0.00	-31.59	0.00	31.59	1171.54	304.56	846.77	797.19	1.24	-0.13	0.053
109.92	-15.16	-0.94	0.00	-31.59	0.00	31.59	1171.54	304.56	846.77	797.19	1.24	-0.13	0.053
110.00	-15.15	-0.94	0.00	-31.52	0.00	31.52	1170.98	304.31	845.36	796.14	1.24	-0.13	0.053
112.00	-14.84	-0.94	0.00	-29.63	0.00	29.63	1157.21	298.26	812.06	771.01	1.29	-0.13	0.051
114.00	-14.53	-0.94	0.00	-27.75	0.00	27.75	1143.06	292.20	779.43	746.01	1.35	-0.13	0.050
116.00	-14.22	-0.94	0.00	-25.87	0.00	25.87	1128.52	286.15	747.46	721.14	1.41	-0.14	0.048
118.00	-13.93	-0.93	0.00	-24.00	0.00	24.00	1113.60	280.09	716.17	696.43	1.47	-0.14	0.047
120.00	-13.63	-0.93	0.00	-22.13	0.00	22.13	1098.28	274.04	685.54	671.88	1.53	-0.15	0.045
122.00	-13.34	-0.93	0.00	-20.27	0.00	20.27	1082.58	267.98	655.59	647.53	1.59	-0.15	0.044
124.00	-13.05	-0.92	0.00	-18.42	0.00	18.42	1066.50	261.93	626.30	623.37	1.66	-0.16	0.042
126.00	-12.77	-0.92	0.00	-16.57	0.00	16.57	1050.02	255.88	597.68	599.43	1.72	-0.16	0.040
128.00	-12.50	-0.92	0.00	-14.72	0.00	14.72	1033.16	249.82	569.73	575.73	1.79	-0.16	0.038
130.00	-12.22	-0.92	0.00	-12.89	0.00	12.89	1015.91	243.77	542.45	552.28	1.86	-0.17	0.035
132.00	-7.85	-0.52	0.00	-11.06	0.00	11.06	998.40	237.71	515.84	529.15	1.93	-0.17	0.029
134.00	-7.62	-0.52	0.00	-10.02	0.00	10.02	972.97	231.66	489.90	502.41	2.00	-0.18	0.028
136.00	-7.39	-0.51	0.00	-8.99	0.00	8.99	947.54	225.60	464.63	476.37	2.08	-0.18	0.027
138.00	-7.17	-0.51	0.00	-7.96	0.00	7.96	922.11	219.55	440.03	451.02	2.15	-0.18	0.025
140.00	-6.96	-0.51	0.00	-6.94	0.00	6.94	896.68	213.50	416.09	426.36	2.23	-0.18	0.024
142.00	-6.75	-0.50	0.00	-5.93	0.00	5.93	871.26	207.44	392.83	402.40	2.31	-0.19	0.022
144.00	-6.54	-0.50	0.00	-4.92	0.00	4.92	845.83	201.39	370.23	379.13	2.39	-0.19	0.021
146.00	-6.34	-0.50	0.00	-3.92	0.00	3.92	820.40	195.33	348.31	356.55	2.47	-0.19	0.019
147.00	-4.08	-0.35	0.00	-3.42	0.00	3.42	807.68	192.31	337.59	345.53	2.51	-0.19	0.015
148.00	-3.99	-0.35	0.00	-3.07	0.00	3.07	794.97	189.28	327.05	334.67	2.55	-0.19	0.014
150.00	-3.82	-0.34	0.00	-2.38	0.00	2.38	769.54	183.22	306.46	313.48	2.63	-0.20	0.013
152.00	-3.65	-0.34	0.00	-1.70	0.00	1.70	744.11	177.17	286.54	292.98	2.71	-0.20	0.011
154.00	-3.49	-0.34	0.00	-1.01	0.00	1.01	718.69	171.12	267.29	273.18	2.80	-0.20	0.009
156.00	-3.34	-0.34	0.00	-0.34	0.00	0.34	693.26	165.06	248.71	254.07	2.88	-0.20	0.006
157.00	0.00	-0.33	0.00	0.00	0.00	0.00	680.54	162.03	239.68	244.77	2.92	-0.20	0.000

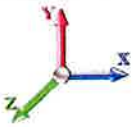
Seismic Segment Forces (Factored)

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (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	

Tower Engineering Solutions

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.21	**Iterations**	21
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.20
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.49	**SA**	0.04	**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		721.01	1.00	30.61	0.00
4.00		714.66	3.00	30.34	0.03
6.00		708.30	5.00	30.07	0.07
8.00		701.94	7.00	29.80	0.13
10.00		695.58	9.00	29.53	0.20
11.92	Bot - Section 2	660.63	10.96	28.05	0.26
12.00		50.71	11.96	2.15	0.00
14.00		1210.8	13.00	51.41	1.03
16.00	RB1	1199.0	15.00	50.90	1.30
18.00		1187.2	17.00	50.40	1.59
20.00	Top - Section 1	1175.4	19.00	49.90	1.90
22.00		580.85	21.00	24.66	0.66
24.00		575.40	23.00	24.43	0.76
26.00		569.95	25.00	24.20	0.86
28.00		564.50	27.00	23.96	0.97
30.00		559.05	29.00	23.73	1.08
30.92	Top - Section 2	254.41	30.46	10.80	0.30
32.00		299.19	31.46	12.70	0.42
34.00		548.15	33.00	23.27	1.31
36.00		542.70	35.00	23.04	1.43
38.00		537.25	37.00	22.81	1.55
40.00		531.80	39.00	22.58	1.67
42.00		526.35	41.00	22.35	1.79
44.00		520.90	43.00	22.11	1.91
46.00		515.45	45.00	21.88	2.03
48.00		510.00	47.00	21.65	2.15
49.00	RT1	252.96	48.50	10.74	0.66
50.00		251.59	49.50	10.68	0.68
52.00		499.10	51.00	21.19	2.39
54.00		493.65	53.00	20.96	2.51
56.00		488.20	55.00	20.73	2.63
58.00		482.75	57.00	20.49	2.75
60.00		477.30	59.00	20.26	2.86
62.00		471.85	61.00	20.03	2.97
64.00		466.40	63.00	19.80	3.08
64.92	Bot - Section 4	211.94	64.46	9.00	0.80
66.00	RB2	425.36	65.46	18.06	2.80
68.00		777.58	67.00	33.01	8.44
70.00		767.59	69.00	32.59	8.69
70.92	Top - Section 3	348.47	70.46	14.79	2.25
72.00		209.41	71.46	8.89	0.94
74.00		383.11	73.00	16.26	2.83
74.92	Top - Section 4	174.07	74.46	7.39	0.73
76.00		204.49	75.46	8.68	0.99
78.00		374.02	77.00	15.88	2.98

Seismic Segment Forces (Factored)

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

Tower Engineering Solutions

80.00			369.48	79.00	15.69	3.05		
82.00			364.94	81.00	15.49	3.11		
84.00			360.40	83.00	15.30	3.18		
86.00			355.86	85.00	15.11	3.24		
88.00			351.31	87.00	14.91	3.30		
89.92	Bot - Section 6		332.41	88.96	14.11	3.12		
90.00			23.48	89.96	1.00	0.03		
92.00			559.38	91.00	23.75	8.10		
94.00			551.20	93.00	23.40	8.20		
94.92	Top - Section 5		249.90	94.46	10.61	2.10		
96.00			153.67	95.46	6.52	0.91		
98.00			280.90	97.00	11.93	2.70		
100.00	Appurtenance(s)		604.26	99.00	25.65	10.76		
102.00			262.40	101.00	11.14	2.57		
104.00			258.76	103.00	10.99	2.60		
106.00			255.13	105.00	10.83	2.62		
108.00			251.50	107.00	10.68	2.64		
109.00	RT2		124.39	108.50	5.28	0.78		
109.92	Top - Section 6		113.22	109.46	4.81	0.68		
110.00			10.26	109.96	0.44	0.01		
112.00			244.23	111.00	10.37	2.67		
114.00			240.60	113.00	10.21	2.69		
116.00			236.96	115.00	10.06	2.70		
118.00			233.33	117.00	9.91	2.71		
120.00			229.70	119.00	9.75	2.71		
122.00			226.06	121.00	9.60	2.72		
124.00			222.43	123.00	9.44	2.72		
126.00			218.80	125.00	9.29	2.72		
128.00			215.16	127.00	9.13	2.71		
130.00			211.53	129.00	8.98	2.71		
132.00	Appurtenance(s)		3517.7	131.00	149.34	390.52		
134.00			179.71	133.00	7.63	2.14		
136.00			176.08	135.00	7.48	2.12		
138.00			172.44	137.00	7.32	2.10		
140.00			168.81	139.00	7.17	2.07		
142.00			165.18	141.00	7.01	2.05		
144.00			161.54	143.00	6.86	2.02		
146.00			157.91	145.00	6.70	1.99		
147.00	Appurtenance(s)		1817.8	146.50	77.18	148.86		
148.00			68.26	147.50	2.90	0.47		
150.00			133.80	149.00	5.68	1.56		
152.00			130.16	151.00	5.53	1.52		
154.00			126.53	153.00	5.37	1.48		
156.00			122.90	155.00	5.22	1.44		
157.00	Appurtenance(s)		2686.6	156.50	114.06	332.38		
		Totals:	**42,318.5**		**1,796.6**	**1,060.9**	**Total Wind:**	**29,496.6**

Calculated Forces

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

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Tower Engineering Solutions

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor 1.10
Dead Load Factor 0.90
Wind Load Factor 0.00

Seismic Load Factor 1.00
Structure Frequency (f1) 0.49

Sds 0.21
Sd1 0.09
SA 0.04

Iterations 21
Ss 0.20
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	-40.40	-1.06	0.00	-144.66	0.00	144.66	3884.21	1082.32	6110.61	5372.74		0.00	0.00	0.037
2.00	-39.71	-1.06	0.00	-142.55	0.00	142.55	3865.76	1071.73	5991.56	5294.53		0.00	0.00	0.037
4.00	-39.03	-1.06	0.00	-140.43	0.00	140.43	3846.93	1061.13	5873.68	5216.31		0.00	0.00	0.037
6.00	-38.36	-1.06	0.00	-138.31	0.00	138.31	3827.70	1050.54	5756.97	5138.08		0.00	0.00	0.037
8.00	-37.69	-1.06	0.00	-136.18	0.00	136.18	3808.09	1039.94	5641.43	5059.86		0.01	-0.01	0.037
10.00	-37.02	-1.06	0.00	-134.06	0.00	134.06	3788.09	1029.35	5527.07	4981.66		0.01	-0.01	0.037
11.92	-36.39	-1.06	0.00	-132.02	0.00	132.02	3768.56	1019.19	5418.57	4906.76		0.01	-0.01	0.037
12.00	-36.35	-1.06	0.00	-131.93	0.00	131.93	3767.70	1018.75	5413.87	4903.51		0.01	-0.01	0.037
14.00	-35.20	-1.06	0.00	-129.80	0.00	129.80	3746.93	1008.16	5301.85	4825.41		0.02	-0.01	0.036
16.00	-34.06	-1.06	0.00	-127.68	0.00	127.68	3725.77	997.56	5191.00	4747.39		0.02	-0.01	0.032
18.00	-32.93	-1.06	0.00	-125.55	0.00	125.55	3704.22	986.97	5081.32	4669.46		0.03	-0.01	0.032
20.00	-31.82	-1.06	0.00	-123.43	0.00	123.43	2938.21	848.02	4376.49	3716.58		0.03	-0.02	0.035
22.00	-31.26	-1.06	0.00	-121.31	0.00	121.31	2924.62	838.93	4283.25	3659.53		0.04	-0.02	0.039
24.00	-30.71	-1.06	0.00	-119.19	0.00	119.19	2910.64	829.85	4191.02	3602.38		0.05	-0.02	0.038
26.00	-30.17	-1.06	0.00	-117.06	0.00	117.06	2896.28	820.77	4099.80	3545.13		0.05	-0.02	0.038
28.00	-29.63	-1.06	0.00	-114.94	0.00	114.94	2881.53	811.69	4009.57	3487.80		0.06	-0.02	0.038
30.00	-29.09	-1.06	0.00	-112.82	0.00	112.82	2866.39	802.61	3920.36	3430.42		0.07	-0.02	0.038
30.92	-28.85	-1.06	0.00	-111.85	0.00	111.85	2859.32	798.45	3879.80	3404.10		0.08	-0.02	0.038
30.92	-28.85	-1.06	0.00	-111.85	0.00	111.85	2859.32	798.45	3879.80	3404.10		0.08	-0.02	0.038
32.00	-28.56	-1.06	0.00	-110.70	0.00	110.70	2850.86	793.53	3832.14	3372.99		0.08	-0.03	0.037
34.00	-28.04	-1.06	0.00	-108.58	0.00	108.58	2834.95	784.44	3744.93	3315.53		0.09	-0.03	0.037
36.00	-27.52	-1.06	0.00	-106.47	0.00	106.47	2818.65	775.36	3658.72	3258.05		0.11	-0.03	0.037
38.00	-27.01	-1.06	0.00	-104.35	0.00	104.35	2801.96	766.28	3573.52	3200.58		0.12	-0.03	0.037
40.00	-26.50	-1.06	0.00	-102.23	0.00	102.23	2784.89	757.20	3489.32	3143.12		0.13	-0.03	0.036
42.00	-26.00	-1.06	0.00	-100.12	0.00	100.12	2767.43	748.12	3406.12	3085.70		0.15	-0.03	0.036
44.00	-25.50	-1.05	0.00	-98.01	0.00	98.01	2749.58	739.04	3323.93	3028.33		0.16	-0.04	0.036
46.00	-25.00	-1.05	0.00	-95.90	0.00	95.90	2731.34	729.96	3242.74	2971.03		0.18	-0.04	0.036
48.00	-24.52	-1.05	0.00	-93.80	0.00	93.80	2712.72	720.87	3162.56	2913.81		0.19	-0.04	0.036
49.00	-24.27	-1.05	0.00	-92.75	0.00	92.75	2703.26	716.33	3122.84	2885.23		0.20	-0.04	0.035
49.00	-24.27	-1.05	0.00	-92.75	0.00	92.75	2703.26	716.33	3122.84	2885.23		0.20	-0.04	0.040
50.00	-24.03	-1.05	0.00	-91.70	0.00	91.70	2693.71	711.79	3083.38	2856.68		0.21	-0.04	0.041
52.00	-23.55	-1.05	0.00	-89.60	0.00	89.60	2674.32	702.71	3005.20	2799.67		0.23	-0.05	0.041
54.00	-23.08	-1.05	0.00	-87.50	0.00	87.50	2654.53	693.63	2928.03	2742.78		0.25	-0.05	0.041
56.00	-22.61	-1.04	0.00	-85.41	0.00	85.41	2634.36	684.55	2851.86	2686.04		0.27	-0.05	0.040
58.00	-22.15	-1.04	0.00	-83.32	0.00	83.32	2613.81	675.47	2776.69	2629.46		0.29	-0.05	0.040
60.00	-21.69	-1.04	0.00	-81.24	0.00	81.24	2592.86	666.39	2702.53	2573.06		0.31	-0.06	0.040
62.00	-21.24	-1.04	0.00	-79.16	0.00	79.16	2571.53	657.30	2629.37	2516.85		0.34	-0.06	0.040
64.00	-20.80	-1.03	0.00	-77.08	0.00	77.08	2549.81	648.22	2557.22	2460.85		0.36	-0.06	0.039
64.92	-20.59	-1.03	0.00	-76.14	0.00	76.14	2539.73	644.06	2524.48	2435.25		0.37	-0.06	0.039
66.00	-20.19	-1.03	0.00	-75.02	0.00	75.02	2527.71	639.14	2486.07	2405.07		0.39	-0.06	0.033
68.00	-19.45	-1.02	0.00	-72.95	0.00	72.95	2505.22	630.06	2415.92	2349.53		0.41	-0.07	0.033
70.00	-18.72	-1.01	0.00	-70.91	0.00	70.91	2482.34	620.98	2346.78	2294.24		0.44	-0.07	0.032
70.92	-18.38	-1.01	0.00	-69.98	0.00	69.98	1926.34	521.86	1988.87	1797.99		0.46	-0.07	0.035
72.00	-18.18	-1.01	0.00	-68.88	0.00	68.88	1918.38	517.76	1957.74	1776.40		0.47	-0.07	0.039
74.00	-17.81	-1.01	0.00	-66.86	0.00	66.86	1903.38	510.19	1900.93	1736.57		0.50	-0.07	0.039
74.92	-17.65	-1.01	0.00	-65.94	0.00	65.94	1896.38	506.72	1875.17	1718.34		0.51	-0.07	0.039
74.92	-17.65	-1.01	0.00	-65.94	0.00	65.94	1896.38	506.72	1875.17	1718.34		0.51	-0.07	0.039

Calculated Forces

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

TES Tower Engineering Solutions

76.00	-17.45	-1.01	0.00	-64.84	0.00	64.84	1888.00	502.62	1844.95	1696.81	0.53	-0.07	0.038
78.00	-17.09	-1.00	0.00	-62.83	0.00	62.83	1872.23	495.06	1789.81	1657.12	0.56	-0.08	0.038
80.00	-16.73	-1.00	0.00	-60.82	0.00	60.82	1856.07	487.49	1735.51	1617.53	0.60	-0.08	0.037
82.00	-16.38	-1.00	0.00	-58.82	0.00	58.82	1839.53	479.92	1682.04	1578.04	0.63	-0.08	0.037
84.00	-16.04	-1.00	0.00	-56.82	0.00	56.82	1822.60	472.35	1629.41	1538.68	0.67	-0.09	0.036
86.00	-15.69	-0.99	0.00	-54.83	0.00	54.83	1805.28	464.78	1577.62	1499.46	0.70	-0.09	0.036
88.00	-15.35	-0.99	0.00	-52.84	0.00	52.84	1787.57	457.22	1526.66	1460.40	0.74	-0.09	0.035
89.92	-15.03	-0.99	0.00	-50.94	0.00	50.94	1770.24	449.96	1478.61	1423.12	0.78	-0.09	0.035
90.00	-15.01	-0.99	0.00	-50.86	0.00	50.86	1769.48	449.65	1476.54	1421.50	0.78	-0.09	0.035
92.00	-14.48	-0.98	0.00	-48.88	0.00	48.88	1751.00	442.08	1427.26	1382.80	0.82	-0.10	0.034
94.00	-13.95	-0.97	0.00	-46.93	0.00	46.93	1732.14	434.51	1378.81	1344.29	0.86	-0.10	0.033
94.92	-13.71	-0.97	0.00	-46.04	0.00	46.04	1262.32	349.97	1118.08	987.98	0.88	-0.10	0.037
96.00	-13.56	-0.97	0.00	-44.99	0.00	44.99	1256.50	346.69	1097.22	974.14	0.90	-0.10	0.042
98.00	-13.29	-0.97	0.00	-43.05	0.00	43.05	1245.44	340.64	1059.23	948.60	0.95	-0.11	0.041
100.00	-12.71	-0.95	0.00	-41.12	0.00	41.12	1234.00	334.58	1021.92	923.07	0.99	-0.11	0.040
102.00	-12.46	-0.95	0.00	-39.21	0.00	39.21	1222.17	328.53	985.27	897.56	1.04	-0.11	0.039
104.00	-12.21	-0.95	0.00	-37.31	0.00	37.31	1209.95	322.47	949.29	872.10	1.09	-0.12	0.038
106.00	-11.96	-0.95	0.00	-35.41	0.00	35.41	1197.35	316.42	913.98	846.70	1.14	-0.12	0.037
108.00	-11.72	-0.94	0.00	-33.52	0.00	33.52	1184.36	310.36	879.34	821.38	1.19	-0.12	0.036
109.00	-11.60	-0.94	0.00	-32.57	0.00	32.57	1177.71	307.34	862.27	808.75	1.21	-0.12	0.036
109.00	-11.60	-0.94	0.00	-32.57	0.00	32.57	1177.71	307.34	862.27	808.75	1.21	-0.12	0.047
109.92	-11.49	-0.94	0.00	-31.71	0.00	31.71	1171.54	304.56	846.77	797.19	1.24	-0.13	0.050
109.92	-11.49	-0.94	0.00	-31.71	0.00	31.71	1171.54	304.56	846.77	797.19	1.24	-0.13	0.050
110.00	-11.48	-0.94	0.00	-31.63	0.00	31.63	1170.98	304.31	845.36	796.14	1.24	-0.13	0.050
112.00	-11.24	-0.94	0.00	-29.74	0.00	29.74	1157.21	298.26	812.06	771.01	1.29	-0.13	0.048
114.00	-11.01	-0.94	0.00	-27.86	0.00	27.86	1143.06	292.20	779.43	746.01	1.35	-0.13	0.047
116.00	-10.78	-0.94	0.00	-25.98	0.00	25.98	1128.52	286.15	747.46	721.14	1.41	-0.14	0.046
118.00	-10.55	-0.93	0.00	-24.11	0.00	24.11	1113.60	280.09	716.17	696.43	1.46	-0.14	0.044
120.00	-10.33	-0.93	0.00	-22.24	0.00	22.24	1098.28	274.04	685.54	671.88	1.53	-0.15	0.043
122.00	-10.11	-0.93	0.00	-20.37	0.00	20.37	1082.58	267.98	655.59	647.53	1.59	-0.15	0.041
124.00	-9.89	-0.93	0.00	-18.51	0.00	18.51	1066.50	261.93	626.30	623.37	1.65	-0.16	0.039
126.00	-9.68	-0.92	0.00	-16.66	0.00	16.66	1050.02	255.88	597.68	599.43	1.72	-0.16	0.037
128.00	-9.47	-0.92	0.00	-14.81	0.00	14.81	1033.16	249.82	569.73	575.73	1.79	-0.17	0.035
130.00	-9.27	-0.92	0.00	-12.97	0.00	12.97	1015.91	243.77	542.45	552.28	1.86	-0.17	0.033
132.00	-5.95	-0.52	0.00	-11.13	0.00	11.13	998.40	237.71	515.84	529.15	1.93	-0.17	0.027
134.00	-5.77	-0.52	0.00	-10.09	0.00	10.09	972.97	231.66	489.90	502.41	2.00	-0.18	0.026
136.00	-5.60	-0.51	0.00	-9.06	0.00	9.06	947.54	225.60	464.63	476.37	2.08	-0.18	0.025
138.00	-5.44	-0.51	0.00	-8.03	0.00	8.03	922.11	219.55	440.03	451.02	2.15	-0.18	0.024
140.00	-5.27	-0.51	0.00	-7.00	0.00	7.00	896.68	213.50	416.09	426.36	2.23	-0.18	0.022
142.00	-5.11	-0.51	0.00	-5.98	0.00	5.98	871.26	207.44	392.83	402.40	2.31	-0.19	0.021
144.00	-4.96	-0.51	0.00	-4.97	0.00	4.97	845.83	201.39	370.23	379.13	2.39	-0.19	0.019
146.00	-4.80	-0.50	0.00	-3.96	0.00	3.96	820.40	195.33	348.31	356.55	2.47	-0.19	0.017
147.00	-3.09	-0.35	0.00	-3.45	0.00	3.45	807.68	192.31	337.59	345.53	2.51	-0.19	0.014
148.00	-3.02	-0.35	0.00	-3.11	0.00	3.11	794.97	189.28	327.05	334.67	2.55	-0.19	0.013
150.00	-2.90	-0.35	0.00	-2.41	0.00	2.41	769.54	183.22	306.46	313.48	2.63	-0.20	0.011
152.00	-2.77	-0.34	0.00	-1.72	0.00	1.72	744.11	177.17	286.54	292.98	2.71	-0.20	0.010
154.00	-2.65	-0.34	0.00	-1.03	0.00	1.03	718.69	171.12	267.29	273.18	2.80	-0.20	0.007
156.00	-2.53	-0.34	0.00	-0.34	0.00	0.34	693.26	165.06	248.71	254.07	2.88	-0.20	0.005
157.00	0.00	-0.33	0.00	0.00	0.00	0.00	680.54	162.03	239.68	244.77	2.92	-0.20	0.000

Wind Loading - Shaft

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

Tower Engineering Solutions

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

Iterations 23

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	0.70	5.327	5.86	291.06	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.70	5.327	5.86	288.23	0.950	0.000	2.00	11.708	11.12	65.2	0.0	646.4
4.00		1.00	0.70	5.327	5.86	285.40	0.950	0.000	2.00	11.594	11.01	64.5	0.0	640.0
6.00		1.00	0.70	5.327	5.86	282.57	0.950	0.000	2.00	11.479	10.91	63.9	0.0	633.6
8.00		1.00	0.70	5.327	5.86	279.74	0.950	0.000	2.00	11.365	10.80	63.3	0.0	627.3
10.00		1.00	0.70	5.327	5.86	276.91	0.950	0.000	2.00	11.251	10.69	62.6	0.0	620.9
11.92	Bot - Section 2	1.00	0.70	5.327	5.86	274.20	0.950	0.000	1.92	10.674	10.14	59.4	0.0	589.1
12.00		1.00	0.70	5.327	5.86	274.08	0.950	0.000	0.08	0.467	0.44	2.6	0.0	47.6
14.00		1.00	0.70	5.327	5.86	271.25	0.950	0.000	2.00	11.151	10.59	62.1	0.0	1136.2
16.00	RB1	1.00	0.70	5.327	5.86	268.42	0.950	0.000	2.00	11.037	10.48	61.4	0.0	1124.4
18.00		1.00	0.70	5.327	5.86	265.58	0.950	0.000	2.00	10.922	10.38	60.8	0.0	1112.6
20.00	Top - Section 1	1.00	0.70	5.327	5.86	262.75	0.950	0.000	2.00	10.808	10.27	60.2	0.0	1100.8
22.00		1.00	0.70	5.327	5.86	263.12	0.950	0.000	2.00	10.693	10.16	59.5	0.0	506.2
24.00		1.00	0.70	5.327	5.86	260.29	0.950	0.000	2.00	10.579	10.05	58.9	0.0	500.8
26.00		1.00	0.70	5.327	5.86	257.46	0.950	0.000	2.00	10.464	9.94	58.3	0.0	495.3
28.00		1.00	0.70	5.327	5.86	254.63	0.950	0.000	2.00	10.350	9.83	57.6	0.0	489.9
30.00		1.00	0.70	5.331	5.86	251.91	0.950	0.000	2.00	10.236	9.72	57.0	0.0	484.4
30.92	Top - Section 2	1.00	0.71	5.377	5.92	251.69	0.950	0.000	0.92	4.653	4.42	26.1	0.0	220.2
32.00		1.00	0.71	5.431	5.97	251.38	0.950	0.000	1.08	5.468	5.19	31.0	0.0	258.8
34.00		1.00	0.73	5.526	6.08	250.68	0.950	0.000	2.00	10.007	9.51	57.8	0.0	473.5
36.00		1.00	0.74	5.616	6.18	249.83	0.950	0.000	2.00	9.892	9.40	58.1	0.0	468.0
38.00		1.00	0.75	5.704	6.27	248.84	0.950	0.000	2.00	9.778	9.29	58.3	0.0	462.6
40.00		1.00	0.76	5.788	6.37	247.72	0.950	0.000	2.00	9.663	9.18	58.5	0.0	457.1
42.00		1.00	0.77	5.869	6.46	246.48	0.950	0.000	2.00	9.549	9.07	58.6	0.0	451.7
44.00		1.00	0.78	5.948	6.54	245.13	0.950	0.000	2.00	9.435	8.96	58.6	0.0	446.2
46.00		1.00	0.79	6.024	6.63	243.68	0.950	0.000	2.00	9.320	8.85	58.7	0.0	440.8
48.00		1.00	0.80	6.098	6.71	242.14	0.950	0.000	2.00	9.206	8.75	58.7	0.0	435.3
49.00	RT1	1.00	0.81	6.134	6.75	241.34	0.950	0.000	1.00	4.560	4.33	29.2	0.0	215.6
50.00		1.00	0.81	6.169	6.79	240.51	0.950	0.000	1.00	4.531	4.30	29.2	0.0	214.3
52.00		1.00	0.82	6.239	6.86	238.80	0.950	0.000	2.00	8.977	8.53	58.5	0.0	424.4
54.00		1.00	0.83	6.306	6.94	237.01	0.950	0.000	2.00	8.862	8.42	58.4	0.0	419.0
56.00		1.00	0.84	6.372	7.01	235.15	0.950	0.000	2.00	8.748	8.31	58.3	0.0	413.5
58.00		1.00	0.85	6.436	7.08	233.22	0.950	0.000	2.00	8.633	8.20	58.1	0.0	408.1
60.00		1.00	0.85	6.499	7.15	231.22	0.950	0.000	2.00	8.519	8.09	57.9	0.0	402.6
62.00		1.00	0.86	6.560	7.22	229.17	0.950	0.000	2.00	8.405	7.98	57.6	0.0	397.2
64.00		1.00	0.87	6.620	7.28	227.05	0.950	0.000	2.00	8.290	7.88	57.4	0.0	391.7
64.92	Bot - Section 4	1.00	0.87	6.647	7.31	226.06	0.950	0.000	0.92	3.761	3.57	26.1	0.0	177.7
66.00	RB2	1.00	0.88	6.678	7.35	224.88	0.950	0.000	1.08	4.473	4.25	31.2	0.0	384.9
68.00		1.00	0.89	6.736	7.41	222.66	0.950	0.000	2.00	8.169	7.76	57.5	0.0	702.9
70.00		1.00	0.89	6.792	7.47	220.39	0.950	0.000	2.00	8.055	7.65	57.2	0.0	692.9
70.92	Top - Section 3	1.00	0.90	6.817	7.50	219.33	0.950	0.000	0.92	3.653	3.47	26.0	0.0	314.3
72.00		1.00	0.90	6.847	7.53	221.09	0.950	0.000	1.08	4.287	4.07	30.7	0.0	169.0
74.00		1.00	0.91	6.900	7.59	218.74	0.950	0.000	2.00	7.826	7.43	56.4	0.0	308.5
74.92	Top - Section 4	1.00	0.91	6.925	7.62	217.64	0.950	0.000	0.92	3.549	3.37	25.7	0.0	139.9
76.00		1.00	0.91	6.953	7.65	216.34	0.950	0.000	1.08	4.163	3.95	30.2	0.0	164.1
78.00		1.00	0.92	7.005	7.71	213.89	0.950	0.000	2.00	7.597	7.22	55.6	0.0	299.4
80.00		1.00	0.93	7.056	7.76	211.41	0.950	0.000	2.00	7.483	7.11	55.2	0.0	294.8

Wind Loading - Shaft

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1
Topography: 1

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

7/7/2023

Tower Engineering Solutions

82.00	1.00	0.93	7.106	7.82	208.89	0.950	0.000	2.00	7.368	7.00	54.7	0.0	290.3
84.00	1.00	0.94	7.155	7.87	206.33	0.950	0.000	2.00	7.254	6.89	54.2	0.0	285.7
86.00	1.00	0.95	7.203	7.92	203.73	0.950	0.000	2.00	7.139	6.78	53.7	0.0	281.2
88.00	1.00	0.95	7.251	7.98	201.10	0.950	0.000	2.00	7.025	6.67	53.2	0.0	276.7
89.92 Bot - Section 6	1.00	0.96	7.295	8.02	198.54	0.950	0.000	1.92	6.625	6.29	50.5	0.0	260.9
90.00	1.00	0.96	7.297	8.03	198.43	0.950	0.000	0.08	0.289	0.27	2.2	0.0	20.4
92.00	1.00	0.96	7.343	8.08	195.73	0.950	0.000	2.00	6.882	6.54	52.8	0.0	484.7
94.00	1.00	0.97	7.389	8.13	193.00	0.950	0.000	2.00	6.768	6.43	52.3	0.0	476.6
94.92 Top - Section 5	1.00	0.97	7.409	8.15	191.74	0.950	0.000	0.92	3.064	2.91	23.7	0.0	215.7
96.00	1.00	0.98	7.433	8.18	192.76	0.950	0.000	1.08	3.590	3.41	27.9	0.0	113.2
98.00	1.00	0.98	7.477	8.22	189.97	0.950	0.000	2.00	6.539	6.21	51.1	0.0	206.2
100.00 Appurtenance(s)	1.00	0.99	7.520	8.27	187.16	0.950	0.000	2.00	6.424	6.10	50.5	0.0	202.6
102.00	1.00	0.99	7.563	8.32	184.32	0.950	0.000	2.00	6.310	5.99	49.9	0.0	199.0
104.00	1.00	1.00	7.605	8.37	181.44	0.950	0.000	2.00	6.196	5.89	49.2	0.0	195.3
106.00	1.00	1.00	7.647	8.41	178.55	0.950	0.000	2.00	6.081	5.78	48.6	0.0	191.7
108.00	1.00	1.01	7.688	8.46	175.62	0.950	0.000	2.00	5.967	5.67	47.9	0.0	188.1
109.00 RT2	1.00	1.01	7.708	8.48	174.15	0.950	0.000	1.00	2.940	2.79	23.7	0.0	92.7
109.92 Top - Section 6	1.00	1.02	7.726	8.50	172.80	0.950	0.000	0.92	2.670	2.54	21.6	0.0	84.2
110.00	1.00	1.02	7.728	8.50	172.68	0.950	0.000	0.08	0.242	0.23	2.0	0.0	7.6
112.00	1.00	1.02	7.768	8.54	169.70	0.950	0.000	2.00	5.738	5.45	46.6	0.0	180.8
114.00	1.00	1.03	7.807	8.59	166.70	0.950	0.000	2.00	5.623	5.34	45.9	0.0	177.2
116.00	1.00	1.03	7.846	8.63	163.68	0.950	0.000	2.00	5.509	5.23	45.2	0.0	173.5
118.00	1.00	1.04	7.884	8.67	160.64	0.950	0.000	2.00	5.395	5.12	44.4	0.0	169.9
120.00	1.00	1.04	7.922	8.71	157.57	0.950	0.000	2.00	5.280	5.02	43.7	0.0	166.3
122.00	1.00	1.05	7.960	8.76	154.48	0.950	0.000	2.00	5.166	4.91	43.0	0.0	162.6
124.00	1.00	1.05	7.997	8.80	151.37	0.950	0.000	2.00	5.051	4.80	42.2	0.0	159.0
126.00	1.00	1.06	8.034	8.84	148.24	0.950	0.000	2.00	4.937	4.69	41.4	0.0	155.4
128.00	1.00	1.06	8.070	8.88	145.09	0.950	0.000	2.00	4.822	4.58	40.7	0.0	151.7
130.00	1.00	1.07	8.106	8.92	141.92	0.950	0.000	2.00	4.708	4.47	39.9	0.0	148.1
132.00 Appurtenance(s)	1.00	1.07	8.141	8.96	138.73	0.950	0.000	2.00	4.593	4.36	39.1	0.0	144.5
134.00	1.00	1.07	8.176	8.99	135.52	0.950	0.000	2.00	4.479	4.26	38.3	0.0	140.8
136.00	1.00	1.08	8.211	9.03	132.30	0.950	0.000	2.00	4.365	4.15	37.5	0.0	137.2
138.00	1.00	1.08	8.245	9.07	129.05	0.950	0.000	2.00	4.250	4.04	36.6	0.0	133.6
140.00	1.00	1.09	8.279	9.11	125.79	0.950	0.000	2.00	4.136	3.93	35.8	0.0	129.9
142.00	1.00	1.09	8.313	9.14	122.51	0.950	0.000	2.00	4.021	3.82	34.9	0.0	126.3
144.00	1.00	1.10	8.346	9.18	119.21	0.950	0.000	2.00	3.907	3.71	34.1	0.0	122.7
146.00	1.00	1.10	8.379	9.22	115.89	0.950	0.000	2.00	3.792	3.60	33.2	0.0	119.0
147.00 Appurtenance(s)	1.00	1.10	8.395	9.23	114.23	0.950	0.000	1.00	1.853	1.76	16.3	0.0	58.2
148.00	1.00	1.11	8.412	9.25	112.56	0.950	0.000	1.00	1.825	1.73	16.0	0.0	57.3
150.00	1.00	1.11	8.444	9.29	109.21	0.950	0.000	2.00	3.564	3.39	31.4	0.0	111.8
152.00	1.00	1.11	8.476	9.32	105.85	0.950	0.000	2.00	3.449	3.28	30.6	0.0	108.1
154.00	1.00	1.12	8.508	9.36	102.47	0.950	0.000	2.00	3.335	3.17	29.6	0.0	104.5
156.00	1.00	1.12	8.539	9.39	99.07	0.950	0.000	2.00	3.220	3.06	28.7	0.0	100.9
157.00 Appurtenance(s)	1.00	1.12	8.555	9.41	97.37	0.950	0.000	1.00	1.567	1.49	14.0	0.0	49.1
							Totals:	**157.00**			**4,016.7**		**29,165.9**

Discrete Appurtenance Forces

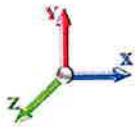
Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 56	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 23

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	157.00	Powerwave LGP21901	6	8.555	9.410	0.93	1.00	9.32	186.00	0.000	0.000	87.69	0.00	0.00
2	157.00	Andrew - SBNH-1D6565C	3	8.578	9.436	0.80	1.00	27.53	198.30	0.000	1.500	259.75	0.00	389.62
3	157.00	Cci HPA65R-BU8A	3	8.555	9.410	0.89	1.00	29.96	207.00	0.000	0.000	281.91	0.00	0.00
4	157.00	Kathrein 800-10121	3	8.555	9.410	0.79	1.00	12.21	132.30	0.000	0.000	114.86	0.00	0.00
5	157.00	Sabre C10-857-804	3	8.555	9.410	0.56	0.75	31.27	1386.00	0.000	0.000	294.25	0.00	0.00
6	157.00	CCI DTMABP7819VG12A	6	8.555	9.410	0.67	1.00	4.58	115.20	0.000	0.000	43.13	0.00	0.00
7	157.00	Lightning Rod	1	8.609	9.470	1.00	1.00	1.05	35.00	0.000	3.500	9.94	0.00	34.80
8	157.00	Kathrein 860 10025 RET	6	8.555	9.410	0.50	1.00	0.54	7.20	0.000	0.000	5.08	0.00	0.00
9	157.00	Ericsson RRUS-11 RRU	3	8.555	9.410	0.50	1.00	3.78	153.00	0.000	0.000	35.57	0.00	0.00
10	157.00	Ericsson RRUS 4415 B25	3	8.555	9.410	0.50	1.00	2.46	138.00	0.000	0.000	23.15	0.00	0.00
11	157.00	Raycap DC6-48-60-18-8F	2	8.555	9.410	1.00	1.00	1.84	63.60	0.000	0.000	17.31	0.00	0.00
12	157.00	Nokia CS72188.01 LMU	1	8.563	9.419	1.00	1.00	0.13	5.00	0.000	0.500	1.22	0.00	0.61
13	147.00	Sector Frame	3	8.395	9.235	0.56	0.75	29.53	1500.00	0.000	0.000	272.72	0.00	0.00
14	147.00	Allgan ALP9212	9	8.395	9.235	0.54	0.80	21.80	240.30	0.000	0.000	201.36	0.00	0.00
15	132.00	DB844G65ZAXY	6	8.141	8.955	0.68	0.75	17.54	72.00	0.000	0.000	157.04	0.00	0.00
16	132.00	MT6407-77A	3	8.141	8.955	0.52	0.75	7.39	238.20	0.000	0.000	66.15	0.00	0.00
17	132.00	14' LP Platform	1	8.141	8.955	1.00	1.00	25.00	1500.00	0.000	0.000	223.88	0.00	0.00
18	132.00	BSF0020F3V1-1	6	8.141	8.955	0.50	0.75	3.59	39.60	0.000	0.000	32.13	0.00	0.00
19	132.00	GPS	1	8.141	8.955	0.75	0.75	0.75	10.00	0.000	0.000	6.72	0.00	0.00
20	132.00	SBNHH-1D65B	6	8.141	8.955	0.62	0.75	30.18	304.20	0.000	0.000	270.26	0.00	0.00
21	132.00	Collar Mount (3-Sided)	1	8.141	8.955	1.00	1.00	2.50	220.00	0.000	0.000	22.39	0.00	0.00
22	132.00	Samsung	3	8.141	8.955	0.38	0.75	2.10	224.10	0.000	0.000	18.84	0.00	0.00
23	132.00	RFS DB-C1-12C-24AB-0Z	1	8.141	8.955	0.75	0.75	3.04	32.00	0.000	0.000	27.27	0.00	0.00
24	132.00	Samsung	3	8.141	8.955	0.38	0.75	2.10	210.99	0.000	0.000	18.84	0.00	0.00
25	132.00	HRK12 (Handrail Kit)	1	8.141	8.955	1.00	1.00	6.75	261.72	0.000	0.000	60.45	0.00	0.00
26	132.00	(3) SFS-H (V-Braces)	1	8.141	8.955	1.00	1.00	6.30	197.00	0.000	0.000	56.42	0.00	0.00
27	100.00	15'x2.875"mount pipe	3	7.520	8.272	1.00	1.00	12.93	261.00	0.000	0.000	106.96	0.00	0.00
28	100.00	742 213	3	7.520	8.272	0.72	1.00	11.06	66.00	0.000	0.000	91.49	0.00	0.00
							Totals:		**8,003.71**			**2,806.77**		

Total Applied Force Summary

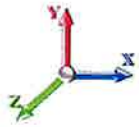
Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 57	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 23

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		65.18	729.31	0.00	0.00
4.00		64.54	722.95	0.00	0.00
6.00		63.90	716.59	0.00	0.00
8.00		63.26	710.23	0.00	0.00
10.00		62.63	703.87	0.00	0.00
11.92		59.42	668.58	0.00	0.00
12.00		2.60	51.05	0.00	0.00
14.00		62.07	1219.16	0.00	0.00
16.00		61.44	1207.35	0.00	0.00
18.00		60.80	1195.54	0.00	0.00
20.00		60.16	1183.73	0.00	0.00
22.00		59.53	589.15	0.00	0.00
24.00		58.89	583.70	0.00	0.00
26.00		58.25	578.25	0.00	0.00
28.00		57.61	572.80	0.00	0.00
30.00		57.03	567.35	0.00	0.00
30.92		26.15	258.21	0.00	0.00
32.00		31.03	303.68	0.00	0.00
34.00		57.78	556.45	0.00	0.00
36.00		58.06	551.00	0.00	0.00
38.00		58.28	545.55	0.00	0.00
40.00		58.45	540.10	0.00	0.00
42.00		58.57	534.65	0.00	0.00
44.00		58.64	529.20	0.00	0.00
46.00		58.67	523.74	0.00	0.00
48.00		58.66	518.29	0.00	0.00
49.00		29.23	257.10	0.00	0.00
50.00		29.21	255.74	0.00	0.00
52.00		58.52	507.39	0.00	0.00
54.00		58.40	501.94	0.00	0.00
56.00		58.25	496.49	0.00	0.00
58.00		58.07	491.04	0.00	0.00
60.00		57.86	485.59	0.00	0.00
62.00		57.62	480.14	0.00	0.00
64.00		57.35	474.69	0.00	0.00
64.92		26.13	215.75	0.00	0.00
66.00		31.22	429.85	0.00	0.00
68.00		57.50	785.87	0.00	0.00
70.00		57.17	775.88	0.00	0.00
70.92		26.03	352.27	0.00	0.00
72.00		30.67	213.91	0.00	0.00
74.00		56.43	391.40	0.00	0.00
74.92		25.68	177.87	0.00	0.00
76.00		30.25	208.99	0.00	0.00
78.00		55.61	382.32	0.00	0.00
80.00		55.17	377.78	0.00	0.00

Total Applied Force Summary

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

Tower Engineering Solutions

82.00		54.71	373.23	0.00	0.00
84.00		54.23	368.69	0.00	0.00
86.00		53.74	364.15	0.00	0.00
88.00		53.23	359.61	0.00	0.00
89.92		50.50	340.36	0.00	0.00
90.00		2.21	23.83	0.00	0.00
92.00		52.81	567.67	0.00	0.00
94.00		52.25	559.50	0.00	0.00
94.92		23.72	253.70	0.00	0.00
96.00		27.88	158.16	0.00	0.00
98.00		51.09	289.19	0.00	0.00
100.00	(6) attachments	248.93	612.56	0.00	0.00
102.00		49.87	269.44	0.00	0.00
104.00		49.24	265.81	0.00	0.00
106.00		48.59	262.18	0.00	0.00
108.00		47.93	258.54	0.00	0.00
109.00		23.68	127.91	0.00	0.00
109.92		21.56	116.45	0.00	0.00
110.00		1.95	10.55	0.00	0.00
112.00		46.58	251.28	0.00	0.00
114.00		45.88	247.64	0.00	0.00
116.00		45.17	244.01	0.00	0.00
118.00		44.45	240.38	0.00	0.00
120.00		43.71	236.74	0.00	0.00
122.00		42.97	233.11	0.00	0.00
124.00		42.21	229.48	0.00	0.00
126.00		41.45	225.84	0.00	0.00
128.00		40.67	222.21	0.00	0.00
130.00		39.88	218.58	0.00	0.00
132.00	(33) attachments	999.46	3524.75	0.00	0.00
134.00		38.27	184.03	0.00	0.00
136.00		37.45	180.40	0.00	0.00
138.00		36.62	176.76	0.00	0.00
140.00		35.78	173.13	0.00	0.00
142.00		34.93	169.50	0.00	0.00
144.00		34.07	165.86	0.00	0.00
146.00		33.21	162.23	0.00	0.00
147.00	(12) attachments	490.34	1820.05	0.00	0.00
148.00		16.04	69.48	0.00	0.00
150.00		31.44	136.24	0.00	0.00
152.00		30.55	132.61	0.00	0.00
154.00		29.65	128.98	0.00	0.00
156.00		28.74	125.34	0.00	0.00
157.00	(40) attachments	1187.87	2687.91	0.00	425.04
	Totals:	**6,823.49**	**42,890.61**	**0.00**	**425.04**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 59	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 23

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	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.014	0.000	5.327	0.00	0.55
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.014	0.000	5.327	0.00	2.08
4.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	5.327	0.00	0.55
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	5.327	0.00	2.08
6.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	5.327	0.00	0.55
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	5.327	0.00	2.08
8.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	5.327	0.00	0.55
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	5.327	0.00	2.08
10.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	5.327	0.00	0.55
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	5.327	0.00	2.08
11.92	Safety Cable	Yes	1.92	0.000	0.38	0.06	0.00	0.015	0.000	5.327	0.00	0.52
11.92	Step bolts (ladder)	Yes	1.92	0.000	0.63	0.10	0.00	0.015	0.000	5.327	0.00	1.99
12.00	Safety Cable	Yes	0.08	0.000	0.38	0.00	0.00	0.015	0.000	5.327	0.00	0.02
12.00	Step bolts (ladder)	Yes	0.08	0.000	0.63	0.00	0.00	0.015	0.000	5.327	0.00	0.09
14.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	5.327	0.00	0.55
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	5.327	0.00	2.08
16.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	5.327	0.00	0.55
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	5.327	0.00	2.08
16.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.031	0.000	5.327	0.00	0.00
18.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.046	0.000	5.327	0.00	0.55
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.046	0.000	5.327	0.00	2.08
18.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.046	0.000	5.327	0.00	0.00
20.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.047	0.000	5.327	0.00	0.55
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.047	0.000	5.327	0.00	2.08
20.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	5.327	0.00	0.00
22.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.047	0.000	5.327	0.00	0.55
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.047	0.000	5.327	0.00	2.08
22.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	5.327	0.00	0.00
24.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.047	0.000	5.327	0.00	0.55
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.047	0.000	5.327	0.00	2.08
24.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.047	0.000	5.327	0.00	0.00
26.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.048	0.000	5.327	0.00	0.55
26.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.048	0.000	5.327	0.00	2.08
26.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.048	0.000	5.327	0.00	0.00
28.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.048	0.000	5.327	0.00	0.55
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.048	0.000	5.327	0.00	2.08
28.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.048	0.000	5.327	0.00	0.00
30.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.049	0.000	5.331	0.00	0.55
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.049	0.000	5.331	0.00	2.08
30.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.049	0.000	5.331	0.00	0.00
30.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.049	0.000	5.377	0.00	0.25
30.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.049	0.000	5.377	0.00	0.95
30.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.049	0.000	5.377	0.00	0.00
32.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.050	0.000	5.431	0.00	0.30
32.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.050	0.000	5.431	0.00	1.13
32.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.050	0.000	5.431	0.00	0.00
34.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.050	0.000	5.526	0.00	0.55

Linear Appurtenance Segment Forces (Factored)

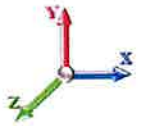
Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

Tower Engineering Solutions

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



Iterations 23

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)
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.050	0.000	5.526	0.00	2.08
34.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.050	0.000	5.526	0.00	0.00
36.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.051	0.000	5.616	0.00	0.55
36.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.051	0.000	5.616	0.00	2.08
36.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.051	0.000	5.616	0.00	0.00
38.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.051	0.000	5.704	0.00	0.55
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.051	0.000	5.704	0.00	2.08
38.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.051	0.000	5.704	0.00	0.00
40.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.052	0.000	5.788	0.00	0.55
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.052	0.000	5.788	0.00	2.08
40.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.052	0.000	5.788	0.00	0.00
42.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.053	0.000	5.869	0.00	0.55
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.053	0.000	5.869	0.00	2.08
42.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.053	0.000	5.869	0.00	0.00
44.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.053	0.000	5.948	0.00	0.55
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.053	0.000	5.948	0.00	2.08
44.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.053	0.000	5.948	0.00	0.00
46.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.054	0.000	6.024	0.00	0.55
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.054	0.000	6.024	0.00	2.08
46.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.054	0.000	6.024	0.00	0.00
48.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.054	0.000	6.098	0.00	0.55
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.054	0.000	6.098	0.00	2.08
48.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.054	0.000	6.098	0.00	0.00
49.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.055	0.000	6.134	0.00	0.27
49.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.055	0.000	6.134	0.00	1.04
49.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.055	0.000	6.134	0.00	0.00
50.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.055	0.000	6.169	0.00	0.27
50.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.055	0.000	6.169	0.00	1.04
50.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.055	0.000	6.169	0.00	0.00
52.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	6.239	0.00	0.55
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6.239	0.00	2.08
54.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	6.306	0.00	0.55
54.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6.306	0.00	2.08
56.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	6.372	0.00	0.55
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6.372	0.00	2.08
58.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	6.436	0.00	0.55
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6.436	0.00	2.08
60.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	6.499	0.00	0.55
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	6.499	0.00	2.08
62.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	6.560	0.00	0.55
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	6.560	0.00	2.08
64.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	6.620	0.00	0.55
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	6.620	0.00	2.08
64.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.021	0.000	6.647	0.00	0.25
64.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.021	0.000	6.647	0.00	0.95
66.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.058	0.000	6.678	0.00	0.30
66.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.058	0.000	6.678	0.00	1.13

Linear Appurtenance Segment Forces (Factored)

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (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	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 23

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)
66.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.058	0.000	6.678	0.00	0.00
68.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.062	0.000	6.736	0.00	0.55
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.062	0.000	6.736	0.00	2.08
68.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.062	0.000	6.736	0.00	0.00
70.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.063	0.000	6.792	0.00	0.55
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.063	0.000	6.792	0.00	2.08
70.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.063	0.000	6.792	0.00	0.00
70.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.064	0.000	6.817	0.00	0.25
70.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.064	0.000	6.817	0.00	0.95
70.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.064	0.000	6.817	0.00	0.00
72.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.063	0.000	6.847	0.00	0.30
72.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.063	0.000	6.847	0.00	1.13
72.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.063	0.000	6.847	0.00	0.00
74.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.064	0.000	6.900	0.00	0.55
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.064	0.000	6.900	0.00	2.08
74.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.064	0.000	6.900	0.00	0.00
74.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.065	0.000	6.925	0.00	0.25
74.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.065	0.000	6.925	0.00	0.95
74.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.065	0.000	6.925	0.00	0.00
76.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.065	0.000	6.953	0.00	0.30
76.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.065	0.000	6.953	0.00	1.13
76.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.065	0.000	6.953	0.00	0.00
78.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.066	0.000	7.005	0.00	0.55
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.066	0.000	7.005	0.00	2.08
78.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.066	0.000	7.005	0.00	0.00
80.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.067	0.000	7.056	0.00	0.55
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.067	0.000	7.056	0.00	2.08
80.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.067	0.000	7.056	0.00	0.00
82.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.068	0.000	7.106	0.00	0.55
82.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.068	0.000	7.106	0.00	2.08
82.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.068	0.000	7.106	0.00	0.00
84.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.069	0.000	7.155	0.00	0.55
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.069	0.000	7.155	0.00	2.08
84.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.069	0.000	7.155	0.00	0.00
86.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.070	0.000	7.203	0.00	0.55
86.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.070	0.000	7.203	0.00	2.08
86.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.070	0.000	7.203	0.00	0.00
88.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.071	0.000	7.251	0.00	0.55
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.071	0.000	7.251	0.00	2.08
88.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.071	0.000	7.251	0.00	0.00
89.92	Safety Cable	Yes	1.92	0.000	0.38	0.06	0.00	0.073	0.000	7.295	0.00	0.52
89.92	Step bolts (ladder)	Yes	1.92	0.000	0.63	0.10	0.00	0.073	0.000	7.295	0.00	1.99
89.92	1" Reinforcing plate	Yes	1.92	0.000	2.00	0.32	0.00	0.073	0.000	7.295	0.00	0.00
90.00	Safety Cable	Yes	0.08	0.000	0.38	0.00	0.00	0.073	0.000	7.297	0.00	0.02
90.00	Step bolts (ladder)	Yes	0.08	0.000	0.63	0.00	0.00	0.073	0.000	7.297	0.00	0.09
90.00	1" Reinforcing plate	Yes	0.08	0.000	2.00	0.01	0.00	0.073	0.000	7.297	0.00	0.00
92.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.074	0.000	7.343	0.00	0.55

Linear Appurtenance Segment Forces (Factored)

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

Tower Engineering Solutions

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

Iterations 23

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)
92.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.074	0.000	7.343	0.00	2.08
92.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.074	0.000	7.343	0.00	0.00
94.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.075	0.000	7.389	0.00	0.55
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.075	0.000	7.389	0.00	2.08
94.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.075	0.000	7.389	0.00	0.00
94.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.076	0.000	7.409	0.00	0.25
94.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.076	0.000	7.409	0.00	0.95
94.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.076	0.000	7.409	0.00	0.00
96.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.076	0.000	7.433	0.00	0.30
96.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.076	0.000	7.433	0.00	1.13
96.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.076	0.000	7.433	0.00	0.00
98.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.077	0.000	7.477	0.00	0.55
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.077	0.000	7.477	0.00	2.08
98.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.077	0.000	7.477	0.00	0.00
100.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.078	0.000	7.520	0.00	0.55
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.078	0.000	7.520	0.00	2.08
100.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.078	0.000	7.520	0.00	0.00
102.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.080	0.000	7.563	0.00	0.55
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.080	0.000	7.563	0.00	2.08
102.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.080	0.000	7.563	0.00	0.00
104.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.081	0.000	7.605	0.00	0.55
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.081	0.000	7.605	0.00	2.08
104.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.081	0.000	7.605	0.00	0.00
106.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.082	0.000	7.647	0.00	0.55
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.082	0.000	7.647	0.00	2.08
106.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.082	0.000	7.647	0.00	0.00
108.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.084	0.000	7.688	0.00	0.55
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.084	0.000	7.688	0.00	2.08
108.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.084	0.000	7.688	0.00	0.00
109.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.085	0.000	7.708	0.00	0.27
109.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.085	0.000	7.708	0.00	1.04
109.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.085	0.000	7.708	0.00	0.00
109.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.086	0.000	7.726	0.00	0.25
109.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.086	0.000	7.726	0.00	0.95
109.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.086	0.000	7.726	0.00	0.00
110.00	Safety Cable	Yes	0.08	0.000	0.38	0.00	0.00	0.087	0.000	7.728	0.00	0.02
110.00	Step bolts (ladder)	Yes	0.08	0.000	0.63	0.00	0.00	0.087	0.000	7.728	0.00	0.09
110.00	1" Reinforcing plate	Yes	0.08	0.000	2.00	0.01	0.00	0.087	0.000	7.728	0.00	0.00
112.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.029	0.000	7.768	0.00	0.55
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.029	0.000	7.768	0.00	2.08
114.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.030	0.000	7.807	0.00	0.55
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.030	0.000	7.807	0.00	2.08
116.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	7.846	0.00	0.55
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	7.846	0.00	2.08
118.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	7.884	0.00	0.55
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	7.884	0.00	2.08
120.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.032	0.000	7.922	0.00	0.55

Linear Appurtenance Segment Forces (Factored)

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (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 23

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)
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.032	0.000	7.922	0.00	2.08
122.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	7.960	0.00	0.55
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.033	0.000	7.960	0.00	2.08
124.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	7.997	0.00	0.55
124.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.033	0.000	7.997	0.00	2.08
126.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.034	0.000	8.034	0.00	0.55
126.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.034	0.000	8.034	0.00	2.08
128.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.035	0.000	8.070	0.00	0.55
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.035	0.000	8.070	0.00	2.08
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.036	0.000	8.106	0.00	0.55
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.036	0.000	8.106	0.00	2.08
132.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.037	0.000	8.141	0.00	0.55
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.037	0.000	8.141	0.00	2.08
134.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.038	0.000	8.176	0.00	0.55
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.038	0.000	8.176	0.00	2.08
136.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.039	0.000	8.211	0.00	0.55
136.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.039	0.000	8.211	0.00	2.08
138.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.040	0.000	8.245	0.00	0.55
138.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.040	0.000	8.245	0.00	2.08
140.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.041	0.000	8.279	0.00	0.55
140.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.041	0.000	8.279	0.00	2.08
142.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.042	0.000	8.313	0.00	0.55
142.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.042	0.000	8.313	0.00	2.08
144.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.043	0.000	8.346	0.00	0.55
144.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.043	0.000	8.346	0.00	2.08
146.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.044	0.000	8.379	0.00	0.55
146.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.044	0.000	8.379	0.00	2.08
147.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.045	0.000	8.395	0.00	0.27
147.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.045	0.000	8.395	0.00	1.04
148.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.046	0.000	8.412	0.00	0.27
148.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.046	0.000	8.412	0.00	1.04
150.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.047	0.000	8.444	0.00	0.55
150.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.047	0.000	8.444	0.00	2.08
152.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.049	0.000	8.476	0.00	0.55
152.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.049	0.000	8.476	0.00	2.08
154.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.050	0.000	8.508	0.00	0.55
154.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.050	0.000	8.508	0.00	2.08
156.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.052	0.000	8.539	0.00	0.55
156.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.052	0.000	8.539	0.00	2.08
157.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.054	0.000	8.555	0.00	0.27
157.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.054	0.000	8.555	0.00	1.04
										Totals:	**0.0**	**206.1**

Calculated Forces

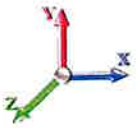
Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

Tower Engineering Solutions

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



Iterations 23

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-42.89	-6.82	0.00	-699.81	0.00	699.81	3884.21	1082.32	6110.61	5372.74	0.00	0.000	0.000	0.141
2.00	-42.16	-6.76	0.00	-686.16	0.00	686.16	3865.76	1071.73	5991.56	5294.53	0.00	-0.007	0.000	0.141
4.00	-41.44	-6.71	0.00	-672.63	0.00	672.63	3846.93	1061.13	5873.68	5216.31	0.01	-0.014	0.000	0.140
6.00	-40.72	-6.65	0.00	-659.22	0.00	659.22	3827.70	1050.54	5756.97	5138.08	0.01	-0.021	0.000	0.139
8.00	-40.01	-6.59	0.00	-645.93	0.00	645.93	3808.09	1039.94	5641.43	5059.86	0.02	-0.029	0.000	0.138
10.00	-39.30	-6.53	0.00	-632.75	0.00	632.75	3788.09	1029.35	5527.07	4981.66	0.04	-0.036	0.000	0.137
11.92	-38.63	-6.47	0.00	-620.23	0.00	620.23	3768.56	1019.19	5418.57	4906.76	0.05	-0.043	0.000	0.137
12.00	-38.58	-6.47	0.00	-619.69	0.00	619.69	3767.70	1018.75	5413.87	4903.51	0.05	-0.043	0.000	0.137
14.00	-37.36	-6.41	0.00	-606.75	0.00	606.75	3746.93	1008.16	5301.85	4825.41	0.07	-0.051	0.000	0.136
16.00	-36.15	-6.36	0.00	-593.92	0.00	593.92	3725.77	997.56	5191.00	4747.39	0.10	-0.058	0.000	0.121
18.00	-34.96	-6.30	0.00	-581.21	0.00	581.21	3704.22	986.97	5081.32	4669.46	0.12	-0.065	0.000	0.120
20.00	-33.77	-6.24	0.00	-568.61	0.00	568.61	2938.21	848.02	4376.49	3716.58	0.15	-0.072	0.000	0.131
22.00	-33.18	-6.18	0.00	-556.13	0.00	556.13	2924.62	838.93	4283.25	3659.53	0.18	-0.079	0.000	0.144
24.00	-32.60	-6.13	0.00	-543.76	0.00	543.76	2910.64	829.85	4191.02	3602.38	0.22	-0.087	0.000	0.142
26.00	-32.02	-6.07	0.00	-531.50	0.00	531.50	2896.28	820.77	4099.80	3545.13	0.26	-0.095	0.000	0.141
28.00	-31.45	-6.02	0.00	-519.35	0.00	519.35	2881.53	811.69	4009.57	3487.80	0.30	-0.103	0.000	0.140
30.00	-30.88	-5.97	0.00	-507.31	0.00	507.31	2866.39	802.61	3920.36	3430.42	0.34	-0.110	0.000	0.139
30.92	-30.62	-5.94	0.00	-501.84	0.00	501.84	2859.32	798.45	3879.80	3404.10	0.37	-0.114	0.000	0.138
30.92	-30.62	-5.94	0.00	-501.84	0.00	501.84	2859.32	798.45	3879.80	3404.10	0.37	-0.114	0.000	0.138
32.00	-30.32	-5.91	0.00	-495.41	0.00	495.41	2850.86	793.53	3832.14	3372.99	0.39	-0.119	0.000	0.137
34.00	-29.76	-5.86	0.00	-483.58	0.00	483.58	2834.95	784.44	3744.93	3315.53	0.44	-0.127	0.000	0.136
36.00	-29.21	-5.80	0.00	-471.87	0.00	471.87	2818.65	775.36	3658.72	3258.05	0.50	-0.135	0.000	0.135
38.00	-28.66	-5.75	0.00	-460.26	0.00	460.26	2801.96	766.28	3573.52	3200.58	0.56	-0.143	0.000	0.134
40.00	-28.12	-5.69	0.00	-448.77	0.00	448.77	2784.89	757.20	3489.32	3143.12	0.62	-0.151	0.000	0.132
42.00	-27.59	-5.64	0.00	-437.38	0.00	437.38	2767.43	748.12	3406.12	3085.70	0.68	-0.160	0.000	0.131
44.00	-27.06	-5.58	0.00	-426.11	0.00	426.11	2749.58	739.04	3323.93	3028.33	0.75	-0.168	0.000	0.130
46.00	-26.53	-5.52	0.00	-414.96	0.00	414.96	2731.34	729.96	3242.74	2971.03	0.82	-0.177	0.000	0.129
48.00	-26.01	-5.47	0.00	-403.91	0.00	403.91	2712.72	720.87	3162.56	2913.81	0.90	-0.185	0.000	0.127
49.00	-25.75	-5.44	0.00	-398.44	0.00	398.44	2703.26	716.33	3122.84	2885.23	0.94	-0.190	0.000	0.127
49.00	-25.75	-5.44	0.00	-398.44	0.00	398.44	2703.26	716.33	3122.84	2885.23	0.94	-0.190	0.000	0.146
50.00	-25.50	-5.41	0.00	-393.01	0.00	393.01	2693.71	711.79	3083.38	2856.68	0.98	-0.194	0.000	0.147
52.00	-24.99	-5.36	0.00	-382.18	0.00	382.18	2674.32	702.71	3005.20	2799.67	1.06	-0.204	0.000	0.146
54.00	-24.49	-5.30	0.00	-371.47	0.00	371.47	2654.53	693.63	2928.03	2742.78	1.15	-0.214	0.000	0.145
56.00	-23.99	-5.24	0.00	-360.88	0.00	360.88	2634.36	684.55	2851.86	2686.04	1.24	-0.225	0.000	0.144
58.00	-23.50	-5.19	0.00	-350.39	0.00	350.39	2613.81	675.47	2776.69	2629.46	1.34	-0.235	0.000	0.142
60.00	-23.01	-5.13	0.00	-340.01	0.00	340.01	2592.86	666.39	2702.53	2573.06	1.44	-0.246	0.000	0.141
62.00	-22.53	-5.08	0.00	-329.75	0.00	329.75	2571.53	657.30	2629.37	2516.85	1.55	-0.257	0.000	0.140
64.00	-22.06	-5.02	0.00	-319.60	0.00	319.60	2549.81	648.22	2557.22	2460.85	1.66	-0.268	0.000	0.139
64.92	-21.84	-5.00	0.00	-314.99	0.00	314.99	2539.73	644.06	2524.48	2435.25	1.71	-0.273	0.000	0.138
66.00	-21.41	-4.96	0.00	-309.58	0.00	309.58	2527.71	639.14	2486.07	2405.07	1.77	-0.279	0.000	0.115
68.00	-20.62	-4.91	0.00	-299.65	0.00	299.65	2505.22	630.06	2415.92	2349.53	1.89	-0.288	0.000	0.114
70.00	-19.85	-4.85	0.00	-289.84	0.00	289.84	2482.34	620.98	2346.78	2294.24	2.01	-0.297	0.000	0.112
70.92	-19.49	-4.82	0.00	-285.40	0.00	285.40	1926.34	521.86	1988.87	1797.99	2.07	-0.302	0.000	0.122
72.00	-19.28	-4.79	0.00	-280.17	0.00	280.17	1918.38	517.76	1957.74	1776.40	2.14	-0.307	0.000	0.136
74.00	-18.89	-4.74	0.00	-270.59	0.00	270.59	1903.38	510.19	1900.93	1736.57	2.27	-0.317	0.000	0.134
74.92	-18.71	-4.71	0.00	-266.25	0.00	266.25	1896.38	506.72	1875.17	1718.34	2.33	-0.322	0.000	0.133
74.92	-18.71	-4.71	0.00	-266.25	0.00	266.25	1896.38	506.72	1875.17	1718.34	2.33	-0.322	0.000	0.133
76.00	-18.50	-4.68	0.00	-261.14	0.00	261.14	1888.00	502.62	1844.95	1696.81	2.40	-0.328	0.000	0.132

Calculated Forces

Structure: CT00252-S-SBA
Site Name: Prospect
Height: 157.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/7/2023

TES Tower Engineering Solutions

78.00	-18.12	-4.63	0.00	-251.78	0.00	251.78	1872.23	495.06	1789.81	1657.12	2.54	-0.339	0.000	0.130
80.00	-17.74	-4.57	0.00	-242.52	0.00	242.52	1856.07	487.49	1735.51	1617.53	2.69	-0.349	0.000	0.128
82.00	-17.37	-4.52	0.00	-233.37	0.00	233.37	1839.53	479.92	1682.04	1578.04	2.84	-0.360	0.000	0.126
84.00	-17.00	-4.47	0.00	-224.33	0.00	224.33	1822.60	472.35	1629.41	1538.68	2.99	-0.371	0.000	0.123
86.00	-16.63	-4.41	0.00	-215.39	0.00	215.39	1805.28	464.78	1577.62	1499.46	3.15	-0.382	0.000	0.121
88.00	-16.27	-4.36	0.00	-206.57	0.00	206.57	1787.57	457.22	1526.66	1460.40	3.31	-0.393	0.000	0.119
89.92	-15.93	-4.31	0.00	-198.21	0.00	198.21	1770.24	449.96	1478.61	1423.12	3.47	-0.403	0.000	0.116
90.00	-15.91	-4.31	0.00	-197.85	0.00	197.85	1769.48	449.65	1476.54	1421.50	3.48	-0.404	0.000	0.116
92.00	-15.34	-4.26	0.00	-189.23	0.00	189.23	1751.00	442.08	1427.26	1382.80	3.65	-0.415	0.000	0.113
94.00	-14.78	-4.20	0.00	-180.72	0.00	180.72	1732.14	434.51	1378.81	1344.29	3.83	-0.426	0.000	0.111
94.92	-14.53	-4.18	0.00	-176.87	0.00	176.87	1262.32	349.97	1118.08	987.98	3.91	-0.431	0.000	0.123
96.00	-14.37	-4.15	0.00	-172.34	0.00	172.34	1256.50	346.69	1097.22	974.14	4.01	-0.437	0.000	0.139
98.00	-14.08	-4.10	0.00	-164.04	0.00	164.04	1245.44	340.64	1059.23	948.60	4.19	-0.449	0.000	0.135
100.00	-13.47	-3.85	0.00	-155.84	0.00	155.84	1234.00	334.58	1021.92	923.07	4.38	-0.462	0.000	0.131
102.00	-13.20	-3.80	0.00	-148.14	0.00	148.14	1222.17	328.53	985.27	897.56	4.58	-0.474	0.000	0.128
104.00	-12.93	-3.75	0.00	-140.54	0.00	140.54	1209.95	322.47	949.29	872.10	4.78	-0.487	0.000	0.124
106.00	-12.67	-3.70	0.00	-133.04	0.00	133.04	1197.35	316.42	913.98	846.70	4.99	-0.499	0.000	0.120
108.00	-12.41	-3.66	0.00	-125.63	0.00	125.63	1184.36	310.36	879.34	821.38	5.20	-0.511	0.000	0.116
109.00	-12.28	-3.63	0.00	-121.97	0.00	121.97	1177.71	307.34	862.27	808.75	5.31	-0.517	0.000	0.114
109.00	-12.28	-3.63	0.00	-121.97	0.00	121.97	1177.71	307.34	862.27	808.75	5.31	-0.517	0.000	0.157
109.92	-12.16	-3.61	0.00	-118.65	0.00	118.65	1171.54	304.56	846.77	797.19	5.41	-0.523	0.000	0.159
109.92	-12.16	-3.61	0.00	-118.65	0.00	118.65	1171.54	304.56	846.77	797.19	5.41	-0.523	0.000	0.159
110.00	-12.15	-3.61	0.00	-118.35	0.00	118.35	1170.98	304.31	845.36	796.14	5.42	-0.524	0.000	0.159
112.00	-11.90	-3.56	0.00	-111.13	0.00	111.13	1157.21	298.26	812.06	771.01	5.64	-0.541	0.000	0.155
114.00	-11.65	-3.52	0.00	-104.00	0.00	104.00	1143.06	292.20	779.43	746.01	5.87	-0.558	0.000	0.150
116.00	-11.41	-3.48	0.00	-96.96	0.00	96.96	1128.52	286.15	747.46	721.14	6.11	-0.575	0.000	0.145
118.00	-11.17	-3.43	0.00	-90.01	0.00	90.01	1113.60	280.09	716.17	696.43	6.35	-0.592	0.000	0.139
120.00	-10.93	-3.39	0.00	-83.14	0.00	83.14	1098.28	274.04	685.54	671.88	6.60	-0.608	0.000	0.134
122.00	-10.70	-3.35	0.00	-76.37	0.00	76.37	1082.58	267.98	655.59	647.53	6.86	-0.625	0.000	0.128
124.00	-10.47	-3.30	0.00	-69.67	0.00	69.67	1066.50	261.93	626.30	623.37	7.13	-0.641	0.000	0.122
126.00	-10.24	-3.26	0.00	-63.07	0.00	63.07	1050.02	255.88	597.68	599.43	7.40	-0.656	0.000	0.115
128.00	-10.02	-3.22	0.00	-56.54	0.00	56.54	1033.16	249.82	569.73	575.73	7.68	-0.671	0.000	0.108
130.00	-9.80	-3.18	0.00	-50.09	0.00	50.09	1015.91	243.77	542.45	552.28	7.96	-0.686	0.000	0.101
132.00	-6.29	-2.14	0.00	-43.73	0.00	43.73	998.40	237.71	515.84	529.15	8.25	-0.699	0.000	0.089
134.00	-6.10	-2.10	0.00	-39.44	0.00	39.44	972.97	231.66	489.90	502.41	8.55	-0.712	0.000	0.085
136.00	-5.92	-2.06	0.00	-35.24	0.00	35.24	947.54	225.60	464.63	476.37	8.85	-0.725	0.000	0.080
138.00	-5.75	-2.03	0.00	-31.11	0.00	31.11	922.11	219.55	440.03	451.02	9.16	-0.737	0.000	0.075
140.00	-5.57	-1.99	0.00	-27.06	0.00	27.06	896.68	213.50	416.09	426.36	9.47	-0.749	0.000	0.070
142.00	-5.40	-1.95	0.00	-23.08	0.00	23.08	871.26	207.44	392.83	402.40	9.78	-0.760	0.000	0.064
144.00	-5.24	-1.92	0.00	-19.17	0.00	19.17	845.83	201.39	370.23	379.13	10.10	-0.769	0.000	0.057
146.00	-5.08	-1.88	0.00	-15.33	0.00	15.33	820.40	195.33	348.31	356.55	10.43	-0.778	0.000	0.049
147.00	-3.26	-1.37	0.00	-13.45	0.00	13.45	807.68	192.31	337.59	345.53	10.59	-0.782	0.000	0.043
148.00	-3.19	-1.35	0.00	-12.08	0.00	12.08	794.97	189.28	327.05	334.67	10.76	-0.786	0.000	0.040
150.00	-3.06	-1.32	0.00	-9.37	0.00	9.37	769.54	183.22	306.46	313.48	11.09	-0.793	0.000	0.034
152.00	-2.92	-1.29	0.00	-6.74	0.00	6.74	744.11	177.17	286.54	292.98	11.42	-0.798	0.000	0.027
154.00	-2.80	-1.26	0.00	-4.16	0.00	4.16	718.69	171.12	267.29	273.18	11.76	-0.803	0.000	0.019
156.00	-2.67	-1.23	0.00	-1.65	0.00	1.65	693.26	165.06	248.71	254.07	12.09	-0.805	0.000	0.010
157.00	0.00	-1.19	0.00	-0.43	0.00	0.43	680.54	162.03	239.68	244.77	12.26	-0.805	0.000	0.002

Structure:	CT00252-S-SBA	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Prospect	**Exposure:**	B		
Height:	157.00 (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	

Tower Engineering Solutions

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 118 mph Wind	29.5	0.00	51.46	0.00	0.00	3036.15
0.9D + 1.0W 118 mph Wind	29.5	0.00	38.59	0.00	0.00	3018.84
1.2D + 1.0Di + 1.0Wi 50 mph Wind	7.2	0.00	68.60	0.00	0.00	761.27
1.2D + 1.0Ev + 1.0Eh	1.1	0.00	53.34	0.00	0.00	145.04
0.9D + 1.0Ev + 1.0Eh	1.1	0.00	40.40	0.00	0.00	144.66
1.0D + 1.0W 60 mph Wind	6.8	0.00	42.89	0.00	0.00	699.81

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 118 mph Wind	-14.02	-15.70	0.00	-516.02	0.00	-516.02	1171.54	304.56	846.77	797.19	109.92	0.662
0.9D + 1.0W 118 mph Wind	-10.48	-15.64	0.00	-524.86	0.00	-524.86	1177.71	307.34	862.27	808.75	109.00	0.652
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-23.20	-4.01	0.00	-133.15	0.00	-133.15	1171.54	304.56	846.77	797.19	109.92	0.187
1.2D + 1.0Ev + 1.0Eh	-15.16	-0.94	0.00	-31.59	0.00	-31.59	1171.54	304.56	846.77	797.19	109.92	0.053
0.9D + 1.0Ev + 1.0Eh	-11.49	-0.94	0.00	-31.71	0.00	-31.71	1171.54	304.56	846.77	797.19	109.92	0.050
1.0D + 1.0W 60 mph Wind	-12.16	-3.61	0.00	-118.65	0.00	-118.65	1171.54	304.56	846.77	797.19	109.92	0.159

Additional Steel Summary

Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors VQ/I (lb/in)	Intermediate Connectors Vu (kips)	Intermediate Connectors phi Vn (kips)	Lower Termination MQ/I (kips)	Lower Termination phi Vn (kips)	Lower Termination Num Reqd	Lower Termination Num Actual	Upper Termination MQ/I (kips)	Upper Termination phi Vn (kips)	Upper Termination Num Reqd	Upper Termination Num Actual	Max Member Pu (kips)	Max Member phi Pn (kips)	Max Member phi Tn (kips)	Ratio
16.0	49.0	(3) PLT-C6x10.5(1.5" Hole)	-79.5	-1.91	25.3	65.4	25.3	3	0	70.1	25.3	3	0	72.18	171.6	155.36	0.465
66.0	109.0	(3) PLT-C6x10.5(1.5" Hole)	-164.5	-3.95	25.3	68.2	25.3	3	0	66.3	25.3	3	0	75.77	171.6	155.36	0.488

Monopole Mat Foundation Design

Customer Name:	Verizon	TIA Standard:	TIA-222-H
Site Name:		Structure Height (Ft.):	157
Site Number:	CT00252-S-SBA	Engineer Name:	J. Tibbetts
Engr. Number:	141610	Engineer Login ID:	

Date: 7/7/2023

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

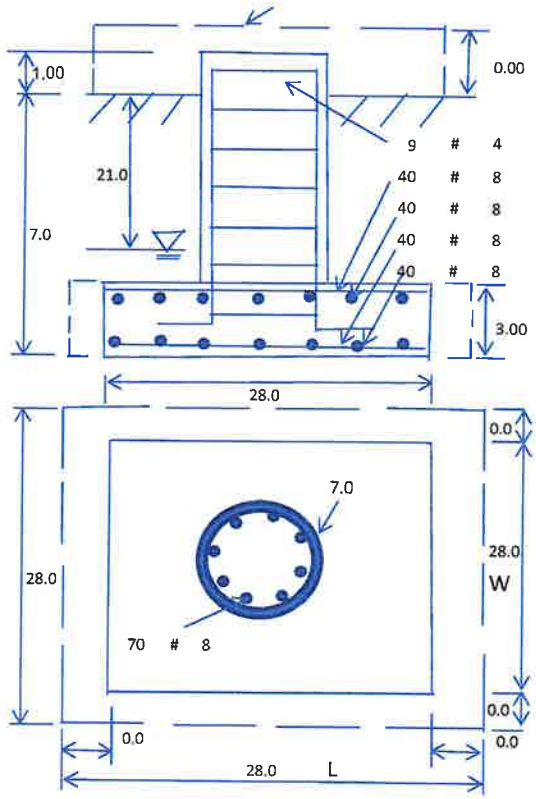
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	51.5	Shear Force (Kips):	29.5
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3036.2

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	7.0	Depth of Base BG (ft.):	7.0
Pier Height A. G. (ft.):	1.00	Thickness of Pad (ft):	3.00
Length of Pad (ft.):	28	Width of Pad (ft.):	28
Final Length of pad (ft)	28.0	Final width of pad (ft):	28.0



Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	8	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	70	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	8	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	40	Qty. of Rebar in Pad (W):	40	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	40	Qty. of Rebar in Pad (W):	40	

Soil Design Parameters:

Soil Unit Weight (pcf):	135.0	Soil Buoyant Weight:	50.0	Pcf		
Water Table B.G.S. (ft):	21.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	8000	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	Yes		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	Yes	Reduction factor on the maximum soil bearing pressure:			1.00	

Foundation Analysis and Design: Uplift Strength Reduction Factor: 0.75 — Compression Strength Reduction Factor: 0.75

Total Dry Soil Volume (cu. Ft.):	2982.06	Total Dry Soil Weight (Kips):	402.58
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	402.58	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	2544.42	Total Dry Concrete Weight (Kips):	381.66
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	381.66	Total Vertical Load on Base (Kips):	835.74

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	1617	<	Allowable Factored Soil Bearing (psf):	6000	0.27	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	10602.4	>	Design Factored Moment (kips-ft):	3014	0.28	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	3.52	OK!				

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90		Strength reduction factor (Shear):	0.75		
Strength reduction factor (Axial compresion):	0.65		Wind Load Factor on Concrete Design:	1.00		
					Load/ Capacity Ratio	
(1) Concrete Pier:						
Vertical Steel Rebar Area (sq. in./each):	0.79		Tie / Stirrup Area (sq. in./each):	0.20		
Calculated Moment Capacity (Mn,Kips-Ft):	8827.9	>	Design Factored Moment (Mu, Kips-F	3183.7	0.36	OK!
Calculated Shear Capacity (Kips):	589.7	>	Design Factored Shear (Kips):	29.5	0.05	OK!
Calculated Tension Capacity (Tn, Kips):	2986.2	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	7275.1	>	Design Factored Axial Load (Pu Kips):	51.5	0.01	OK!
Moment & Axial Strength Combination:	0.36	OK!	Check Tie Spacing (Design/Required):		1	OK!
Pier Reinforcement Ratio:	0.010		Reinforcement Ratio is satisfied per ACI			
(2).Concrete Pad:						
One-Way Design Shear Capacity (L-Direction, Kips):	897.2	>	One-Way Factored Shear (L-D. Kips):	214.1	0.24	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	897.2	>	One-Way Factored Shear (W-D., Kips)	214.1	0.24	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	870.9	>	One-Way Factored Shear (C-C, Kips):	190.3	0.22	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0029	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0029		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	4464.2	>	Moment at Bottom (L-Dir. K-Ft):	1335.8	0.30	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	4464.2	>	Moment at Bottom (W-Dir. K-Ft):	1335.8	0.30	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	6265.5	>	Moment at Bottom (C-C Dir. K-Ft):	1889.1	0.30	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0029	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0029		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	4464.2	>	Moment at the top (L-Dir K-Ft):	521.3	0.12	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	4464.2	>	Moment at the top (W-Dir K-Ft):	521.3	0.12	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	6265.5	>	Moment at the top (C-C Dir. K-Ft):	487.4	0.08	OK!
(3).Check Punching Shear Capacity due to Moment in the Pier:						
Moment transferred by punching shear:	1214.5	k-ft.	Max. factored shear stress v_{u_CD}:		2.5	Psi
Max. factored shear stress v_{u_AB}:	9.2	Psi	Factored shear Strength ϕv_n:		164.3	Psi
Max. factored shear stress v_u:	9.2	Psi	Check Usage of Punching Shear Capacity:		0.06	OK!
(4).Check Bending Capacity of the Pad Within the Effective Slab Width:						
Overturning moment to be transferred by flexure:	910.9	k-ft.	Effective Width for resisting OT moment:		16.0	ft.
Calculated number of Rebar in Effective width:	23		Actual number of Rebar in Effective width:		23	
Steel Pad Moment Capacity (L-Direc. Kips-ft):	2566.3	k-ft.	Check Usage of the Flexure Capacity:		0.35	OK!

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

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10206278
Colliers Engineering & Design CT. P.C. Project #: 23777043

July 10, 2023

Site Information	*Site ID:*	*5000385161-VZW / PROSPECT CT*
	Site Name:	*PROSPECT CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*178 New Haven Rd.* *Prospect, Connecticut 06712* *New Haven County*
	Latitude:	*41.472303°*
	Longitude:	*-72.971458°*
Structure Information	*Tower Type:*	*160-Ft Monopole*
	Mount Type:	*14.00-Ft Platform*

FUZE ID # 17124000

Analysis Results

Platform: **49.5% 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: Andy Hanes

STATE OF CONNECTICUT
DEJIAN XU
No. 33733
LICENSED PROFESSIONAL ENGINEER
07/10/2023

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: 324747, dated July 22, 2021*
Mount Mapping Report	*Structural Components, Site ID: 21777746, dated April 14, 2021*
Previous Mount Analysis	*Paul J. Ford & Company, Project #: 22721-0337.002.7191, dated August 11, 2021*
PMI Report	*Paul J. Ford & Company, SMART Tool Project #: 10095674, dated June 22, 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:	0.971
Seismic Parameters:	S_S:	0.201 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
130.00	132.00	6	KAelus	BSF0020F3V1-1	Added
		6	Decibel	DB844G65ZAXY	Retained
		6	Andrew	SBNHH-1D65B	
		3	Samsung	MT6407-77A	
		1	Raycap	OVP-12	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	

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
Connection Check	13.1 %	Pass
Platform Angle	49.5 %	Pass
Platform Double Angle	3.9 %	Pass
Mount Pipe	25.9 %	Pass
Standoff Horizontal 2	13.4 %	Pass
Standoff Horizontal	26.4 %	Pass
Support Rail	26.3 %	Pass
Support Rail Plate	33.7 %	Pass
Support Rail Corner Angle	10.3 %	Pass
V-Bracing	8.5 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**49.5%**

BASELINE mount weight per SBA agreement: 2247 lbs

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

The weights listed above include 3 sector(s).

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

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	34.6	34.6	48.0	48.0
0.5	42.8	42.8	61.9	61.9
1	50.7	50.7	75.4	75.4

Notes:
- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 4 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.

N/A

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

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

MDG #: 5000385161 SMART Project #: 10206278 Fuze Project ID: 17124000

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:

N/A

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: 5000385161-VZW - PROSPECT CT

Sector: A

Structure Type: Monopole

Mount Elev: 130.00

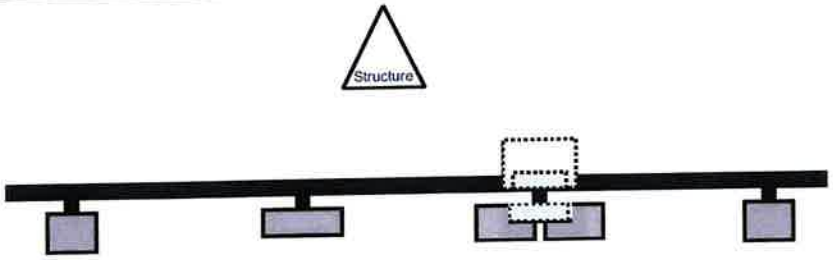
10206278

7/10/2023

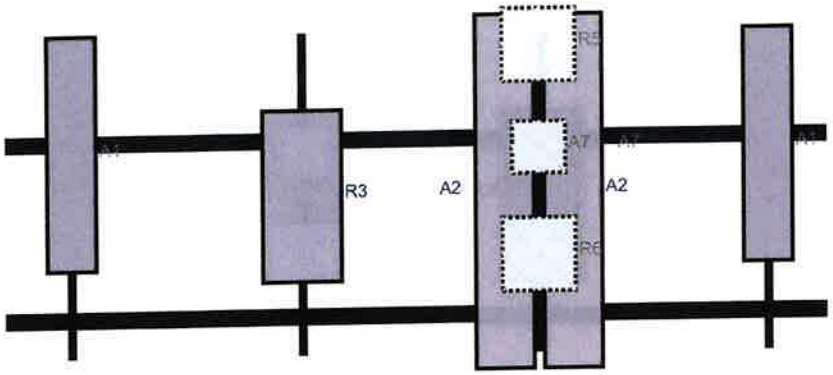
Page: 1

Colliers Engineering & Design

Plan View



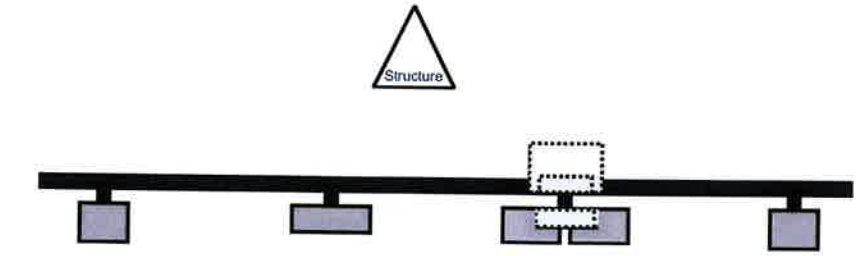
Front View - Looking at Structure



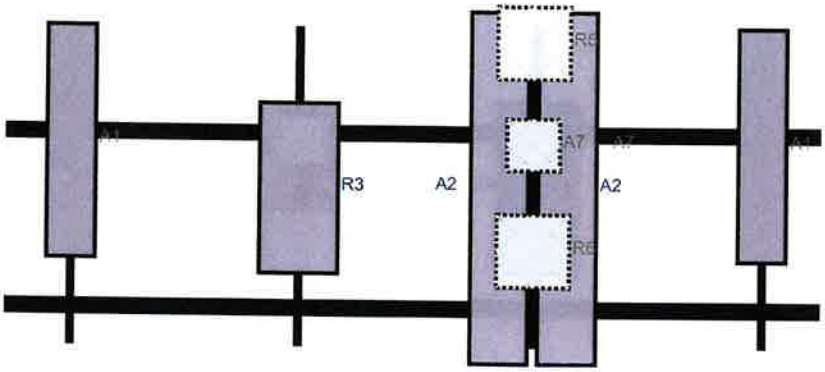
4 3 2 1

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
A1	DB844G65ZAXY	48	10	156	1	a	Front	24	0	Retained	02/02/2023
A2	SBNHH-1D65B	72.6	11.9	109	2	a	Front	33	7	Retained	02/02/2023
A2	SBNHH-1D65B	72.6	11.9	109	2	b	Front	33	-7	Retained	02/02/2023
R5	RF4439d-25A	15	15	109	2	a	Behind	3	0	Retained	02/02/2023
R6	RF4440d-13A	15	15	109	2	b	Behind	45.96	0	Retained	02/02/2023
A7	BSF0020F3V1-1	10.6	10.9	109	2	a	Behind	24	0	Added	
A7	BSF0020F3V1-1	10.6	10.9	109	2	b	Front	24	0	Added	
R3	MT6407-77A	35.1	16.1	60.5	3	a	Front	33.36	0	Retained	02/02/2023
A1	DB844G65ZAXY	48	10	13.5	4	a	Front	24	0	Retained	02/02/2023
MPSO	RHSDC-6627-PF-48	29.5	16.5		Member					Retained	02/02/2023

Plan View



Front View - Looking at Structure



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A7	BSF0020F3V1-1	10.6	10.9	109	2	b	Front	24	0	Added	
R3	MT6407-77A	35.1	16.1	60.5	3	a	Front	33.36	0	Retained	02/02/2023
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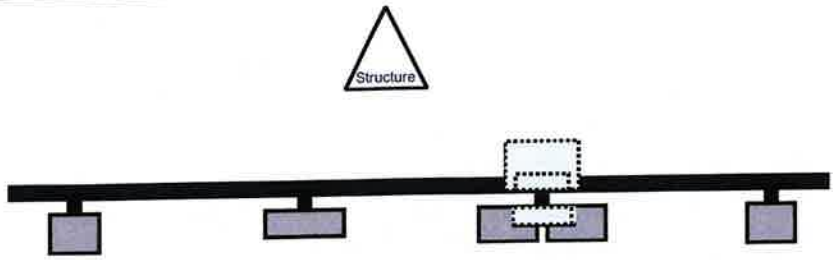
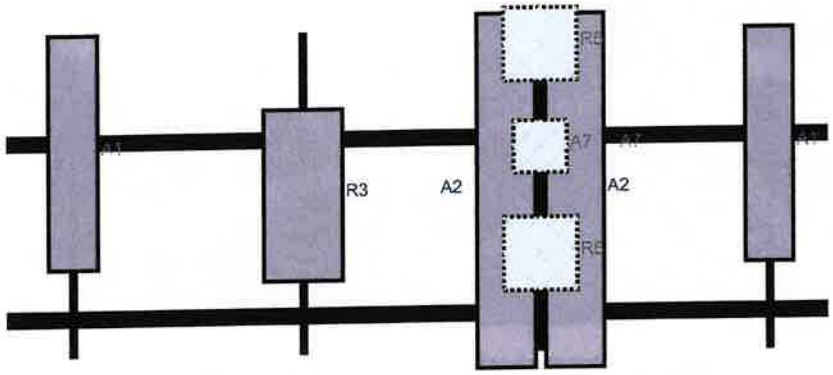
Colliers Engineering & Design

Plan View



Front View - Looking at Structure



4 3 2 1

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R6	RF4440d-13A	15	15	109	2	b	Behind	45.96	0	Retained	02/02/2023
A7	BSF0020F3V1-1	10.6	10.9	109	2	a	Behind	24	0	Added	
A7	BSF0020F3V1-1	10.6	10.9	109	2	b	Front	24	0	Added	
R3	MT6407-77A	35.1	16.1	60.5	3	a	Front	33.36	0	Retained	02/02/2023
A1	DB844G65ZAXY	48	10	13.5	4	a	Front	24	0	Retained	02/02/2023


Feb 2, 2023 at 12:58:13 PM
Prospect


Feb 2, 2023 at 1:02:24 PM
Prospect

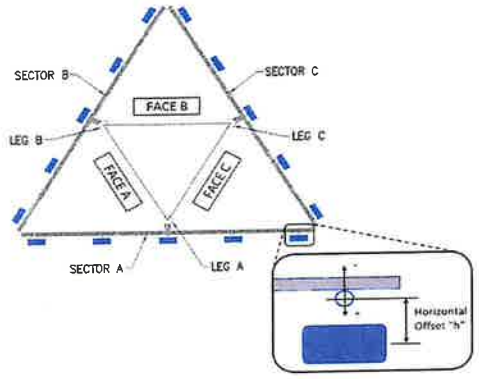
V4.0 Updated on 3-31-2021

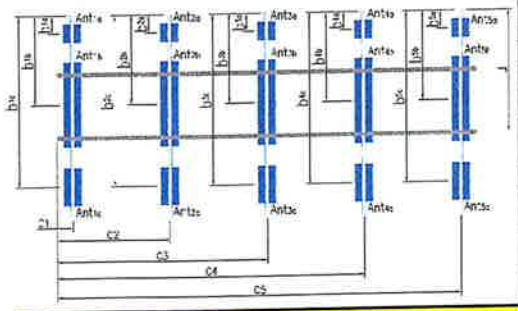
Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1051829

Tower Owner:	SBA	Mapping Date:	4/14/2021
Site Name:	Prospect	Tower Type:	Monopole
Site Number or ID:	21777746	Tower Height (Ft.):	160
Mapping Contractor:	Structral Components	Mount Elevation (Ft.):	126

Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."
A1	2-3/8x0.154x72	44.00	12.00	C1	2-3/8x0.154x71.5	44.00	12.00
A2	2-3/8x0.154x66	58.00	59.00	C2	2-3/8x0.154x67	57.00	59.00
A3	2-3/8x0.154x66	58.00	107.50	C3	2-3/8x0.154x67.5	58.00	107.50
A4	2-3/8x0.154x72	45.00	154.50	C4	2-3/8x0.154x72	45.00	154.50
A5				C5			
A6				C6			
B1	2-3/8x0.154x72	42.00	12.00	D1			
B2	2-3/8x0.154x67	58.00	59.00	D2			
B3	2-3/8x0.154x66.5	58.00	107.50	D3			
B4	2-3/8x0.154x72	45.00	154.50	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	96.5
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

Please enter additional infomation or comments below.

3/8" weld from main arm to plate

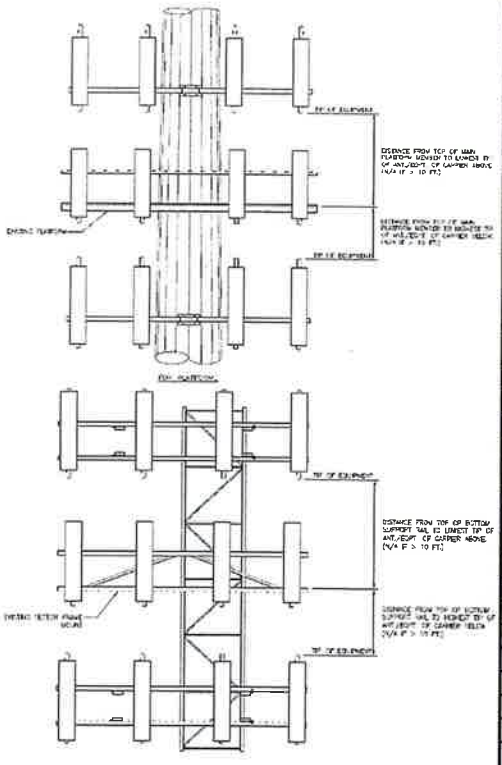
Tower Face Width at Mount Elev. (ft.):	7	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	26.75
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances "b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}	unknown	9.50	8.00	48.00	jumpers	127.417	27.00	11.00	20.00	11, 17
Ant_{1b}	RFS Diplexor	6.50	0.75	5.00	) 1-5/8" T	127.333	28.00	-2.50		34
Ant_{1c}										
Ant_{2a}	sbnhh-1d65b	12.00	7.00	73.00	jumpers	127.792	36.50	9.00	20.00	11, 17
Ant_{2b}	b13 rrh4x30	12.00	7.50	20.50	jumpers	129.479	16.25	-7.00		40
Ant_{2c}										
Ant_{3a}	sbnhh-1d65b	12.00	7.00	73.00	jumpers	127.792	36.50	9.00	20.00	11, 17
Ant_{3b}	unknown radio	11.50	7.00	25.50	jumpers	129.604	14.75	-7.00		74
Ant_{3c}										
Ant_{4a}	unknown	9.50	8.00	48.00	jumpers	127.333	29.00	11.00	20.00	11, 17
Ant_{4b}	RFS Diplexor	6.50	0.75	5.00	) 1-5/8" T	127.333	29.00	-3.00		94
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	Raycap SSD	14.00	10.00	19.00	.5" Hybri	128.5				
Ant on Standoff										
Ant on Tower										
Ant on Tower										

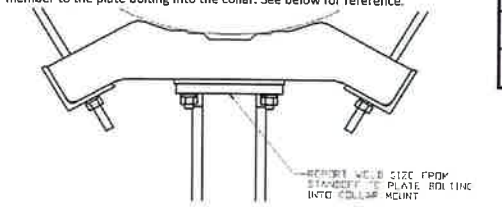
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	20.00	Deg	Leg A:		Deg
Sector B:	140.00	Deg	Leg B:		Deg
Sector C:	260.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	f1	Deg	Sector B
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

Please insert a photo of the mount centerline measurement here.



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



Sector B										
Ant_{1a}	unknown	9.50	8.00	48.00	jumpers	127.083	29.00	10.00	140.00	12, 15
Ant_{1b}	RFS Diplexor	6.50	0.75	5.00	) 1-5/8" T	127.333	26.00	-2.50		106
Ant_{1c}										
Ant_{2a}	sbnhh-1d65b	12.00	7.00	73.00	jumpers	127.792	36.50	9.00	140.00	12, 15
Ant_{2b}	b13 rrh4x30	12.00	7.50	20.50	jumpers	128.5	28.00	-7.00		111
Ant_{2c}										
Ant_{3a}	sbnhh-1d65b	12.00	7.00	73.00	jumpers	127.792	36.50	9.50	140.00	12, 15
Ant_{3b}	unknown radio	11.50	7.00	25.50	jumpers	128.833	24.00	-6.00		114
Ant_{3c}										
Ant_{4a}	unknown	9.50	8.00	48.00	jumpers	125.375	52.50	10.00	140.00	12, 15
Ant_{4b}	RFS Diplexor	6.50	0.75	5.00	) 1-5/8" T	127.292	29.50	-2.50		119
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	unknown	9.50	8.00	48.00	jumpers	127.375	27.50	10.00	260.00	13, 16
Ant_{1b}	RFS Diplexor	6.50	0.75	5.00	) 1-5/8" T	127.208	29.50	-2.50		125
Ant_{1c}										
Ant_{2a}	sbnhh-1d65b	12.00	7.00	73.00	jumpers	127.917	34.00	9.00	260.00	13, 16
Ant_{2b}	b13 rrh4x30	12.00	7.50	20.50	jumpers	128.375	28.50	-7.00		130
Ant_{2c}										
Ant_{3a}	sbnhh-1d65b	12.00	7.00	73.00	jumpers	127.958	34.50	9.00	260.00	13, 16
Ant_{3b}	unknown radio	11.50	7.00	25.50	jumpers	128.458	28.50	-7.00		135
Ant_{3c}										
Ant_{4a}	unknown	9.50	8.00	48.00	jumpers	127.417	28.00	10.00	260.00	13, 16
Ant_{4b}	RFS Diplexor	6.50	0.75	5.00	) 1-5/8" T	127.083	32.00	-3.00		141
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

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

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

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

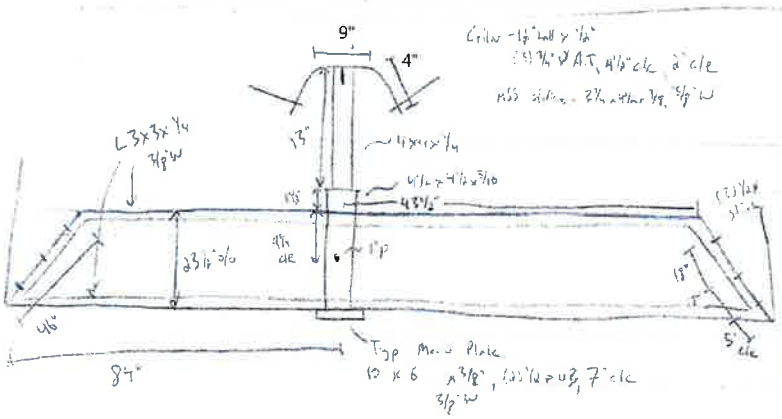
V4.0 Updated on 3-31-2021

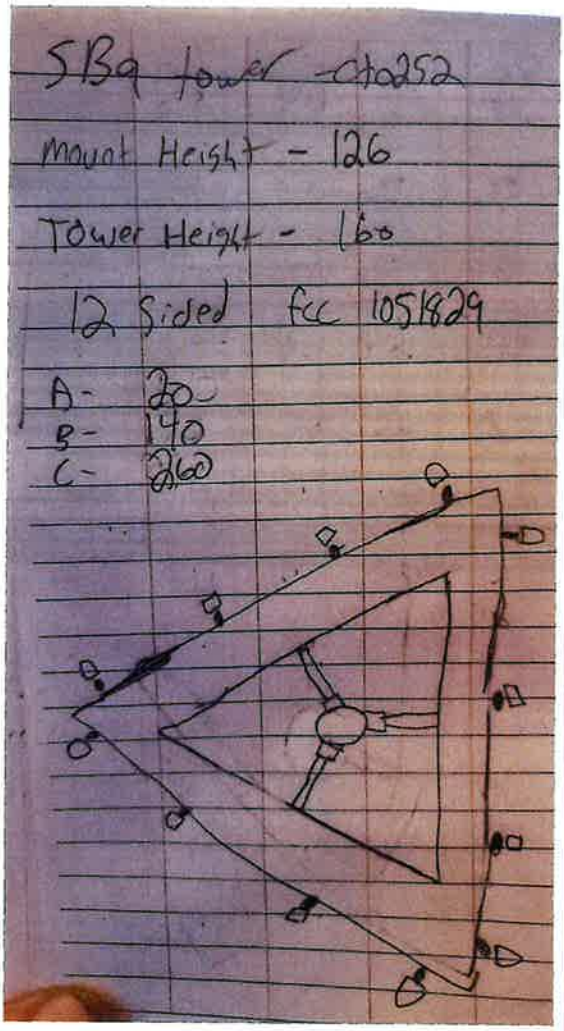
Antenna Mount Mapping Form (PATENT PENDING)

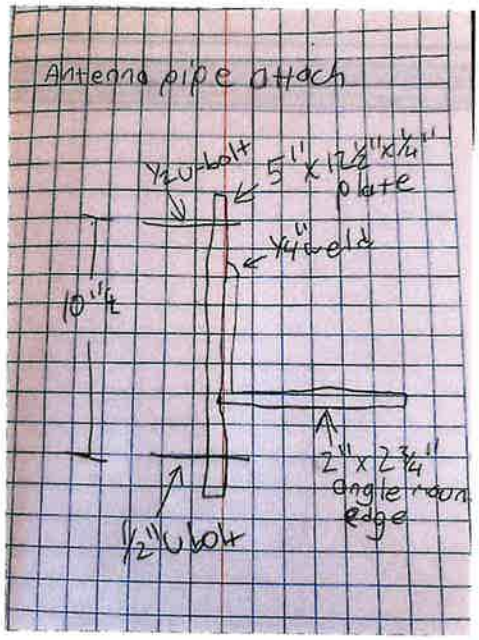
FCC #: 1051829

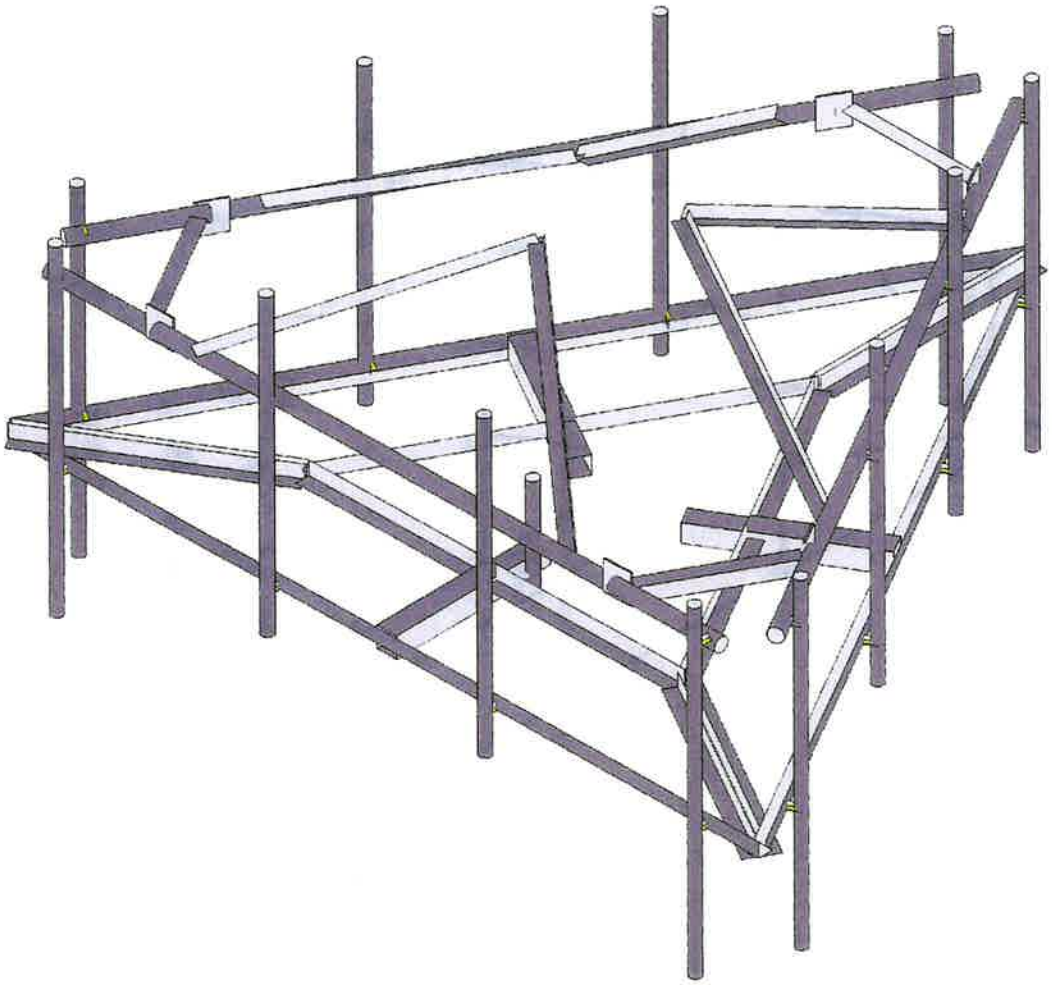
Tower Owner:	SBA	Mapping Date:	4/14/2021
Site Name:	Prospect	Tower Type:	Monopole
Site Number or ID:	21777746	Tower Height (Ft.):	160
Mapping Contractor:	Structral Components	Mount Elevation (Ft.):	126

Please Insert Sketches of the Antenna Mount



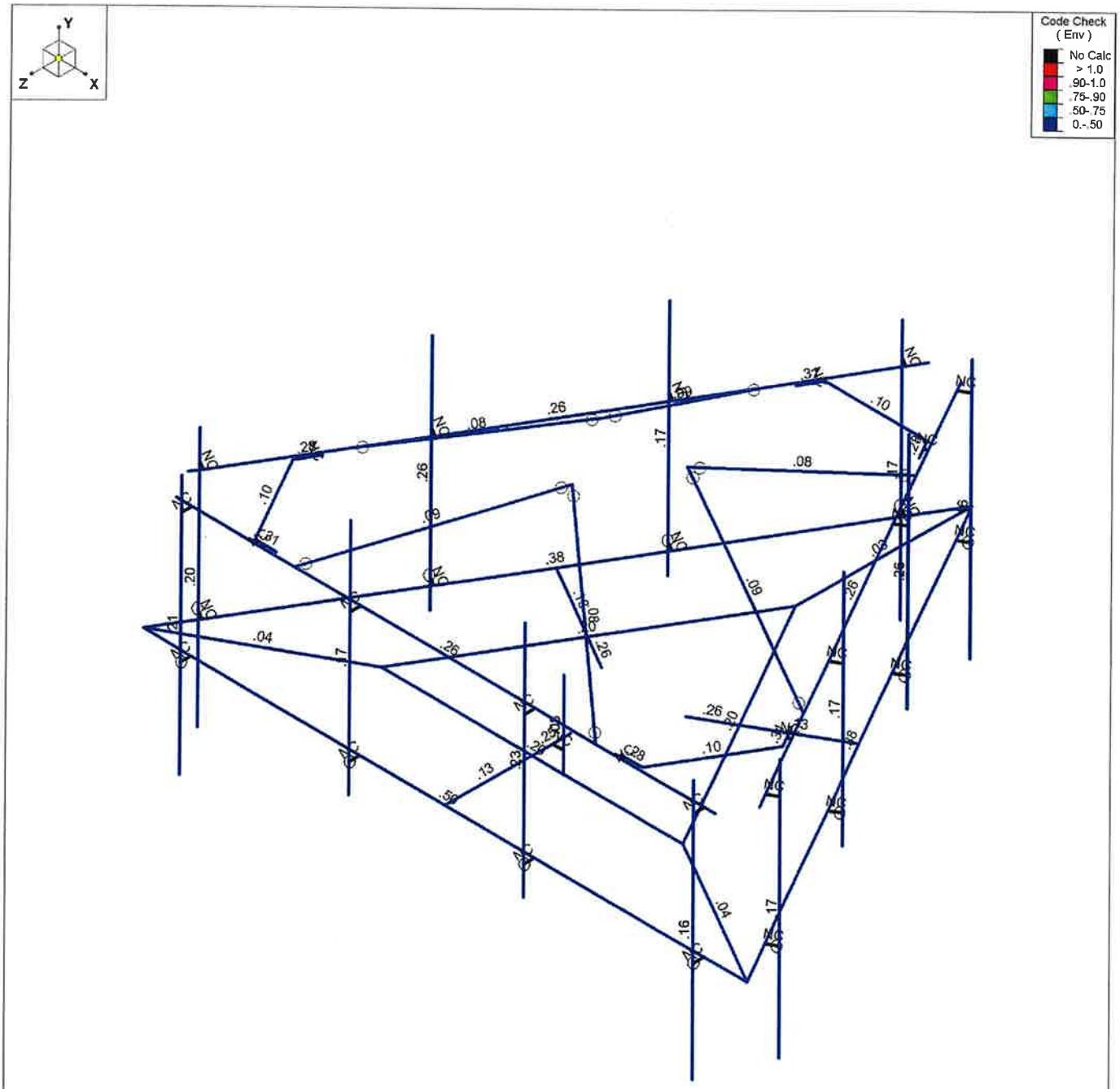






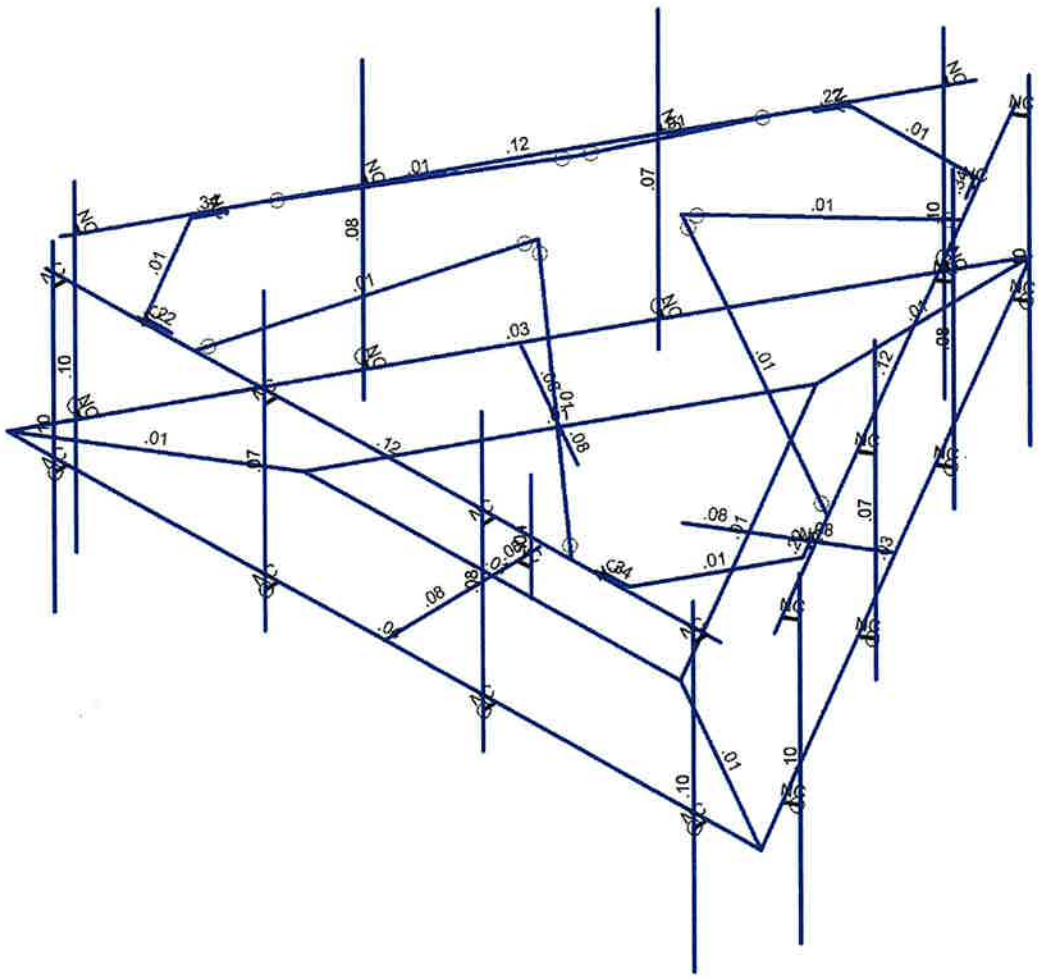
Envelope Only Solution

		SK - 1
		July 7, 2023 at 3:19 PM
		5000385161-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		July 7, 2023 at 3:19 PM
		5000385161-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		July 7, 2023 at 3:19 PM
		5000385161-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					120			
2	Antenna Di	None					120			
3	Antenna Wo (0 Deg)	None					120			
4	Antenna Wo (30 Deg)	None					120			
5	Antenna Wo (60 Deg)	None					120			
6	Antenna Wo (90 Deg)	None					120			
7	Antenna Wo (120 Deg)	None					120			
8	Antenna Wo (150 Deg)	None					120			
9	Antenna Wo (180 Deg)	None					120			
10	Antenna Wo (210 Deg)	None					120			
11	Antenna Wo (240 Deg)	None					120			
12	Antenna Wo (270 Deg)	None					120			
13	Antenna Wo (300 Deg)	None					120			
14	Antenna Wo (330 Deg)	None					120			
15	Antenna Wi (0 Deg)	None					120			
16	Antenna Wi (30 Deg)	None					120			
17	Antenna Wi (60 Deg)	None					120			
18	Antenna Wi (90 Deg)	None					120			
19	Antenna Wi (120 Deg)	None					120			
20	Antenna Wi (150 Deg)	None					120			
21	Antenna Wi (180 Deg)	None					120			
22	Antenna Wi (210 Deg)	None					120			
23	Antenna Wi (240 Deg)	None					120			
24	Antenna Wi (270 Deg)	None					120			
25	Antenna Wi (300 Deg)	None					120			
26	Antenna Wi (330 Deg)	None					120			
27	Antenna Wm (0 Deg)	None					120			
28	Antenna Wm (30 Deg)	None					120			
29	Antenna Wm (60 Deg)	None					120			
30	Antenna Wm (90 Deg)	None					120			
31	Antenna Wm (120 Deg)	None					120			
32	Antenna Wm (150 Deg)	None					120			
33	Antenna Wm (180 Deg)	None					120			
34	Antenna Wm (210 Deg)	None					120			
35	Antenna Wm (240 Deg)	None					120			
36	Antenna Wm (270 Deg)	None					120			
37	Antenna Wm (300 Deg)	None					120			
38	Antenna Wm (330 Deg)	None					120			
39	Structure D	None		-1					3	
40	Structure Di	None						46	3	
41	Structure Wo (0 Deg)	None						92		
42	Structure Wo (30 Deg)	None						92		
43	Structure Wo (60 Deg)	None						92		
44	Structure Wo (90 Deg)	None						92		
45	Structure Wo (120 D...	None						92		
46	Structure Wo (150 D...	None						92		
47	Structure Wo (180 D...	None						92		
48	Structure Wo (210 D...	None						92		
49	Structure Wo (240 D...	None						92		
50	Structure Wo (270 D...	None						92		
51	Structure Wo (300 D...	None						92		
52	Structure Wo (330 D...	None						92		
53	Structure Wi (0 Deg)	None						92		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
54	Structure Wi (30 Deg)	None						92		
55	Structure Wi (60 Deg)	None						92		
56	Structure Wi (90 Deg)	None						92		
57	Structure Wi (120 De..	None						92		
58	Structure Wi (150 De..	None						92		
59	Structure Wi (180 De..	None						92		
60	Structure Wi (210 De..	None						92		
61	Structure Wi (240 De..	None						92		
62	Structure Wi (270 De..	None						92		
63	Structure Wi (300 De..	None						92		
64	Structure Wi (330 De..	None						92		
65	Structure Wm (0 Deg)	None						92		
66	Structure Wm (30 De...	None						92		
67	Structure Wm (60 De...	None						92		
68	Structure Wm (90 De...	None						92		
69	Structure Wm (120 D...	None						92		
70	Structure Wm (150 D...	None						92		
71	Structure Wm (180 D...	None						92		
72	Structure Wm (210 D...	None						92		
73	Structure Wm (240 D...	None						92		
74	Structure Wm (270 D...	None						92		
75	Structure Wm (300 D...	None						92		
76	Structure Wm (330 D...	None						92		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					120			
82	Antenna Eh (0 Deg)	None					80			
83	Antenna Eh (90 Deg)	None					80			
84	Structure Ev	ELY		-.024					3	
85	Structure Eh (0 Deg)	ELZ			-.06				3	
86	Structure Eh (90 Deg)	ELX	.06						3	
87	BLC 39 Transient Are..	None						30		
88	BLC 40 Transient Are..	None						30		
89	BLC 84 Transient Are..	None						30		
90	BLC 85 Transient Are..	None						30		
91	BLC 86 Transient Are..	None						30		

Load Combinations

	Description	Sol..	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
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 (0 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										

Load Combinations (Continued)

	Description	Sol...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (120 D...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (150 D...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (180 D...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (210 D...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (240 D...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (270 D...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (300 D...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (330 D...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (120 D...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (150 D...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (180 D...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (210 D...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (240 D...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (270 D...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (300 D...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (330 D...	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 (0 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		E...	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	E...	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	E...	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	E...		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (120 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	E...	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0Eh (150 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	E...	-.8...	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (180 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		E...	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (210 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
60	1.2D + 1.0Ev + 1.0Eh (240 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
61	1.2D + 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	E...		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (300 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	E...	.5	E...	-.8...				
63	1.2D + 1.0Ev + 1.0Eh (330 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	E...	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		E...	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	E...	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	E...	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	E...		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (120 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	E...	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh (150 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	E...	-.8...	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (180 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		E...	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (210 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				

Load Combinations (Continued)

	Description	Sol...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
72	0.9D - 1.0Ev + 1.0Eh (240 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	E...		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (300 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	E...	.5	E...	-.8...				
75	0.9D - 1.0Ev + 1.0Eh (330 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	E...	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N7	-3.5	0	2.020726	0	
2	N9	3.5	0	2.020726	0	
3	N11	-0.	0	-4.041452	0	
4	N13	3.5	0	-2.020726	0	
5	N15	-3.5	0	-2.020726	0	
6	N17	0.	0	4.041452	0	
7	N18	0.	0	1.124785	0	
8	N46	1.75	0	-1.010363	0	
9	N47	-1.75	0	-1.010363	0	
10	N48	0.	0	2.020726	0	
11	N56	7	0	4.041452	0	
12	N58	-0.	0	-8.082904	0	
13	N57A	-7	0	4.041452	0	
14	N40	6	-2.333333	4.291452	0	
15	N41	6	3.666667	4.291452	0	
16	N42	6	0	4.291452	0	
17	N43	2.083333	-0.666667	4.291452	0	
18	N44	2.083333	4.833333	4.291452	0	
19	N45	2.083333	0	4.291452	0	
20	N46A	-5.875	-2.25	4.291452	0	
21	N47A	-5.875	3.75	4.291452	0	
22	N48A	-5.875	0	4.291452	0	
23	N49	6	0	4.041452	0	
24	N50	2.083333	0	4.041452	0	
25	N51	-5.875	0	4.041452	0	
26	N52	0.	0	1.958119	0	
27	N55	1.69578	0	-0.979059	0	
28	N58A	-1.69578	0	-0.979059	0	
29	N55A	-1.958333	-0.666667	4.291452	0	
30	N56A	-1.958333	4.833333	4.291452	0	
31	N57B	-1.958333	0	4.291452	0	
32	N58B	-1.958333	0	4.041452	0	
33	N36	0.716506	-2.333333	-7.341878	0	
34	N37	0.716506	3.666667	-7.341878	0	
35	N38	0.716506	0	-7.341878	0	
36	N39	2.67484	-0.666667	-3.949946	0	
37	N40A	2.67484	4.833333	-3.949946	0	
38	N41A	2.67484	0	-3.949946	0	
39	N42A	6.654006	-2.25	2.942173	0	
40	N43A	6.654006	3.75	2.942173	0	
41	N44A	6.654006	0	2.942173	0	
42	N45A	0.5	0	-7.216878	0	
43	N46B	2.458333	0	-3.824946	0	
44	N47B	6.4375	0	3.067173	0	
45	N48B	4.695673	-0.666667	-0.44976	0	
46	N49A	4.695673	4.833333	-0.44976	0	
47	N50A	4.695673	0	-0.44976	0	
48	N51A	4.479167	0	-0.32476	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
49	N53	-6.716506	-2.333333	3.050426	0	
50	N54A	-6.716506	3.666667	3.050426	0	
51	N55B	-6.716506	0	3.050426	0	
52	N56B	-4.758173	-0.666667	-0.341506	0	
53	N57C	-4.758173	4.833333	-0.341506	0	
54	N58C	-4.758173	0	-0.341506	0	
55	N59	-0.779006	-2.25	-7.233625	0	
56	N60	-0.779006	3.75	-7.233625	0	
57	N61	-0.779006	0	-7.233625	0	
58	N62	-6.5	0	3.175426	0	
59	N63	-4.541667	0	-0.216506	0	
60	N64	-0.5625	0	-7.108625	0	
61	N65	-2.73734	-0.666667	-3.841692	0	
62	N66	-2.73734	4.833333	-3.841692	0	
63	N67	-2.73734	0	-3.841692	0	
64	N68	-2.520833	0	-3.716692	0	
65	N67A	0.974093	0	-0.562393	0	
66	N68A	-0.974093	0	-0.562393	0	
67	N67B	0.	0	1.541452	0	
68	N68B	.25	0	1.541452	0	
69	N69	.25	1.5	1.541452	0	
70	N70	.25	-.5	1.541452	0	
71	N71	6.25	3	4.041452	0	
72	N72	-0.	3	-8.082904	0	
73	N73	-6.25	3	4.041452	0	
74	N74	6	3	4.291452	0	
75	N75	2.083333	3	4.291452	0	
76	N76	-5.875	3	4.291452	0	
77	N77	6	3	4.041452	0	
78	N78	2.083333	3	4.041452	0	
79	N79	-5.875	3	4.041452	0	
80	N80	-1.958333	3	4.291452	0	
81	N81	-1.958333	3	4.041452	0	
82	N82	0.716506	3	-7.341878	0	
83	N83	2.67484	3	-3.949946	0	
84	N84	6.654006	3	2.942173	0	
85	N85	0.5	3	-7.216878	0	
86	N86	2.458333	3	-3.824946	0	
87	N87	6.4375	3	3.067173	0	
88	N88	4.695673	3	-0.44976	0	
89	N89	4.479167	3	-0.32476	0	
90	N90	-6.716506	3	3.050426	0	
91	N91	-4.758173	3	-0.341506	0	
92	N92	-0.779006	3	-7.233625	0	
93	N93	-6.5	3	3.175426	0	
94	N94	-4.541667	3	-0.216506	0	
95	N95	-0.5625	3	-7.108625	0	
96	N96	-2.73734	3	-3.841692	0	
97	N97	-2.520833	3	-3.716692	0	
98	N131	-3.5	3	4.041452	0	
99	N133	3.5	3	4.041452	0	
100	N133A	0.375	3	-7.433385	0	
101	N134A	6.625	3	3.391933	0	
102	N135	5.25	3	1.010363	0	
103	N136A	1.75	3	-5.051815	0	
104	N137A	-6.625	3	3.391933	0	
105	N138	-0.375	3	-7.433385	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
106	N139A	-1.75	3	-5.051815	0	
107	N140A	-5.25	3	1.010363	0	
108	N141	-4.25	3	4.041452	0	
109	N142A	5.625	3	1.659882	0	
110	N143	-1.375	3	-5.701334	0	
111	N144	4.25	3	4.041452	0	
112	N145	1.375	3	-5.701334	0	
113	N146	-5.625	3	1.659882	0	
114	N144B	-4.25	3	3.958119	0	
115	N145A	4.25	3	3.958119	0	
116	N146A	-4	3	3.958119	0	
117	N147	4.5	3	3.958119	0	
118	N148	-4.5	3	3.958119	0	
119	N149	4	3	3.958119	0	
120	N152	5.552831	3	1.701549	0	
121	N153	1.302831	3	-5.659667	0	
122	N154	5.427831	3	1.485042	0	
123	N155	1.177831	3	-5.876174	0	
124	N156	5.677831	3	1.918055	0	
125	N157	1.427831	3	-5.443161	0	
126	N160	-1.302831	3	-5.659667	0	
127	N161	-5.552831	3	1.701549	0	
128	N162	-1.427831	3	-5.443161	0	
129	N163	-5.677831	3	1.918055	0	
130	N164	-1.177831	3	-5.876174	0	
131	N165	-5.427831	3	1.485042	0	
132	N162A	0.	5	1.124785	0	
133	N163A	0.974093	5	-0.562393	0	
134	N164A	-0.974093	5	-0.562393	0	
135	N135A	0	0	0	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Standoff Horizontal	HSS4X4X4	Beam	None	A36 Gr.36	Typical	3.37	7.8	7.8	12.8
2	Platform Angle	L3X3X4	Beam	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
3	V-Bracing	L2.5x2.5x4	Beam	None	A36 Gr.36	Typical	1.19	.692	.692	.026
4	Support Rail	PIPE_2.5	Beam	None	A36 Gr.36	Typical	1.61	1.45	1.45	2.89
5	Mount Pipe	PIPE_2.0	Beam	None	A36 Gr.36	Typical	1.02	.627	.627	1.25
6	Standoff Horizontal 2	HSS4.5X4.5X3	Beam	None	A36 Gr.36	Typical	2.93	9.02	9.02	14.4
7	Platform Double An...	LL3x3x4x6	Beam	None	A36 Gr.36	Typical	2.88	6.65	2.46	.063
8	Support Rail Corner...	L3X3X6	Beam	None	A36 Gr.36	Typical	2.11	1.75	1.75	.101
9	Support Rail Plate	PL3/8x6.5	Beam	None	A36 Gr.36	Typical	2.438	.029	8.582	.11
10	TES Platform Doubl...	LL3x3x4x6	Beam	None	A36 Gr.36	Typical	2.88	6.65	2.46	.063

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
2	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
3	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.42	29000	11154	.3	.65	.49	42	1.4	58	1.3
5	A500 Gr.46	29000	11154	.3	.65	.49	46	1.4	58	1.3
6	A53 Gr. B (35 ksi)	29000	11154	.3	.65	.49	35	1.5	60	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	CBC1	N56	N58		270	Platform Angle	Beam	None	A36 Gr.36	Typical
2	CBB1	N58	N57A		270	Platform Angle	Beam	None	A36 Gr.36	Typical
3	CBA1	N57A	N56		270	Platform Angle	Beam	None	A36 Gr.36	Typical
4	M7	N9	N11			Platform Angle	Beam	None	A36 Gr.36	Typical
5	M8	N11	N7			Platform Angle	Beam	None	A36 Gr.36	Typical
6	M9	N7	N9			Platform Angle	Beam	None	A36 Gr.36	Typical
7	M10	N7	N57A		180	Platform Doubl...	Beam	None	A36 Gr.36	Typical
8	M23	N9	N56		180	Platform Doubl...	Beam	None	A36 Gr.36	Typical
9	M24	N11	N58		180	Platform Doubl...	Beam	None	A36 Gr.36	Typical
10	MP1A	N41	N40			Mount Pipe	Beam	None	A36 Gr.36	Typical
11	MP2A	N44	N43			Mount Pipe	Beam	None	A36 Gr.36	Typical
12	MP4A	N47A	N46A			Mount Pipe	Beam	None	A36 Gr.36	Typical
13	M28	N49	N42			RIGID	None	None	RIGID	Typical
14	M29	N50	N45			RIGID	None	None	RIGID	Typical
15	M30	N51	N48A			RIGID	None	None	RIGID	Typical
16	M28A	N52	N17			Standoff Horiz...	Beam	None	A36 Gr.36	Typical
17	M29A	N18	N52			Standoff Horiz...	Beam	None	A36 Gr.36	Typical
18	M30A	N55	N13			Standoff Horiz...	Beam	None	A36 Gr.36	Typical
19	M32	N58A	N15			Standoff Horiz...	Beam	None	A36 Gr.36	Typical
20	MP3A	N56A	N55A			Mount Pipe	Beam	None	A36 Gr.36	Typical
21	M35	N58B	N57B			RIGID	None	None	RIGID	Typical
22	MP1C	N37	N36			Mount Pipe	Beam	None	A36 Gr.36	Typical
23	MP2C	N40A	N39			Mount Pipe	Beam	None	A36 Gr.36	Typical
24	MP4C	N43A	N42A			Mount Pipe	Beam	None	A36 Gr.36	Typical
25	M27	N45A	N38			RIGID	None	None	RIGID	Typical
26	M28B	N46B	N41A			RIGID	None	None	RIGID	Typical
27	M29B	N47B	N44A			RIGID	None	None	RIGID	Typical
28	MP3C	N49A	N48B			Mount Pipe	Beam	None	A36 Gr.36	Typical
29	M31A	N51A	N50A			RIGID	None	None	RIGID	Typical
30	MP1B	N54A	N53			Mount Pipe	Beam	None	A36 Gr.36	Typical
31	MP2B	N57C	N56B			Mount Pipe	Beam	None	A36 Gr.36	Typical
32	MP4B	N60	N59			Mount Pipe	Beam	None	A36 Gr.36	Typical
33	M35A	N62	N55B			RIGID	None	None	RIGID	Typical
34	M36	N63	N58C			RIGID	None	None	RIGID	Typical
35	M37	N64	N61			RIGID	None	None	RIGID	Typical
36	MP3B	N66	N65			Mount Pipe	Beam	None	A36 Gr.36	Typical
37	M39	N68	N67			RIGID	None	None	RIGID	Typical
38	M38A	N68A	N58A			Standoff Horiz...	Beam	None	A36 Gr.36	Typical
39	M39A	N67A	N55			Standoff Horiz...	Beam	None	A36 Gr.36	Typical
40	M40	N67B	N68B			RIGID	None	None	RIGID	Typical
41	MPSO	N69	N70			Mount Pipe	Beam	None	A36 Gr.36	Typical
42	M44	N73	N71		270	Support Rail	Beam	None	A36 Gr.36	Typical
43	M45	N77	N74			RIGID	None	None	RIGID	Typical
44	M46	N78	N75			RIGID	None	None	RIGID	Typical
45	M47	N79	N76			RIGID	None	None	RIGID	Typical
46	M48	N81	N80			RIGID	None	None	RIGID	Typical
47	M49	N85	N82			RIGID	None	None	RIGID	Typical
48	M50	N86	N83			RIGID	None	None	RIGID	Typical
49	M51	N87	N84			RIGID	None	None	RIGID	Typical
50	M52	N89	N88			RIGID	None	None	RIGID	Typical
51	M53	N93	N90			RIGID	None	None	RIGID	Typical
52	M54	N94	N91			RIGID	None	None	RIGID	Typical
53	M55	N95	N92			RIGID	None	None	RIGID	Typical
54	M56	N97	N96			RIGID	None	None	RIGID	Typical
55	M70A	N134A	N133A		270	Support Rail	Beam	None	A36 Gr.36	Typical
56	M71A	N138	N137A		270	Support Rail	Beam	None	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
57	M72	N141	N144B			RIGID	None	None	RIGID	Typical
58	M73	N144	N145A			RIGID	None	None	RIGID	Typical
59	M74	N146A	N148			Support Rail Pl...	Beam	None	A36 Gr.36	Typical
60	M75	N147	N149			Support Rail Pl...	Beam	None	A36 Gr.36	Typical
61	M76	N142A	N152			RIGID	None	None	RIGID	Typical
62	M77	N145	N153			RIGID	None	None	RIGID	Typical
63	M78	N154	N156			Support Rail Pl...	Beam	None	A36 Gr.36	Typical
64	M79	N155	N157			Support Rail Pl...	Beam	None	A36 Gr.36	Typical
65	M80	N143	N160			RIGID	None	None	RIGID	Typical
66	M81	N146	N161			RIGID	None	None	RIGID	Typical
67	M82	N162	N164			Support Rail Pl...	Beam	None	A36 Gr.36	Typical
68	M83	N163	N165			Support Rail Pl...	Beam	None	A36 Gr.36	Typical
69	M84	N163	N148		180	Support Rail C...	Beam	None	A36 Gr.36	Typical
70	M85	N147	N156		180	Support Rail C...	Beam	None	A36 Gr.36	Typical
71	M86	N164	N155		90	Support Rail C...	Beam	None	A36 Gr.36	Typical
72	M87	N162A	N131			V-Bracing	Beam	None	A36 Gr.36	Typical
73	M88	N162A	N133			V-Bracing	Beam	None	A36 Gr.36	Typical
74	M89	N163A	N135			V-Bracing	Beam	None	A36 Gr.36	Typical
75	M90	N163A	N136A			V-Bracing	Beam	None	A36 Gr.36	Typical
76	M91	N164A	N139A			V-Bracing	Beam	None	A36 Gr.36	Typical
77	M92	N164A	N140A			V-Bracing	Beam	None	A36 Gr.36	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	CBC1						Yes				None
2	CBB1						Yes				None
3	CBA1						Yes				None
4	M7						Yes				None
5	M8						Yes				None
6	M9						Yes				None
7	M10						Yes				None
8	M23						Yes				None
9	M24						Yes				None
10	MP1A						Yes				None
11	MP2A						Yes				None
12	MP4A						Yes	** NA **			None
13	M28	OOOXOX					Yes	** NA **			None
14	M29	OOOXOX					Yes	** NA **			None
15	M30	OOOXOX					Yes				None
16	M28A						Yes				None
17	M29A						Yes				None
18	M30A						Yes				None
19	M32						Yes				None
20	MP3A						Yes	** NA **			None
21	M35	OOOXOX					Yes				None
22	MP1C						Yes				None
23	MP2C						Yes				None
24	MP4C						Yes	** NA **			None
25	M27	OOOXOX					Yes	** NA **			None
26	M28B	OOOXOX					Yes	** NA **			None
27	M29B	OOOXOX					Yes				None
28	MP3C						Yes	** NA **			None
29	M31A	OOOXOX					Yes				None
30	MP1B						Yes				None
31	MP2B										

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
32	MP4B						Yes				None
33	M35A	OOOXOX					Yes	** NA **			None
34	M36	OOOXOX					Yes	** NA **			None
35	M37	OOOXOX					Yes	** NA **			None
36	MP3B						Yes				None
37	M39	OOOXOX					Yes	** NA **			None
38	M38A						Yes				None
39	M39A						Yes				None
40	M40						Yes	** NA **			None
41	MPSO						Yes				None
42	M44						Yes				None
43	M45						Yes	** NA **			None
44	M46						Yes	** NA **			None
45	M47						Yes	** NA **			None
46	M48						Yes	** NA **			None
47	M49						Yes	** NA **			None
48	M50						Yes	** NA **			None
49	M51						Yes	** NA **			None
50	M52						Yes	** NA **			None
51	M53						Yes	** NA **			None
52	M54						Yes	** NA **			None
53	M55						Yes	** NA **			None
54	M56						Yes	** NA **			None
55	M70A						Yes				None
56	M71A						Yes				None
57	M72						Yes	** NA **			None
58	M73						Yes	** NA **			None
59	M74						Yes				None
60	M75						Yes				None
61	M76						Yes	** NA **			None
62	M77						Yes	** NA **			None
63	M78						Yes				None
64	M79						Yes				None
65	M80						Yes	** NA **			None
66	M81						Yes	** NA **			None
67	M82						Yes				None
68	M83						Yes				None
69	M84						Yes				None
70	M85						Yes				None
71	M86						Yes				None
72	M87	BenPIN	BenPIN				Yes				None
73	M88	BenPIN	BenPIN				Yes				None
74	M89	BenPIN	BenPIN				Yes				None
75	M90	BenPIN	BenPIN				Yes				None
76	M91	BenPIN	BenPIN				Yes				None
77	M92	BenPIN	BenPIN				Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-6	.5
2	MP1A	My	-.006	.5
3	MP1A	Mz	0	.5
4	MP1A	Y	-6	3.5
5	MP1A	My	-.006	3.5
6	MP1A	Mz	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP1B	Y	-6	.5
8	MP1B	My	.003	.5
9	MP1B	Mz	-.005	.5
10	MP1B	Y	-6	3.5
11	MP1B	My	.003	3.5
12	MP1B	Mz	-.005	3.5
13	MP1C	Y	-6	.5
14	MP1C	My	.003	.5
15	MP1C	Mz	.005	.5
16	MP1C	Y	-6	3.5
17	MP1C	My	.003	3.5
18	MP1C	Mz	.005	3.5
19	MP4A	Y	-6	.5
20	MP4A	My	-.006	.5
21	MP4A	Mz	0	.5
22	MP4A	Y	-6	3.5
23	MP4A	My	-.006	3.5
24	MP4A	Mz	0	3.5
25	MP4B	Y	-6	.5
26	MP4B	My	.003	.5
27	MP4B	Mz	-.005	.5
28	MP4B	Y	-6	3.5
29	MP4B	My	.003	3.5
30	MP4B	Mz	-.005	3.5
31	MP4C	Y	-6	.5
32	MP4C	My	.003	.5
33	MP4C	Mz	.005	.5
34	MP4C	Y	-6	3.5
35	MP4C	My	.003	3.5
36	MP4C	Mz	.005	3.5
37	MP2A	Y	-20	.5
38	MP2A	My	-.02	.5
39	MP2A	Mz	.012	.5
40	MP2A	Y	-20	5
41	MP2A	My	-.02	5
42	MP2A	Mz	.012	5
43	MP2B	Y	-20	.5
44	MP2B	My	-.000104	.5
45	MP2B	Mz	-.023	.5
46	MP2B	Y	-20	5
47	MP2B	My	-.000104	5
48	MP2B	Mz	-.023	5
49	MP2C	Y	-20	.5
50	MP2C	My	.02	.5
51	MP2C	Mz	.011	.5
52	MP2C	Y	-20	5
53	MP2C	My	.02	5
54	MP2C	Mz	.011	5
55	MP2A	Y	-20	.5
56	MP2A	My	-.02	.5
57	MP2A	Mz	-.012	.5
58	MP2A	Y	-20	5
59	MP2A	My	-.02	5
60	MP2A	Mz	-.012	5
61	MP2B	Y	-20	.5
62	MP2B	My	.02	.5
63	MP2B	Mz	-.011	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2B	Y	-20	5
65	MP2B	My	.02	5
66	MP2B	Mz	-.011	5
67	MP2C	Y	-20	.5
68	MP2C	My	-.000104	.5
69	MP2C	Mz	.023	.5
70	MP2C	Y	-20	5
71	MP2C	My	-.000104	5
72	MP2C	Mz	.023	5
73	MP3A	Y	-43.55	1.83
74	MP3A	My	-.044	1.83
75	MP3A	Mz	0	1.83
76	MP3A	Y	-43.55	3.73
77	MP3A	My	-.044	3.73
78	MP3A	Mz	0	3.73
79	MP3B	Y	-43.55	1.83
80	MP3B	My	.022	1.83
81	MP3B	Mz	-.038	1.83
82	MP3B	Y	-43.55	3.73
83	MP3B	My	.022	3.73
84	MP3B	Mz	-.038	3.73
85	MP3C	Y	-43.55	1.83
86	MP3C	My	.022	1.83
87	MP3C	Mz	.038	1.83
88	MP3C	Y	-43.55	3.73
89	MP3C	My	.022	3.73
90	MP3C	Mz	.038	3.73
91	MPSO	Y	-32	.5
92	MPSO	My	.016	.5
93	MPSO	Mz	0	.5
94	MP2A	Y	-74.7	.25
95	MP2A	My	.037	.25
96	MP2A	Mz	0	.25
97	MP2B	Y	-74.7	.25
98	MP2B	My	-.019	.25
99	MP2B	Mz	.032	.25
100	MP2C	Y	-74.7	.25
101	MP2C	My	-.019	.25
102	MP2C	Mz	-.032	.25
103	MP2A	Y	-70.3	3.83
104	MP2A	My	.035	3.83
105	MP2A	Mz	0	3.83
106	MP2B	Y	-70.3	3.83
107	MP2B	My	-.018	3.83
108	MP2B	Mz	.03	3.83
109	MP2C	Y	-70.3	3.83
110	MP2C	My	-.018	3.83
111	MP2C	Mz	-.03	3.83
112	MP2A	Y	-17.6	2
113	MP2A	My	.009	2
114	MP2A	Mz	0	2
115	MP2B	Y	-17.6	2
116	MP2B	My	-.004	2
117	MP2B	Mz	.008	2
118	MP2C	Y	-17.6	2
119	MP2C	My	-.004	2
120	MP2C	Mz	-.008	2

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-39.61	.5
2	MP1A	My	-.04	.5
3	MP1A	Mz	0	.5
4	MP1A	Y	-39.61	3.5
5	MP1A	My	-.04	3.5
6	MP1A	Mz	0	3.5
7	MP1B	Y	-39.61	.5
8	MP1B	My	.02	.5
9	MP1B	Mz	-.034	.5
10	MP1B	Y	-39.61	3.5
11	MP1B	My	.02	3.5
12	MP1B	Mz	-.034	3.5
13	MP1C	Y	-39.61	.5
14	MP1C	My	.02	.5
15	MP1C	Mz	.034	.5
16	MP1C	Y	-39.61	3.5
17	MP1C	My	.02	3.5
18	MP1C	Mz	.034	3.5
19	MP4A	Y	-39.61	.5
20	MP4A	My	-.04	.5
21	MP4A	Mz	0	.5
22	MP4A	Y	-39.61	3.5
23	MP4A	My	-.04	3.5
24	MP4A	Mz	0	3.5
25	MP4B	Y	-39.61	.5
26	MP4B	My	.02	.5
27	MP4B	Mz	-.034	.5
28	MP4B	Y	-39.61	3.5
29	MP4B	My	.02	3.5
30	MP4B	Mz	-.034	3.5
31	MP4C	Y	-39.61	.5
32	MP4C	My	.02	.5
33	MP4C	Mz	.034	.5
34	MP4C	Y	-39.61	3.5
35	MP4C	My	.02	3.5
36	MP4C	Mz	.034	3.5
37	MP2A	Y	-60.649	.5
38	MP2A	My	-.061	.5
39	MP2A	Mz	.035	.5
40	MP2A	Y	-60.649	5
41	MP2A	My	-.061	5
42	MP2A	Mz	.035	5
43	MP2B	Y	-60.649	.5
44	MP2B	My	-.000314	.5
45	MP2B	Mz	-.07	.5
46	MP2B	Y	-60.649	5
47	MP2B	My	-.000314	5
48	MP2B	Mz	-.07	5
49	MP2C	Y	-60.649	.5
50	MP2C	My	.061	.5
51	MP2C	Mz	.035	.5
52	MP2C	Y	-60.649	5
53	MP2C	My	.061	5
54	MP2C	Mz	.035	5
55	MP2A	Y	-60.649	.5
56	MP2A	My	-.061	.5
57	MP2A	Mz	-.035	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	Y	-60.649	5
59	MP2A	My	-.061	5
60	MP2A	Mz	-.035	5
61	MP2B	Y	-60.649	.5
62	MP2B	My	.061	.5
63	MP2B	Mz	-.035	.5
64	MP2B	Y	-60.649	5
65	MP2B	My	.061	5
66	MP2B	Mz	-.035	5
67	MP2C	Y	-60.649	.5
68	MP2C	My	-.000314	.5
69	MP2C	Mz	.07	.5
70	MP2C	Y	-60.649	5
71	MP2C	My	-.000314	5
72	MP2C	Mz	.07	5
73	MP3A	Y	-35.371	1.83
74	MP3A	My	-.035	1.83
75	MP3A	Mz	0	1.83
76	MP3A	Y	-35.371	3.73
77	MP3A	My	-.035	3.73
78	MP3A	Mz	0	3.73
79	MP3B	Y	-35.371	1.83
80	MP3B	My	.018	1.83
81	MP3B	Mz	-.031	1.83
82	MP3B	Y	-35.371	3.73
83	MP3B	My	.018	3.73
84	MP3B	Mz	-.031	3.73
85	MP3C	Y	-35.371	1.83
86	MP3C	My	.018	1.83
87	MP3C	Mz	.031	1.83
88	MP3C	Y	-35.371	3.73
89	MP3C	My	.018	3.73
90	MP3C	Mz	.031	3.73
91	MPSO	Y	-87.325	.5
92	MPSO	My	.044	.5
93	MPSO	Mz	0	.5
94	MP2A	Y	-44.59	.25
95	MP2A	My	.022	.25
96	MP2A	Mz	0	.25
97	MP2B	Y	-44.59	.25
98	MP2B	My	-.011	.25
99	MP2B	Mz	.019	.25
100	MP2C	Y	-44.59	.25
101	MP2C	My	-.011	.25
102	MP2C	Mz	-.019	.25
103	MP2A	Y	-42.462	3.83
104	MP2A	My	.021	3.83
105	MP2A	Mz	0	3.83
106	MP2B	Y	-42.462	3.83
107	MP2B	My	-.011	3.83
108	MP2B	Mz	.018	3.83
109	MP2C	Y	-42.462	3.83
110	MP2C	My	-.011	3.83
111	MP2C	Mz	-.018	3.83
112	MP2A	Y	-17.217	2
113	MP2A	My	.009	2
114	MP2A	Mz	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2B	Y	-17.217	2
116	MP2B	My	-.004	2
117	MP2B	Mz	.007	2
118	MP2C	Y	-17.217	2
119	MP2C	My	-.004	2
120	MP2C	Mz	-.007	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-88.661	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	3.5
5	MP1A	Z	-88.661	3.5
6	MP1A	Mx	0	3.5
7	MP1B	X	0	.5
8	MP1B	Z	-77.678	.5
9	MP1B	Mx	.067	.5
10	MP1B	X	0	3.5
11	MP1B	Z	-77.678	3.5
12	MP1B	Mx	.067	3.5
13	MP1C	X	0	.5
14	MP1C	Z	-77.678	.5
15	MP1C	Mx	-.067	.5
16	MP1C	X	0	3.5
17	MP1C	Z	-77.678	3.5
18	MP1C	Mx	-.067	3.5
19	MP4A	X	0	.5
20	MP4A	Z	-88.661	.5
21	MP4A	Mx	0	.5
22	MP4A	X	0	3.5
23	MP4A	Z	-88.661	3.5
24	MP4A	Mx	0	3.5
25	MP4B	X	0	.5
26	MP4B	Z	-77.678	.5
27	MP4B	Mx	.067	.5
28	MP4B	X	0	3.5
29	MP4B	Z	-77.678	3.5
30	MP4B	Mx	.067	3.5
31	MP4C	X	0	.5
32	MP4C	Z	-77.678	.5
33	MP4C	Mx	-.067	.5
34	MP4C	X	0	3.5
35	MP4C	Z	-77.678	3.5
36	MP4C	Mx	-.067	3.5
37	MP2A	X	0	.5
38	MP2A	Z	-112.822	.5
39	MP2A	Mx	-.066	.5
40	MP2A	X	0	5
41	MP2A	Z	-112.822	5
42	MP2A	Mx	-.066	5
43	MP2B	X	0	.5
44	MP2B	Z	-64.602	.5
45	MP2B	Mx	.075	.5
46	MP2B	X	0	5
47	MP2B	Z	-64.602	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	.075	5
49	MP2C	X	0	.5
50	MP2C	Z	-64.602	.5
51	MP2C	Mx	-.037	.5
52	MP2C	X	0	5
53	MP2C	Z	-64.602	5
54	MP2C	Mx	-.037	5
55	MP2A	X	0	.5
56	MP2A	Z	-112.822	.5
57	MP2A	Mx	.066	.5
58	MP2A	X	0	5
59	MP2A	Z	-112.822	5
60	MP2A	Mx	.066	5
61	MP2B	X	0	.5
62	MP2B	Z	-64.602	.5
63	MP2B	Mx	.037	.5
64	MP2B	X	0	5
65	MP2B	Z	-64.602	5
66	MP2B	Mx	.037	5
67	MP2C	X	0	.5
68	MP2C	Z	-64.602	.5
69	MP2C	Mx	-.075	.5
70	MP2C	X	0	5
71	MP2C	Z	-64.602	5
72	MP2C	Mx	-.075	5
73	MP3A	X	0	1.83
74	MP3A	Z	-80.266	1.83
75	MP3A	Mx	0	1.83
76	MP3A	X	0	3.73
77	MP3A	Z	-80.266	3.73
78	MP3A	Mx	0	3.73
79	MP3B	X	0	1.83
80	MP3B	Z	-40.798	1.83
81	MP3B	Mx	.035	1.83
82	MP3B	X	0	3.73
83	MP3B	Z	-40.798	3.73
84	MP3B	Mx	.035	3.73
85	MP3C	X	0	1.83
86	MP3C	Z	-40.798	1.83
87	MP3C	Mx	-.035	1.83
88	MP3C	X	0	3.73
89	MP3C	Z	-40.798	3.73
90	MP3C	Mx	-.035	3.73
91	MPSO	X	0	.5
92	MPSO	Z	-129.817	.5
93	MPSO	Mx	0	.5
94	MP2A	X	0	.25
95	MP2A	Z	-63.475	.25
96	MP2A	Mx	0	.25
97	MP2B	X	0	.25
98	MP2B	Z	-47.811	.25
99	MP2B	Mx	-.021	.25
100	MP2C	X	0	.25
101	MP2C	Z	-47.811	.25
102	MP2C	Mx	.021	.25
103	MP2A	X	0	3.83
104	MP2A	Z	-63.475	3.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP2A	Mx	0	3.83
106	MP2B	X	0	3.83
107	MP2B	Z	-44.74	3.83
108	MP2B	Mx	-.019	3.83
109	MP2C	X	0	3.83
110	MP2C	Z	-44.74	3.83
111	MP2C	Mx	.019	3.83
112	MP2A	X	0	2
113	MP2A	Z	-39.314	2
114	MP2A	Mx	0	2
115	MP2B	X	0	2
116	MP2B	Z	-18.772	2
117	MP2B	Mx	-.008	2
118	MP2C	X	0	2
119	MP2C	Z	-18.772	2
120	MP2C	Mx	.008	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	42.5	.5
2	MP1A	Z	-73.612	.5
3	MP1A	Mx	-.043	.5
4	MP1A	X	42.5	3.5
5	MP1A	Z	-73.612	3.5
6	MP1A	Mx	-.043	3.5
7	MP1B	X	37.008	.5
8	MP1B	Z	-64.1	.5
9	MP1B	Mx	.074	.5
10	MP1B	X	37.008	3.5
11	MP1B	Z	-64.1	3.5
12	MP1B	Mx	.074	3.5
13	MP1C	X	42.5	.5
14	MP1C	Z	-73.612	.5
15	MP1C	Mx	-.043	.5
16	MP1C	X	42.5	3.5
17	MP1C	Z	-73.612	3.5
18	MP1C	Mx	-.043	3.5
19	MP4A	X	42.5	.5
20	MP4A	Z	-73.612	.5
21	MP4A	Mx	-.043	.5
22	MP4A	X	42.5	3.5
23	MP4A	Z	-73.612	3.5
24	MP4A	Mx	-.043	3.5
25	MP4B	X	37.008	.5
26	MP4B	Z	-64.1	.5
27	MP4B	Mx	.074	.5
28	MP4B	X	37.008	3.5
29	MP4B	Z	-64.1	3.5
30	MP4B	Mx	.074	3.5
31	MP4C	X	42.5	.5
32	MP4C	Z	-73.612	.5
33	MP4C	Mx	-.043	.5
34	MP4C	X	42.5	3.5
35	MP4C	Z	-73.612	3.5
36	MP4C	Mx	-.043	3.5
37	MP2A	X	48.374	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2A	Z	-83.787	.5
39	MP2A	Mx	-.097	.5
40	MP2A	X	48.374	5
41	MP2A	Z	-83.787	5
42	MP2A	Mx	-.097	5
43	MP2B	X	24.264	.5
44	MP2B	Z	-42.026	.5
45	MP2B	Mx	.049	.5
46	MP2B	X	24.264	5
47	MP2B	Z	-42.026	5
48	MP2B	Mx	.049	5
49	MP2C	X	48.374	.5
50	MP2C	Z	-83.787	.5
51	MP2C	Mx	.000501	.5
52	MP2C	X	48.374	5
53	MP2C	Z	-83.787	5
54	MP2C	Mx	.000501	5
55	MP2A	X	48.374	.5
56	MP2A	Z	-83.787	.5
57	MP2A	Mx	.000502	.5
58	MP2A	X	48.374	5
59	MP2A	Z	-83.787	5
60	MP2A	Mx	.000502	5
61	MP2B	X	24.264	.5
62	MP2B	Z	-42.026	.5
63	MP2B	Mx	.049	.5
64	MP2B	X	24.264	5
65	MP2B	Z	-42.026	5
66	MP2B	Mx	.049	5
67	MP2C	X	48.374	.5
68	MP2C	Z	-83.787	.5
69	MP2C	Mx	-.097	.5
70	MP2C	X	48.374	5
71	MP2C	Z	-83.787	5
72	MP2C	Mx	-.097	5
73	MP3A	X	33.555	1.83
74	MP3A	Z	-58.119	1.83
75	MP3A	Mx	-.034	1.83
76	MP3A	X	33.555	3.73
77	MP3A	Z	-58.119	3.73
78	MP3A	Mx	-.034	3.73
79	MP3B	X	13.821	1.83
80	MP3B	Z	-23.939	1.83
81	MP3B	Mx	.028	1.83
82	MP3B	X	13.821	3.73
83	MP3B	Z	-23.939	3.73
84	MP3B	Mx	.028	3.73
85	MP3C	X	33.555	1.83
86	MP3C	Z	-58.119	1.83
87	MP3C	Mx	-.034	1.83
88	MP3C	X	33.555	3.73
89	MP3C	Z	-58.119	3.73
90	MP3C	Mx	-.034	3.73
91	MPSO	X	61.018	.5
92	MPSO	Z	-105.687	.5
93	MPSO	Mx	.031	.5
94	MP2A	X	29.127	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2A	Z	-50.449	.25
96	MP2A	Mx	.015	.25
97	MP2B	X	21.295	.25
98	MP2B	Z	-36.884	.25
99	MP2B	Mx	-.021	.25
100	MP2C	X	29.127	.25
101	MP2C	Z	-50.449	.25
102	MP2C	Mx	.015	.25
103	MP2A	X	28.615	3.83
104	MP2A	Z	-49.563	3.83
105	MP2A	Mx	.014	3.83
106	MP2B	X	19.247	3.83
107	MP2B	Z	-33.337	3.83
108	MP2B	Mx	-.019	3.83
109	MP2C	X	28.615	3.83
110	MP2C	Z	-49.563	3.83
111	MP2C	Mx	.014	3.83
112	MP2A	X	16.233	2
113	MP2A	Z	-28.117	2
114	MP2A	Mx	.008	2
115	MP2B	X	5.962	2
116	MP2B	Z	-10.327	2
117	MP2B	Mx	-.006	2
118	MP2C	X	16.233	2
119	MP2C	Z	-28.117	2
120	MP2C	Mx	.008	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	67.271	.5
2	MP1A	Z	-38.839	.5
3	MP1A	Mx	-.067	.5
4	MP1A	X	67.271	3.5
5	MP1A	Z	-38.839	3.5
6	MP1A	Mx	-.067	3.5
7	MP1B	X	67.271	.5
8	MP1B	Z	-38.839	.5
9	MP1B	Mx	.067	.5
10	MP1B	X	67.271	3.5
11	MP1B	Z	-38.839	3.5
12	MP1B	Mx	.067	3.5
13	MP1C	X	76.783	.5
14	MP1C	Z	-44.33	.5
15	MP1C	Mx	1e-6	.5
16	MP1C	X	76.783	3.5
17	MP1C	Z	-44.33	3.5
18	MP1C	Mx	1e-6	3.5
19	MP4A	X	67.271	.5
20	MP4A	Z	-38.839	.5
21	MP4A	Mx	-.067	.5
22	MP4A	X	67.271	3.5
23	MP4A	Z	-38.839	3.5
24	MP4A	Mx	-.067	3.5
25	MP4B	X	67.271	.5
26	MP4B	Z	-38.839	.5
27	MP4B	Mx	.067	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4B	X	67.271	3.5
29	MP4B	Z	-38.839	3.5
30	MP4B	Mx	.067	3.5
31	MP4C	X	76.783	.5
32	MP4C	Z	-44.33	.5
33	MP4C	Mx	1e-6	.5
34	MP4C	X	76.783	3.5
35	MP4C	Z	-44.33	3.5
36	MP4C	Mx	1e-6	3.5
37	MP2A	X	55.947	.5
38	MP2A	Z	-32.301	.5
39	MP2A	Mx	-.075	.5
40	MP2A	X	55.947	5
41	MP2A	Z	-32.301	5
42	MP2A	Mx	-.075	5
43	MP2B	X	55.947	.5
44	MP2B	Z	-32.301	.5
45	MP2B	Mx	.037	.5
46	MP2B	X	55.947	5
47	MP2B	Z	-32.301	5
48	MP2B	Mx	.037	5
49	MP2C	X	97.707	.5
50	MP2C	Z	-56.411	.5
51	MP2C	Mx	.066	.5
52	MP2C	X	97.707	5
53	MP2C	Z	-56.411	5
54	MP2C	Mx	.066	5
55	MP2A	X	55.947	.5
56	MP2A	Z	-32.301	.5
57	MP2A	Mx	-.037	.5
58	MP2A	X	55.947	5
59	MP2A	Z	-32.301	5
60	MP2A	Mx	-.037	5
61	MP2B	X	55.947	.5
62	MP2B	Z	-32.301	.5
63	MP2B	Mx	.075	.5
64	MP2B	X	55.947	5
65	MP2B	Z	-32.301	5
66	MP2B	Mx	.075	5
67	MP2C	X	97.707	.5
68	MP2C	Z	-56.411	.5
69	MP2C	Mx	-.066	.5
70	MP2C	X	97.707	5
71	MP2C	Z	-56.411	5
72	MP2C	Mx	-.066	5
73	MP3A	X	35.332	1.83
74	MP3A	Z	-20.399	1.83
75	MP3A	Mx	-.035	1.83
76	MP3A	X	35.332	3.73
77	MP3A	Z	-20.399	3.73
78	MP3A	Mx	-.035	3.73
79	MP3B	X	35.332	1.83
80	MP3B	Z	-20.399	1.83
81	MP3B	Mx	.035	1.83
82	MP3B	X	35.332	3.73
83	MP3B	Z	-20.399	3.73
84	MP3B	Mx	.035	3.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP3C	X	69.512	1.83
86	MP3C	Z	-40.133	1.83
87	MP3C	Mx	0	1.83
88	MP3C	X	69.512	3.73
89	MP3C	Z	-40.133	3.73
90	MP3C	Mx	0	3.73
91	MPSO	X	92.21	.5
92	MPSO	Z	-53.237	.5
93	MPSO	Mx	.046	.5
94	MP2A	X	41.406	.25
95	MP2A	Z	-23.906	.25
96	MP2A	Mx	.021	.25
97	MP2B	X	41.406	.25
98	MP2B	Z	-23.906	.25
99	MP2B	Mx	-.021	.25
100	MP2C	X	54.971	.25
101	MP2C	Z	-31.738	.25
102	MP2C	Mx	0	.25
103	MP2A	X	38.746	3.83
104	MP2A	Z	-22.37	3.83
105	MP2A	Mx	.019	3.83
106	MP2B	X	38.746	3.83
107	MP2B	Z	-22.37	3.83
108	MP2B	Mx	-.019	3.83
109	MP2C	X	54.971	3.83
110	MP2C	Z	-31.738	3.83
111	MP2C	Mx	0	3.83
112	MP2A	X	16.257	2
113	MP2A	Z	-9.386	2
114	MP2A	Mx	.008	2
115	MP2B	X	16.257	2
116	MP2B	Z	-9.386	2
117	MP2B	Mx	-.008	2
118	MP2C	X	34.047	2
119	MP2C	Z	-19.657	2
120	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	74.017	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.074	.5
4	MP1A	X	74.017	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	-.074	3.5
7	MP1B	X	85	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.043	.5
10	MP1B	X	85	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	.043	3.5
13	MP1C	X	85	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.043	.5
16	MP1C	X	85	3.5
17	MP1C	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	.043	3.5
19	MP4A	X	74.017	.5
20	MP4A	Z	0	.5
21	MP4A	Mx	-.074	.5
22	MP4A	X	74.017	3.5
23	MP4A	Z	0	3.5
24	MP4A	Mx	-.074	3.5
25	MP4B	X	85	.5
26	MP4B	Z	0	.5
27	MP4B	Mx	.043	.5
28	MP4B	X	85	3.5
29	MP4B	Z	0	3.5
30	MP4B	Mx	.043	3.5
31	MP4C	X	85	.5
32	MP4C	Z	0	.5
33	MP4C	Mx	.043	.5
34	MP4C	X	85	3.5
35	MP4C	Z	0	3.5
36	MP4C	Mx	.043	3.5
37	MP2A	X	48.528	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.049	.5
40	MP2A	X	48.528	5
41	MP2A	Z	0	5
42	MP2A	Mx	-.049	5
43	MP2B	X	96.749	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.000501	.5
46	MP2B	X	96.749	5
47	MP2B	Z	0	5
48	MP2B	Mx	-.000501	5
49	MP2C	X	96.749	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.097	.5
52	MP2C	X	96.749	5
53	MP2C	Z	0	5
54	MP2C	Mx	.097	5
55	MP2A	X	48.528	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.049	.5
58	MP2A	X	48.528	5
59	MP2A	Z	0	5
60	MP2A	Mx	-.049	5
61	MP2B	X	96.749	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	.097	.5
64	MP2B	X	96.749	5
65	MP2B	Z	0	5
66	MP2B	Mx	.097	5
67	MP2C	X	96.749	.5
68	MP2C	Z	0	.5
69	MP2C	Mx	-.000501	.5
70	MP2C	X	96.749	5
71	MP2C	Z	0	5
72	MP2C	Mx	-.000501	5
73	MP3A	X	27.643	1.83
74	MP3A	Z	0	1.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	-.028	1.83
76	MP3A	X	27.643	3.73
77	MP3A	Z	0	3.73
78	MP3A	Mx	-.028	3.73
79	MP3B	X	67.11	1.83
80	MP3B	Z	0	1.83
81	MP3B	Mx	.034	1.83
82	MP3B	X	67.11	3.73
83	MP3B	Z	0	3.73
84	MP3B	Mx	.034	3.73
85	MP3C	X	67.11	1.83
86	MP3C	Z	0	1.83
87	MP3C	Mx	.034	1.83
88	MP3C	X	67.11	3.73
89	MP3C	Z	0	3.73
90	MP3C	Mx	.034	3.73
91	MPSO	X	98.694	.5
92	MPSO	Z	0	.5
93	MPSO	Mx	.049	.5
94	MP2A	X	42.59	.25
95	MP2A	Z	0	.25
96	MP2A	Mx	.021	.25
97	MP2B	X	58.254	.25
98	MP2B	Z	0	.25
99	MP2B	Mx	-.015	.25
100	MP2C	X	58.254	.25
101	MP2C	Z	0	.25
102	MP2C	Mx	-.015	.25
103	MP2A	X	38.495	3.83
104	MP2A	Z	0	3.83
105	MP2A	Mx	.019	3.83
106	MP2B	X	57.23	3.83
107	MP2B	Z	0	3.83
108	MP2B	Mx	-.014	3.83
109	MP2C	X	57.23	3.83
110	MP2C	Z	0	3.83
111	MP2C	Mx	-.014	3.83
112	MP2A	X	11.924	2
113	MP2A	Z	0	2
114	MP2A	Mx	.006	2
115	MP2B	X	32.466	2
116	MP2B	Z	0	2
117	MP2B	Mx	-.008	2
118	MP2C	X	32.466	2
119	MP2C	Z	0	2
120	MP2C	Mx	-.008	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	67.271	.5
2	MP1A	Z	38.839	.5
3	MP1A	Mx	-.067	.5
4	MP1A	X	67.271	3.5
5	MP1A	Z	38.839	3.5
6	MP1A	Mx	-.067	3.5
7	MP1B	X	76.783	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1B	Z	44.33	.5
9	MP1B	Mx	1e-6	.5
10	MP1B	X	76.783	3.5
11	MP1B	Z	44.33	3.5
12	MP1B	Mx	1e-6	3.5
13	MP1C	X	67.271	.5
14	MP1C	Z	38.839	.5
15	MP1C	Mx	.067	.5
16	MP1C	X	67.271	3.5
17	MP1C	Z	38.839	3.5
18	MP1C	Mx	.067	3.5
19	MP4A	X	67.271	.5
20	MP4A	Z	38.839	.5
21	MP4A	Mx	-.067	.5
22	MP4A	X	67.271	3.5
23	MP4A	Z	38.839	3.5
24	MP4A	Mx	-.067	3.5
25	MP4B	X	76.783	.5
26	MP4B	Z	44.33	.5
27	MP4B	Mx	1e-6	.5
28	MP4B	X	76.783	3.5
29	MP4B	Z	44.33	3.5
30	MP4B	Mx	1e-6	3.5
31	MP4C	X	67.271	.5
32	MP4C	Z	38.839	.5
33	MP4C	Mx	.067	.5
34	MP4C	X	67.271	3.5
35	MP4C	Z	38.839	3.5
36	MP4C	Mx	.067	3.5
37	MP2A	X	55.947	.5
38	MP2A	Z	32.301	.5
39	MP2A	Mx	-.037	.5
40	MP2A	X	55.947	5
41	MP2A	Z	32.301	5
42	MP2A	Mx	-.037	5
43	MP2B	X	97.707	.5
44	MP2B	Z	56.411	.5
45	MP2B	Mx	-.066	.5
46	MP2B	X	97.707	5
47	MP2B	Z	56.411	5
48	MP2B	Mx	-.066	5
49	MP2C	X	55.947	.5
50	MP2C	Z	32.301	.5
51	MP2C	Mx	.075	.5
52	MP2C	X	55.947	5
53	MP2C	Z	32.301	5
54	MP2C	Mx	.075	5
55	MP2A	X	55.947	.5
56	MP2A	Z	32.301	.5
57	MP2A	Mx	-.075	.5
58	MP2A	X	55.947	5
59	MP2A	Z	32.301	5
60	MP2A	Mx	-.075	5
61	MP2B	X	97.707	.5
62	MP2B	Z	56.411	.5
63	MP2B	Mx	.066	.5
64	MP2B	X	97.707	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2B	Z	56.411	5
66	MP2B	Mx	.066	5
67	MP2C	X	55.947	.5
68	MP2C	Z	32.301	.5
69	MP2C	Mx	.037	.5
70	MP2C	X	55.947	5
71	MP2C	Z	32.301	5
72	MP2C	Mx	.037	5
73	MP3A	X	35.332	1.83
74	MP3A	Z	20.399	1.83
75	MP3A	Mx	-.035	1.83
76	MP3A	X	35.332	3.73
77	MP3A	Z	20.399	3.73
78	MP3A	Mx	-.035	3.73
79	MP3B	X	69.512	1.83
80	MP3B	Z	40.133	1.83
81	MP3B	Mx	0	1.83
82	MP3B	X	69.512	3.73
83	MP3B	Z	40.133	3.73
84	MP3B	Mx	0	3.73
85	MP3C	X	35.332	1.83
86	MP3C	Z	20.399	1.83
87	MP3C	Mx	.035	1.83
88	MP3C	X	35.332	3.73
89	MP3C	Z	20.399	3.73
90	MP3C	Mx	.035	3.73
91	MPSO	X	92.21	.5
92	MPSO	Z	53.237	.5
93	MPSO	Mx	.046	.5
94	MP2A	X	41.406	.25
95	MP2A	Z	23.906	.25
96	MP2A	Mx	.021	.25
97	MP2B	X	54.971	.25
98	MP2B	Z	31.738	.25
99	MP2B	Mx	0	.25
100	MP2C	X	41.406	.25
101	MP2C	Z	23.906	.25
102	MP2C	Mx	-.021	.25
103	MP2A	X	38.746	3.83
104	MP2A	Z	22.37	3.83
105	MP2A	Mx	.019	3.83
106	MP2B	X	54.971	3.83
107	MP2B	Z	31.738	3.83
108	MP2B	Mx	0	3.83
109	MP2C	X	38.746	3.83
110	MP2C	Z	22.37	3.83
111	MP2C	Mx	-.019	3.83
112	MP2A	X	16.257	2
113	MP2A	Z	9.386	2
114	MP2A	Mx	.008	2
115	MP2B	X	34.047	2
116	MP2B	Z	19.657	2
117	MP2B	Mx	0	2
118	MP2C	X	16.257	2
119	MP2C	Z	9.386	2
120	MP2C	Mx	-.008	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	42.5	.5
2	MP1A	Z	73.612	.5
3	MP1A	Mx	-.043	.5
4	MP1A	X	42.5	3.5
5	MP1A	Z	73.612	3.5
6	MP1A	Mx	-.043	3.5
7	MP1B	X	42.5	.5
8	MP1B	Z	73.612	.5
9	MP1B	Mx	-.043	.5
10	MP1B	X	42.5	3.5
11	MP1B	Z	73.612	3.5
12	MP1B	Mx	-.043	3.5
13	MP1C	X	37.008	.5
14	MP1C	Z	64.1	.5
15	MP1C	Mx	.074	.5
16	MP1C	X	37.008	3.5
17	MP1C	Z	64.1	3.5
18	MP1C	Mx	.074	3.5
19	MP4A	X	42.5	.5
20	MP4A	Z	73.612	.5
21	MP4A	Mx	-.043	.5
22	MP4A	X	42.5	3.5
23	MP4A	Z	73.612	3.5
24	MP4A	Mx	-.043	3.5
25	MP4B	X	42.5	.5
26	MP4B	Z	73.612	.5
27	MP4B	Mx	-.043	.5
28	MP4B	X	42.5	3.5
29	MP4B	Z	73.612	3.5
30	MP4B	Mx	-.043	3.5
31	MP4C	X	37.008	.5
32	MP4C	Z	64.1	.5
33	MP4C	Mx	.074	.5
34	MP4C	X	37.008	3.5
35	MP4C	Z	64.1	3.5
36	MP4C	Mx	.074	3.5
37	MP2A	X	48.374	.5
38	MP2A	Z	83.787	.5
39	MP2A	Mx	.000502	.5
40	MP2A	X	48.374	5
41	MP2A	Z	83.787	5
42	MP2A	Mx	.000502	5
43	MP2B	X	48.374	.5
44	MP2B	Z	83.787	.5
45	MP2B	Mx	-.097	.5
46	MP2B	X	48.374	5
47	MP2B	Z	83.787	5
48	MP2B	Mx	-.097	5
49	MP2C	X	24.264	.5
50	MP2C	Z	42.026	.5
51	MP2C	Mx	.049	.5
52	MP2C	X	24.264	5
53	MP2C	Z	42.026	5
54	MP2C	Mx	.049	5
55	MP2A	X	48.374	.5
56	MP2A	Z	83.787	.5
57	MP2A	Mx	-.097	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	48.374	5
59	MP2A	Z	83.787	5
60	MP2A	Mx	-.097	5
61	MP2B	X	48.374	.5
62	MP2B	Z	83.787	.5
63	MP2B	Mx	.000501	.5
64	MP2B	X	48.374	5
65	MP2B	Z	83.787	5
66	MP2B	Mx	.000501	5
67	MP2C	X	24.264	.5
68	MP2C	Z	42.026	.5
69	MP2C	Mx	.049	.5
70	MP2C	X	24.264	5
71	MP2C	Z	42.026	5
72	MP2C	Mx	.049	5
73	MP3A	X	33.555	1.83
74	MP3A	Z	58.119	1.83
75	MP3A	Mx	-.034	1.83
76	MP3A	X	33.555	3.73
77	MP3A	Z	58.119	3.73
78	MP3A	Mx	-.034	3.73
79	MP3B	X	33.555	1.83
80	MP3B	Z	58.119	1.83
81	MP3B	Mx	-.034	1.83
82	MP3B	X	33.555	3.73
83	MP3B	Z	58.119	3.73
84	MP3B	Mx	-.034	3.73
85	MP3C	X	13.821	1.83
86	MP3C	Z	23.939	1.83
87	MP3C	Mx	.028	1.83
88	MP3C	X	13.821	3.73
89	MP3C	Z	23.939	3.73
90	MP3C	Mx	.028	3.73
91	MPSO	X	61.018	.5
92	MPSO	Z	105.687	.5
93	MPSO	Mx	.031	.5
94	MP2A	X	29.127	.25
95	MP2A	Z	50.449	.25
96	MP2A	Mx	.015	.25
97	MP2B	X	29.127	.25
98	MP2B	Z	50.449	.25
99	MP2B	Mx	.015	.25
100	MP2C	X	21.295	.25
101	MP2C	Z	36.884	.25
102	MP2C	Mx	-.021	.25
103	MP2A	X	28.615	3.83
104	MP2A	Z	49.563	3.83
105	MP2A	Mx	.014	3.83
106	MP2B	X	28.615	3.83
107	MP2B	Z	49.563	3.83
108	MP2B	Mx	.014	3.83
109	MP2C	X	19.247	3.83
110	MP2C	Z	33.337	3.83
111	MP2C	Mx	-.019	3.83
112	MP2A	X	16.233	2
113	MP2A	Z	28.117	2
114	MP2A	Mx	.008	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2B	X	16.233	2
116	MP2B	Z	28.117	2
117	MP2B	Mx	.008	2
118	MP2C	X	5.962	2
119	MP2C	Z	10.327	2
120	MP2C	Mx	-.006	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	88.661	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	3.5
5	MP1A	Z	88.661	3.5
6	MP1A	Mx	0	3.5
7	MP1B	X	0	.5
8	MP1B	Z	77.678	.5
9	MP1B	Mx	-.067	.5
10	MP1B	X	0	3.5
11	MP1B	Z	77.678	3.5
12	MP1B	Mx	-.067	3.5
13	MP1C	X	0	.5
14	MP1C	Z	77.678	.5
15	MP1C	Mx	.067	.5
16	MP1C	X	0	3.5
17	MP1C	Z	77.678	3.5
18	MP1C	Mx	.067	3.5
19	MP4A	X	0	.5
20	MP4A	Z	88.661	.5
21	MP4A	Mx	0	.5
22	MP4A	X	0	3.5
23	MP4A	Z	88.661	3.5
24	MP4A	Mx	0	3.5
25	MP4B	X	0	.5
26	MP4B	Z	77.678	.5
27	MP4B	Mx	-.067	.5
28	MP4B	X	0	3.5
29	MP4B	Z	77.678	3.5
30	MP4B	Mx	-.067	3.5
31	MP4C	X	0	.5
32	MP4C	Z	77.678	.5
33	MP4C	Mx	.067	.5
34	MP4C	X	0	3.5
35	MP4C	Z	77.678	3.5
36	MP4C	Mx	.067	3.5
37	MP2A	X	0	.5
38	MP2A	Z	112.822	.5
39	MP2A	Mx	.066	.5
40	MP2A	X	0	5
41	MP2A	Z	112.822	5
42	MP2A	Mx	.066	5
43	MP2B	X	0	.5
44	MP2B	Z	64.602	.5
45	MP2B	Mx	-.075	.5
46	MP2B	X	0	5
47	MP2B	Z	64.602	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	-.075	5
49	MP2C	X	0	.5
50	MP2C	Z	64.602	.5
51	MP2C	Mx	.037	.5
52	MP2C	X	0	5
53	MP2C	Z	64.602	5
54	MP2C	Mx	.037	5
55	MP2A	X	0	.5
56	MP2A	Z	112.822	.5
57	MP2A	Mx	-.066	.5
58	MP2A	X	0	5
59	MP2A	Z	112.822	5
60	MP2A	Mx	-.066	5
61	MP2B	X	0	.5
62	MP2B	Z	64.602	.5
63	MP2B	Mx	-.037	.5
64	MP2B	X	0	5
65	MP2B	Z	64.602	5
66	MP2B	Mx	-.037	5
67	MP2C	X	0	.5
68	MP2C	Z	64.602	.5
69	MP2C	Mx	.075	.5
70	MP2C	X	0	5
71	MP2C	Z	64.602	5
72	MP2C	Mx	.075	5
73	MP3A	X	0	1.83
74	MP3A	Z	80.266	1.83
75	MP3A	Mx	0	1.83
76	MP3A	X	0	3.73
77	MP3A	Z	80.266	3.73
78	MP3A	Mx	0	3.73
79	MP3B	X	0	1.83
80	MP3B	Z	40.798	1.83
81	MP3B	Mx	-.035	1.83
82	MP3B	X	0	3.73
83	MP3B	Z	40.798	3.73
84	MP3B	Mx	-.035	3.73
85	MP3C	X	0	1.83
86	MP3C	Z	40.798	1.83
87	MP3C	Mx	.035	1.83
88	MP3C	X	0	3.73
89	MP3C	Z	40.798	3.73
90	MP3C	Mx	.035	3.73
91	MPSO	X	0	.5
92	MPSO	Z	129.817	.5
93	MPSO	Mx	0	.5
94	MP2A	X	0	.25
95	MP2A	Z	63.475	.25
96	MP2A	Mx	0	.25
97	MP2B	X	0	.25
98	MP2B	Z	47.811	.25
99	MP2B	Mx	.021	.25
100	MP2C	X	0	.25
101	MP2C	Z	47.811	.25
102	MP2C	Mx	-.021	.25
103	MP2A	X	0	3.83
104	MP2A	Z	63.475	3.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP2A	Mx	0	3.83
106	MP2B	X	0	3.83
107	MP2B	Z	44.74	3.83
108	MP2B	Mx	.019	3.83
109	MP2C	X	0	3.83
110	MP2C	Z	44.74	3.83
111	MP2C	Mx	-.019	3.83
112	MP2A	X	0	2
113	MP2A	Z	39.314	2
114	MP2A	Mx	0	2
115	MP2B	X	0	2
116	MP2B	Z	18.772	2
117	MP2B	Mx	.008	2
118	MP2C	X	0	2
119	MP2C	Z	18.772	2
120	MP2C	Mx	-.008	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-42.5	.5
2	MP1A	Z	73.612	.5
3	MP1A	Mx	.043	.5
4	MP1A	X	-42.5	3.5
5	MP1A	Z	73.612	3.5
6	MP1A	Mx	.043	3.5
7	MP1B	X	-37.008	.5
8	MP1B	Z	64.1	.5
9	MP1B	Mx	-.074	.5
10	MP1B	X	-37.008	3.5
11	MP1B	Z	64.1	3.5
12	MP1B	Mx	-.074	3.5
13	MP1C	X	-42.5	.5
14	MP1C	Z	73.612	.5
15	MP1C	Mx	.043	.5
16	MP1C	X	-42.5	3.5
17	MP1C	Z	73.612	3.5
18	MP1C	Mx	.043	3.5
19	MP4A	X	-42.5	.5
20	MP4A	Z	73.612	.5
21	MP4A	Mx	.043	.5
22	MP4A	X	-42.5	3.5
23	MP4A	Z	73.612	3.5
24	MP4A	Mx	.043	3.5
25	MP4B	X	-37.008	.5
26	MP4B	Z	64.1	.5
27	MP4B	Mx	-.074	.5
28	MP4B	X	-37.008	3.5
29	MP4B	Z	64.1	3.5
30	MP4B	Mx	-.074	3.5
31	MP4C	X	-42.5	.5
32	MP4C	Z	73.612	.5
33	MP4C	Mx	.043	.5
34	MP4C	X	-42.5	3.5
35	MP4C	Z	73.612	3.5
36	MP4C	Mx	.043	3.5
37	MP2A	X	-48.374	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2A	Z	83.787	.5
39	MP2A	Mx	.097	.5
40	MP2A	X	-48.374	5
41	MP2A	Z	83.787	5
42	MP2A	Mx	.097	5
43	MP2B	X	-24.264	.5
44	MP2B	Z	42.026	.5
45	MP2B	Mx	-.049	.5
46	MP2B	X	-24.264	5
47	MP2B	Z	42.026	5
48	MP2B	Mx	-.049	5
49	MP2C	X	-48.374	.5
50	MP2C	Z	83.787	.5
51	MP2C	Mx	-.000501	.5
52	MP2C	X	-48.374	5
53	MP2C	Z	83.787	5
54	MP2C	Mx	-.000501	5
55	MP2A	X	-48.374	.5
56	MP2A	Z	83.787	.5
57	MP2A	Mx	-.000502	.5
58	MP2A	X	-48.374	5
59	MP2A	Z	83.787	5
60	MP2A	Mx	-.000502	5
61	MP2B	X	-24.264	.5
62	MP2B	Z	42.026	.5
63	MP2B	Mx	-.049	.5
64	MP2B	X	-24.264	5
65	MP2B	Z	42.026	5
66	MP2B	Mx	-.049	5
67	MP2C	X	-48.374	.5
68	MP2C	Z	83.787	.5
69	MP2C	Mx	.097	.5
70	MP2C	X	-48.374	5
71	MP2C	Z	83.787	5
72	MP2C	Mx	.097	5
73	MP3A	X	-33.555	1.83
74	MP3A	Z	58.119	1.83
75	MP3A	Mx	.034	1.83
76	MP3A	X	-33.555	3.73
77	MP3A	Z	58.119	3.73
78	MP3A	Mx	.034	3.73
79	MP3B	X	-13.821	1.83
80	MP3B	Z	23.939	1.83
81	MP3B	Mx	-.028	1.83
82	MP3B	X	-13.821	3.73
83	MP3B	Z	23.939	3.73
84	MP3B	Mx	-.028	3.73
85	MP3C	X	-33.555	1.83
86	MP3C	Z	58.119	1.83
87	MP3C	Mx	.034	1.83
88	MP3C	X	-33.555	3.73
89	MP3C	Z	58.119	3.73
90	MP3C	Mx	.034	3.73
91	MPSO	X	-61.018	.5
92	MPSO	Z	105.687	.5
93	MPSO	Mx	-.031	.5
94	MP2A	X	-29.127	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2A	Z	50.449	.25
96	MP2A	Mx	-.015	.25
97	MP2B	X	-21.295	.25
98	MP2B	Z	36.884	.25
99	MP2B	Mx	.021	.25
100	MP2C	X	-29.127	.25
101	MP2C	Z	50.449	.25
102	MP2C	Mx	-.015	.25
103	MP2A	X	-28.615	3.83
104	MP2A	Z	49.563	3.83
105	MP2A	Mx	-.014	3.83
106	MP2B	X	-19.247	3.83
107	MP2B	Z	33.337	3.83
108	MP2B	Mx	.019	3.83
109	MP2C	X	-28.615	3.83
110	MP2C	Z	49.563	3.83
111	MP2C	Mx	-.014	3.83
112	MP2A	X	-16.233	2
113	MP2A	Z	28.117	2
114	MP2A	Mx	-.008	2
115	MP2B	X	-5.962	2
116	MP2B	Z	10.327	2
117	MP2B	Mx	.006	2
118	MP2C	X	-16.233	2
119	MP2C	Z	28.117	2
120	MP2C	Mx	-.008	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-67.271	.5
2	MP1A	Z	38.839	.5
3	MP1A	Mx	.067	.5
4	MP1A	X	-67.271	3.5
5	MP1A	Z	38.839	3.5
6	MP1A	Mx	.067	3.5
7	MP1B	X	-67.271	.5
8	MP1B	Z	38.839	.5
9	MP1B	Mx	-.067	.5
10	MP1B	X	-67.271	3.5
11	MP1B	Z	38.839	3.5
12	MP1B	Mx	-.067	3.5
13	MP1C	X	-76.783	.5
14	MP1C	Z	44.33	.5
15	MP1C	Mx	-1e-6	.5
16	MP1C	X	-76.783	3.5
17	MP1C	Z	44.33	3.5
18	MP1C	Mx	-1e-6	3.5
19	MP4A	X	-67.271	.5
20	MP4A	Z	38.839	.5
21	MP4A	Mx	.067	.5
22	MP4A	X	-67.271	3.5
23	MP4A	Z	38.839	3.5
24	MP4A	Mx	.067	3.5
25	MP4B	X	-67.271	.5
26	MP4B	Z	38.839	.5
27	MP4B	Mx	-.067	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4B	X	-67.271	3.5
29	MP4B	Z	38.839	3.5
30	MP4B	Mx	-.067	3.5
31	MP4C	X	-76.783	.5
32	MP4C	Z	44.33	.5
33	MP4C	Mx	-1e-6	.5
34	MP4C	X	-76.783	3.5
35	MP4C	Z	44.33	3.5
36	MP4C	Mx	-1e-6	3.5
37	MP2A	X	-55.947	.5
38	MP2A	Z	32.301	.5
39	MP2A	Mx	.075	.5
40	MP2A	X	-55.947	5
41	MP2A	Z	32.301	5
42	MP2A	Mx	.075	5
43	MP2B	X	-55.947	.5
44	MP2B	Z	32.301	.5
45	MP2B	Mx	-.037	.5
46	MP2B	X	-55.947	5
47	MP2B	Z	32.301	5
48	MP2B	Mx	-.037	5
49	MP2C	X	-97.707	.5
50	MP2C	Z	56.411	.5
51	MP2C	Mx	-.066	.5
52	MP2C	X	-97.707	5
53	MP2C	Z	56.411	5
54	MP2C	Mx	-.066	5
55	MP2A	X	-55.947	.5
56	MP2A	Z	32.301	.5
57	MP2A	Mx	.037	.5
58	MP2A	X	-55.947	5
59	MP2A	Z	32.301	5
60	MP2A	Mx	.037	5
61	MP2B	X	-55.947	.5
62	MP2B	Z	32.301	.5
63	MP2B	Mx	-.075	.5
64	MP2B	X	-55.947	5
65	MP2B	Z	32.301	5
66	MP2B	Mx	-.075	5
67	MP2C	X	-97.707	.5
68	MP2C	Z	56.411	.5
69	MP2C	Mx	.066	.5
70	MP2C	X	-97.707	5
71	MP2C	Z	56.411	5
72	MP2C	Mx	.066	5
73	MP3A	X	-35.332	1.83
74	MP3A	Z	20.399	1.83
75	MP3A	Mx	.035	1.83
76	MP3A	X	-35.332	3.73
77	MP3A	Z	20.399	3.73
78	MP3A	Mx	.035	3.73
79	MP3B	X	-35.332	1.83
80	MP3B	Z	20.399	1.83
81	MP3B	Mx	-.035	1.83
82	MP3B	X	-35.332	3.73
83	MP3B	Z	20.399	3.73
84	MP3B	Mx	-.035	3.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP3C	X	-69.512	1.83
86	MP3C	Z	40.133	1.83
87	MP3C	Mx	0	1.83
88	MP3C	X	-69.512	3.73
89	MP3C	Z	40.133	3.73
90	MP3C	Mx	0	3.73
91	MPSO	X	-92.21	.5
92	MPSO	Z	53.237	.5
93	MPSO	Mx	-.046	.5
94	MP2A	X	-41.406	.25
95	MP2A	Z	23.906	.25
96	MP2A	Mx	-.021	.25
97	MP2B	X	-41.406	.25
98	MP2B	Z	23.906	.25
99	MP2B	Mx	.021	.25
100	MP2C	X	-54.971	.25
101	MP2C	Z	31.738	.25
102	MP2C	Mx	0	.25
103	MP2A	X	-38.746	3.83
104	MP2A	Z	22.37	3.83
105	MP2A	Mx	-.019	3.83
106	MP2B	X	-38.746	3.83
107	MP2B	Z	22.37	3.83
108	MP2B	Mx	.019	3.83
109	MP2C	X	-54.971	3.83
110	MP2C	Z	31.738	3.83
111	MP2C	Mx	0	3.83
112	MP2A	X	-16.257	2
113	MP2A	Z	9.386	2
114	MP2A	Mx	-.008	2
115	MP2B	X	-16.257	2
116	MP2B	Z	9.386	2
117	MP2B	Mx	.008	2
118	MP2C	X	-34.047	2
119	MP2C	Z	19.657	2
120	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-74.017	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.074	.5
4	MP1A	X	-74.017	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	.074	3.5
7	MP1B	X	-85	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.043	.5
10	MP1B	X	-85	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	-.043	3.5
13	MP1C	X	-85	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.043	.5
16	MP1C	X	-85	3.5
17	MP1C	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	-.043	3.5
19	MP4A	X	-74.017	.5
20	MP4A	Z	0	.5
21	MP4A	Mx	.074	.5
22	MP4A	X	-74.017	3.5
23	MP4A	Z	0	3.5
24	MP4A	Mx	.074	3.5
25	MP4B	X	-85	.5
26	MP4B	Z	0	.5
27	MP4B	Mx	-.043	.5
28	MP4B	X	-85	3.5
29	MP4B	Z	0	3.5
30	MP4B	Mx	-.043	3.5
31	MP4C	X	-85	.5
32	MP4C	Z	0	.5
33	MP4C	Mx	-.043	.5
34	MP4C	X	-85	3.5
35	MP4C	Z	0	3.5
36	MP4C	Mx	-.043	3.5
37	MP2A	X	-48.528	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.049	.5
40	MP2A	X	-48.528	5
41	MP2A	Z	0	5
42	MP2A	Mx	.049	5
43	MP2B	X	-96.749	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.000501	.5
46	MP2B	X	-96.749	5
47	MP2B	Z	0	5
48	MP2B	Mx	.000501	5
49	MP2C	X	-96.749	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.097	.5
52	MP2C	X	-96.749	5
53	MP2C	Z	0	5
54	MP2C	Mx	-.097	5
55	MP2A	X	-48.528	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.049	.5
58	MP2A	X	-48.528	5
59	MP2A	Z	0	5
60	MP2A	Mx	.049	5
61	MP2B	X	-96.749	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	-.097	.5
64	MP2B	X	-96.749	5
65	MP2B	Z	0	5
66	MP2B	Mx	-.097	5
67	MP2C	X	-96.749	.5
68	MP2C	Z	0	.5
69	MP2C	Mx	.000501	.5
70	MP2C	X	-96.749	5
71	MP2C	Z	0	5
72	MP2C	Mx	.000501	5
73	MP3A	X	-27.643	1.83
74	MP3A	Z	0	1.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	.028	1.83
76	MP3A	X	-27.643	3.73
77	MP3A	Z	0	3.73
78	MP3A	Mx	.028	3.73
79	MP3B	X	-67.11	1.83
80	MP3B	Z	0	1.83
81	MP3B	Mx	-.034	1.83
82	MP3B	X	-67.11	3.73
83	MP3B	Z	0	3.73
84	MP3B	Mx	-.034	3.73
85	MP3C	X	-67.11	1.83
86	MP3C	Z	0	1.83
87	MP3C	Mx	-.034	1.83
88	MP3C	X	-67.11	3.73
89	MP3C	Z	0	3.73
90	MP3C	Mx	-.034	3.73
91	MPSO	X	-98.694	.5
92	MPSO	Z	0	.5
93	MPSO	Mx	-.049	.5
94	MP2A	X	-42.59	.25
95	MP2A	Z	0	.25
96	MP2A	Mx	-.021	.25
97	MP2B	X	-58.254	.25
98	MP2B	Z	0	.25
99	MP2B	Mx	.015	.25
100	MP2C	X	-58.254	.25
101	MP2C	Z	0	.25
102	MP2C	Mx	.015	.25
103	MP2A	X	-38.495	3.83
104	MP2A	Z	0	3.83
105	MP2A	Mx	-.019	3.83
106	MP2B	X	-57.23	3.83
107	MP2B	Z	0	3.83
108	MP2B	Mx	.014	3.83
109	MP2C	X	-57.23	3.83
110	MP2C	Z	0	3.83
111	MP2C	Mx	.014	3.83
112	MP2A	X	-11.924	2
113	MP2A	Z	0	2
114	MP2A	Mx	-.006	2
115	MP2B	X	-32.466	2
116	MP2B	Z	0	2
117	MP2B	Mx	.008	2
118	MP2C	X	-32.466	2
119	MP2C	Z	0	2
120	MP2C	Mx	.008	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-67.271	.5
2	MP1A	Z	-38.839	.5
3	MP1A	Mx	.067	.5
4	MP1A	X	-67.271	3.5
5	MP1A	Z	-38.839	3.5
6	MP1A	Mx	.067	3.5
7	MP1B	X	-76.783	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1B	Z	-44.33	.5
9	MP1B	Mx	-1e-6	.5
10	MP1B	X	-76.783	3.5
11	MP1B	Z	-44.33	3.5
12	MP1B	Mx	-1e-6	3.5
13	MP1C	X	-67.271	.5
14	MP1C	Z	-38.839	.5
15	MP1C	Mx	-.067	.5
16	MP1C	X	-67.271	3.5
17	MP1C	Z	-38.839	3.5
18	MP1C	Mx	-.067	3.5
19	MP4A	X	-67.271	.5
20	MP4A	Z	-38.839	.5
21	MP4A	Mx	.067	.5
22	MP4A	X	-67.271	3.5
23	MP4A	Z	-38.839	3.5
24	MP4A	Mx	.067	3.5
25	MP4B	X	-76.783	.5
26	MP4B	Z	-44.33	.5
27	MP4B	Mx	-1e-6	.5
28	MP4B	X	-76.783	3.5
29	MP4B	Z	-44.33	3.5
30	MP4B	Mx	-1e-6	3.5
31	MP4C	X	-67.271	.5
32	MP4C	Z	-38.839	.5
33	MP4C	Mx	-.067	.5
34	MP4C	X	-67.271	3.5
35	MP4C	Z	-38.839	3.5
36	MP4C	Mx	-.067	3.5
37	MP2A	X	-55.947	.5
38	MP2A	Z	-32.301	.5
39	MP2A	Mx	.037	.5
40	MP2A	X	-55.947	5
41	MP2A	Z	-32.301	5
42	MP2A	Mx	.037	5
43	MP2B	X	-97.707	.5
44	MP2B	Z	-56.411	.5
45	MP2B	Mx	.066	.5
46	MP2B	X	-97.707	5
47	MP2B	Z	-56.411	5
48	MP2B	Mx	.066	5
49	MP2C	X	-55.947	.5
50	MP2C	Z	-32.301	.5
51	MP2C	Mx	-.075	.5
52	MP2C	X	-55.947	5
53	MP2C	Z	-32.301	5
54	MP2C	Mx	-.075	5
55	MP2A	X	-55.947	.5
56	MP2A	Z	-32.301	.5
57	MP2A	Mx	.075	.5
58	MP2A	X	-55.947	5
59	MP2A	Z	-32.301	5
60	MP2A	Mx	.075	5
61	MP2B	X	-97.707	.5
62	MP2B	Z	-56.411	.5
63	MP2B	Mx	-.066	.5
64	MP2B	X	-97.707	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2B	Z	-56.411	5
66	MP2B	Mx	-.066	5
67	MP2C	X	-55.947	.5
68	MP2C	Z	-32.301	.5
69	MP2C	Mx	-.037	.5
70	MP2C	X	-55.947	5
71	MP2C	Z	-32.301	5
72	MP2C	Mx	-.037	5
73	MP3A	X	-35.332	1.83
74	MP3A	Z	-20.399	1.83
75	MP3A	Mx	.035	1.83
76	MP3A	X	-35.332	3.73
77	MP3A	Z	-20.399	3.73
78	MP3A	Mx	.035	3.73
79	MP3B	X	-69.512	1.83
80	MP3B	Z	-40.133	1.83
81	MP3B	Mx	0	1.83
82	MP3B	X	-69.512	3.73
83	MP3B	Z	-40.133	3.73
84	MP3B	Mx	0	3.73
85	MP3C	X	-35.332	1.83
86	MP3C	Z	-20.399	1.83
87	MP3C	Mx	-.035	1.83
88	MP3C	X	-35.332	3.73
89	MP3C	Z	-20.399	3.73
90	MP3C	Mx	-.035	3.73
91	MPSO	X	-92.21	.5
92	MPSO	Z	-53.237	.5
93	MPSO	Mx	-.046	.5
94	MP2A	X	-41.406	.25
95	MP2A	Z	-23.906	.25
96	MP2A	Mx	-.021	.25
97	MP2B	X	-54.971	.25
98	MP2B	Z	-31.738	.25
99	MP2B	Mx	0	.25
100	MP2C	X	-41.406	.25
101	MP2C	Z	-23.906	.25
102	MP2C	Mx	.021	.25
103	MP2A	X	-38.746	3.83
104	MP2A	Z	-22.37	3.83
105	MP2A	Mx	-.019	3.83
106	MP2B	X	-54.971	3.83
107	MP2B	Z	-31.738	3.83
108	MP2B	Mx	0	3.83
109	MP2C	X	-38.746	3.83
110	MP2C	Z	-22.37	3.83
111	MP2C	Mx	.019	3.83
112	MP2A	X	-16.257	2
113	MP2A	Z	-9.386	2
114	MP2A	Mx	-.008	2
115	MP2B	X	-34.047	2
116	MP2B	Z	-19.657	2
117	MP2B	Mx	0	2
118	MP2C	X	-16.257	2
119	MP2C	Z	-9.386	2
120	MP2C	Mx	.008	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-42.5	.5
2	MP1A	Z	-73.612	.5
3	MP1A	Mx	.043	.5
4	MP1A	X	-42.5	3.5
5	MP1A	Z	-73.612	3.5
6	MP1A	Mx	.043	3.5
7	MP1B	X	-42.5	.5
8	MP1B	Z	-73.612	.5
9	MP1B	Mx	.043	.5
10	MP1B	X	-42.5	3.5
11	MP1B	Z	-73.612	3.5
12	MP1B	Mx	.043	3.5
13	MP1C	X	-37.008	.5
14	MP1C	Z	-64.1	.5
15	MP1C	Mx	-.074	.5
16	MP1C	X	-37.008	3.5
17	MP1C	Z	-64.1	3.5
18	MP1C	Mx	-.074	3.5
19	MP4A	X	-42.5	.5
20	MP4A	Z	-73.612	.5
21	MP4A	Mx	.043	.5
22	MP4A	X	-42.5	3.5
23	MP4A	Z	-73.612	3.5
24	MP4A	Mx	.043	3.5
25	MP4B	X	-42.5	.5
26	MP4B	Z	-73.612	.5
27	MP4B	Mx	.043	.5
28	MP4B	X	-42.5	3.5
29	MP4B	Z	-73.612	3.5
30	MP4B	Mx	.043	3.5
31	MP4C	X	-37.008	.5
32	MP4C	Z	-64.1	.5
33	MP4C	Mx	-.074	.5
34	MP4C	X	-37.008	3.5
35	MP4C	Z	-64.1	3.5
36	MP4C	Mx	-.074	3.5
37	MP2A	X	-48.374	.5
38	MP2A	Z	-83.787	.5
39	MP2A	Mx	-.000502	.5
40	MP2A	X	-48.374	5
41	MP2A	Z	-83.787	5
42	MP2A	Mx	-.000502	5
43	MP2B	X	-48.374	.5
44	MP2B	Z	-83.787	.5
45	MP2B	Mx	.097	.5
46	MP2B	X	-48.374	5
47	MP2B	Z	-83.787	5
48	MP2B	Mx	.097	5
49	MP2C	X	-24.264	.5
50	MP2C	Z	-42.026	.5
51	MP2C	Mx	-.049	.5
52	MP2C	X	-24.264	5
53	MP2C	Z	-42.026	5
54	MP2C	Mx	-.049	5
55	MP2A	X	-48.374	.5
56	MP2A	Z	-83.787	.5
57	MP2A	Mx	.097	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-48.374	5
59	MP2A	Z	-83.787	5
60	MP2A	Mx	.097	5
61	MP2B	X	-48.374	.5
62	MP2B	Z	-83.787	.5
63	MP2B	Mx	-.000501	.5
64	MP2B	X	-48.374	5
65	MP2B	Z	-83.787	5
66	MP2B	Mx	-.000501	5
67	MP2C	X	-24.264	.5
68	MP2C	Z	-42.026	.5
69	MP2C	Mx	-.049	.5
70	MP2C	X	-24.264	5
71	MP2C	Z	-42.026	5
72	MP2C	Mx	-.049	5
73	MP3A	X	-33.555	1.83
74	MP3A	Z	-58.119	1.83
75	MP3A	Mx	.034	1.83
76	MP3A	X	-33.555	3.73
77	MP3A	Z	-58.119	3.73
78	MP3A	Mx	.034	3.73
79	MP3B	X	-33.555	1.83
80	MP3B	Z	-58.119	1.83
81	MP3B	Mx	.034	1.83
82	MP3B	X	-33.555	3.73
83	MP3B	Z	-58.119	3.73
84	MP3B	Mx	.034	3.73
85	MP3C	X	-13.821	1.83
86	MP3C	Z	-23.939	1.83
87	MP3C	Mx	-.028	1.83
88	MP3C	X	-13.821	3.73
89	MP3C	Z	-23.939	3.73
90	MP3C	Mx	-.028	3.73
91	MPSO	X	-61.018	.5
92	MPSO	Z	-105.687	.5
93	MPSO	Mx	-.031	.5
94	MP2A	X	-29.127	.25
95	MP2A	Z	-50.449	.25
96	MP2A	Mx	-.015	.25
97	MP2B	X	-29.127	.25
98	MP2B	Z	-50.449	.25
99	MP2B	Mx	-.015	.25
100	MP2C	X	-21.295	.25
101	MP2C	Z	-36.884	.25
102	MP2C	Mx	.021	.25
103	MP2A	X	-28.615	3.83
104	MP2A	Z	-49.563	3.83
105	MP2A	Mx	-.014	3.83
106	MP2B	X	-28.615	3.83
107	MP2B	Z	-49.563	3.83
108	MP2B	Mx	-.014	3.83
109	MP2C	X	-19.247	3.83
110	MP2C	Z	-33.337	3.83
111	MP2C	Mx	.019	3.83
112	MP2A	X	-16.233	2
113	MP2A	Z	-28.117	2
114	MP2A	Mx	-.008	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2B	X	-16.233	2
116	MP2B	Z	-28.117	2
117	MP2B	Mx	-.008	2
118	MP2C	X	-5.962	2
119	MP2C	Z	-10.327	2
120	MP2C	Mx	.006	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-17.568	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	3.5
5	MP1A	Z	-17.568	3.5
6	MP1A	Mx	0	3.5
7	MP1B	X	0	.5
8	MP1B	Z	-15.542	.5
9	MP1B	Mx	.013	.5
10	MP1B	X	0	3.5
11	MP1B	Z	-15.542	3.5
12	MP1B	Mx	.013	3.5
13	MP1C	X	0	.5
14	MP1C	Z	-15.542	.5
15	MP1C	Mx	-.013	.5
16	MP1C	X	0	3.5
17	MP1C	Z	-15.542	3.5
18	MP1C	Mx	-.013	3.5
19	MP4A	X	0	.5
20	MP4A	Z	-17.568	.5
21	MP4A	Mx	0	.5
22	MP4A	X	0	3.5
23	MP4A	Z	-17.568	3.5
24	MP4A	Mx	0	3.5
25	MP4B	X	0	.5
26	MP4B	Z	-15.542	.5
27	MP4B	Mx	.013	.5
28	MP4B	X	0	3.5
29	MP4B	Z	-15.542	3.5
30	MP4B	Mx	.013	3.5
31	MP4C	X	0	.5
32	MP4C	Z	-15.542	.5
33	MP4C	Mx	-.013	.5
34	MP4C	X	0	3.5
35	MP4C	Z	-15.542	3.5
36	MP4C	Mx	-.013	3.5
37	MP2A	X	0	.5
38	MP2A	Z	-31.969	.5
39	MP2A	Mx	-.019	.5
40	MP2A	X	0	5
41	MP2A	Z	-31.969	5
42	MP2A	Mx	-.019	5
43	MP2B	X	0	.5
44	MP2B	Z	-24.524	.5
45	MP2B	Mx	.028	.5
46	MP2B	X	0	5
47	MP2B	Z	-24.524	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	.028	5
49	MP2C	X	0	.5
50	MP2C	Z	-24.524	.5
51	MP2C	Mx	-.014	.5
52	MP2C	X	0	5
53	MP2C	Z	-24.524	5
54	MP2C	Mx	-.014	5
55	MP2A	X	0	.5
56	MP2A	Z	-31.969	.5
57	MP2A	Mx	.019	.5
58	MP2A	X	0	5
59	MP2A	Z	-31.969	5
60	MP2A	Mx	.019	5
61	MP2B	X	0	.5
62	MP2B	Z	-24.524	.5
63	MP2B	Mx	.014	.5
64	MP2B	X	0	5
65	MP2B	Z	-24.524	5
66	MP2B	Mx	.014	5
67	MP2C	X	0	.5
68	MP2C	Z	-24.524	.5
69	MP2C	Mx	-.028	.5
70	MP2C	X	0	5
71	MP2C	Z	-24.524	5
72	MP2C	Mx	-.028	5
73	MP3A	X	0	1.83
74	MP3A	Z	-18.861	1.83
75	MP3A	Mx	0	1.83
76	MP3A	X	0	3.73
77	MP3A	Z	-18.861	3.73
78	MP3A	Mx	0	3.73
79	MP3B	X	0	1.83
80	MP3B	Z	-10.738	1.83
81	MP3B	Mx	.009	1.83
82	MP3B	X	0	3.73
83	MP3B	Z	-10.738	3.73
84	MP3B	Mx	.009	3.73
85	MP3C	X	0	1.83
86	MP3C	Z	-10.738	1.83
87	MP3C	Mx	-.009	1.83
88	MP3C	X	0	3.73
89	MP3C	Z	-10.738	3.73
90	MP3C	Mx	-.009	3.73
91	MPSO	X	0	.5
92	MPSO	Z	-32.667	.5
93	MPSO	Mx	0	.5
94	MP2A	X	0	.25
95	MP2A	Z	-15.891	.25
96	MP2A	Mx	0	.25
97	MP2B	X	0	.25
98	MP2B	Z	-12.261	.25
99	MP2B	Mx	-.005	.25
100	MP2C	X	0	.25
101	MP2C	Z	-12.261	.25
102	MP2C	Mx	.005	.25
103	MP2A	X	0	3.83
104	MP2A	Z	-15.891	3.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP2A	Mx	0	3.83
106	MP2B	X	0	3.83
107	MP2B	Z	-11.608	3.83
108	MP2B	Mx	-.005	3.83
109	MP2C	X	0	3.83
110	MP2C	Z	-11.608	3.83
111	MP2C	Mx	.005	3.83
112	MP2A	X	0	2
113	MP2A	Z	-8.732	2
114	MP2A	Mx	0	2
115	MP2B	X	0	2
116	MP2B	Z	-4.647	2
117	MP2B	Mx	-.002	2
118	MP2C	X	0	2
119	MP2C	Z	-4.647	2
120	MP2C	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.446	.5
2	MP1A	Z	-14.629	.5
3	MP1A	Mx	-.008	.5
4	MP1A	X	8.446	3.5
5	MP1A	Z	-14.629	3.5
6	MP1A	Mx	-.008	3.5
7	MP1B	X	7.433	.5
8	MP1B	Z	-12.875	.5
9	MP1B	Mx	.015	.5
10	MP1B	X	7.433	3.5
11	MP1B	Z	-12.875	3.5
12	MP1B	Mx	.015	3.5
13	MP1C	X	8.446	.5
14	MP1C	Z	-14.629	.5
15	MP1C	Mx	-.008	.5
16	MP1C	X	8.446	3.5
17	MP1C	Z	-14.629	3.5
18	MP1C	Mx	-.008	3.5
19	MP4A	X	8.446	.5
20	MP4A	Z	-14.629	.5
21	MP4A	Mx	-.008	.5
22	MP4A	X	8.446	3.5
23	MP4A	Z	-14.629	3.5
24	MP4A	Mx	-.008	3.5
25	MP4B	X	7.433	.5
26	MP4B	Z	-12.875	.5
27	MP4B	Mx	.015	.5
28	MP4B	X	7.433	3.5
29	MP4B	Z	-12.875	3.5
30	MP4B	Mx	.015	3.5
31	MP4C	X	8.446	.5
32	MP4C	Z	-14.629	.5
33	MP4C	Mx	-.008	.5
34	MP4C	X	8.446	3.5
35	MP4C	Z	-14.629	3.5
36	MP4C	Mx	-.008	3.5
37	MP2A	X	14.744	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2A	Z	-25.537	.5
39	MP2A	Mx	-.03	.5
40	MP2A	X	14.744	5
41	MP2A	Z	-25.537	5
42	MP2A	Mx	-.03	5
43	MP2B	X	11.021	.5
44	MP2B	Z	-19.089	.5
45	MP2B	Mx	.022	.5
46	MP2B	X	11.021	5
47	MP2B	Z	-19.089	5
48	MP2B	Mx	.022	5
49	MP2C	X	14.744	.5
50	MP2C	Z	-25.537	.5
51	MP2C	Mx	.000153	.5
52	MP2C	X	14.744	5
53	MP2C	Z	-25.537	5
54	MP2C	Mx	.000153	5
55	MP2A	X	14.744	.5
56	MP2A	Z	-25.537	.5
57	MP2A	Mx	.000153	.5
58	MP2A	X	14.744	5
59	MP2A	Z	-25.537	5
60	MP2A	Mx	.000153	5
61	MP2B	X	11.021	.5
62	MP2B	Z	-19.089	.5
63	MP2B	Mx	.022	.5
64	MP2B	X	11.021	5
65	MP2B	Z	-19.089	5
66	MP2B	Mx	.022	5
67	MP2C	X	14.744	.5
68	MP2C	Z	-25.537	.5
69	MP2C	Mx	-.03	.5
70	MP2C	X	14.744	5
71	MP2C	Z	-25.537	5
72	MP2C	Mx	-.03	5
73	MP3A	X	8.077	1.83
74	MP3A	Z	-13.989	1.83
75	MP3A	Mx	-.008	1.83
76	MP3A	X	8.077	3.73
77	MP3A	Z	-13.989	3.73
78	MP3A	Mx	-.008	3.73
79	MP3B	X	4.015	1.83
80	MP3B	Z	-6.954	1.83
81	MP3B	Mx	.008	1.83
82	MP3B	X	4.015	3.73
83	MP3B	Z	-6.954	3.73
84	MP3B	Mx	.008	3.73
85	MP3C	X	8.077	1.83
86	MP3C	Z	-13.989	1.83
87	MP3C	Mx	-.008	1.83
88	MP3C	X	8.077	3.73
89	MP3C	Z	-13.989	3.73
90	MP3C	Mx	-.008	3.73
91	MPSO	X	15.443	.5
92	MPSO	Z	-26.748	.5
93	MPSO	Mx	.008	.5
94	MP2A	X	7.34	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2A	Z	-12.714	.25
96	MP2A	Mx	.004	.25
97	MP2B	X	5.525	.25
98	MP2B	Z	-9.57	.25
99	MP2B	Mx	-.006	.25
100	MP2C	X	7.34	.25
101	MP2C	Z	-12.714	.25
102	MP2C	Mx	.004	.25
103	MP2A	X	7.232	3.83
104	MP2A	Z	-12.525	3.83
105	MP2A	Mx	.004	3.83
106	MP2B	X	5.09	3.83
107	MP2B	Z	-8.816	3.83
108	MP2B	Mx	-.005	3.83
109	MP2C	X	7.232	3.83
110	MP2C	Z	-12.525	3.83
111	MP2C	Mx	.004	3.83
112	MP2A	X	3.685	2
113	MP2A	Z	-6.383	2
114	MP2A	Mx	.002	2
115	MP2B	X	1.643	2
116	MP2B	Z	-2.845	2
117	MP2B	Mx	-.002	2
118	MP2C	X	3.685	2
119	MP2C	Z	-6.383	2
120	MP2C	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	13.46	.5
2	MP1A	Z	-7.771	.5
3	MP1A	Mx	-.013	.5
4	MP1A	X	13.46	3.5
5	MP1A	Z	-7.771	3.5
6	MP1A	Mx	-.013	3.5
7	MP1B	X	13.46	.5
8	MP1B	Z	-7.771	.5
9	MP1B	Mx	.013	.5
10	MP1B	X	13.46	3.5
11	MP1B	Z	-7.771	3.5
12	MP1B	Mx	.013	3.5
13	MP1C	X	15.214	.5
14	MP1C	Z	-8.784	.5
15	MP1C	Mx	0	.5
16	MP1C	X	15.214	3.5
17	MP1C	Z	-8.784	3.5
18	MP1C	Mx	0	3.5
19	MP4A	X	13.46	.5
20	MP4A	Z	-7.771	.5
21	MP4A	Mx	-.013	.5
22	MP4A	X	13.46	3.5
23	MP4A	Z	-7.771	3.5
24	MP4A	Mx	-.013	3.5
25	MP4B	X	13.46	.5
26	MP4B	Z	-7.771	.5
27	MP4B	Mx	.013	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4B	X	13.46	3.5
29	MP4B	Z	-7.771	3.5
30	MP4B	Mx	.013	3.5
31	MP4C	X	15.214	.5
32	MP4C	Z	-8.784	.5
33	MP4C	Mx	0	.5
34	MP4C	X	15.214	3.5
35	MP4C	Z	-8.784	3.5
36	MP4C	Mx	0	3.5
37	MP2A	X	21.238	.5
38	MP2A	Z	-12.262	.5
39	MP2A	Mx	-.028	.5
40	MP2A	X	21.238	5
41	MP2A	Z	-12.262	5
42	MP2A	Mx	-.028	5
43	MP2B	X	21.238	.5
44	MP2B	Z	-12.262	.5
45	MP2B	Mx	.014	.5
46	MP2B	X	21.238	5
47	MP2B	Z	-12.262	5
48	MP2B	Mx	.014	5
49	MP2C	X	27.686	.5
50	MP2C	Z	-15.984	.5
51	MP2C	Mx	.019	.5
52	MP2C	X	27.686	5
53	MP2C	Z	-15.984	5
54	MP2C	Mx	.019	5
55	MP2A	X	21.238	.5
56	MP2A	Z	-12.262	.5
57	MP2A	Mx	-.014	.5
58	MP2A	X	21.238	5
59	MP2A	Z	-12.262	5
60	MP2A	Mx	-.014	5
61	MP2B	X	21.238	.5
62	MP2B	Z	-12.262	.5
63	MP2B	Mx	.028	.5
64	MP2B	X	21.238	5
65	MP2B	Z	-12.262	5
66	MP2B	Mx	.028	5
67	MP2C	X	27.686	.5
68	MP2C	Z	-15.984	.5
69	MP2C	Mx	-.019	.5
70	MP2C	X	27.686	5
71	MP2C	Z	-15.984	5
72	MP2C	Mx	-.019	5
73	MP3A	X	9.299	1.83
74	MP3A	Z	-5.369	1.83
75	MP3A	Mx	-.009	1.83
76	MP3A	X	9.299	3.73
77	MP3A	Z	-5.369	3.73
78	MP3A	Mx	-.009	3.73
79	MP3B	X	9.299	1.83
80	MP3B	Z	-5.369	1.83
81	MP3B	Mx	.009	1.83
82	MP3B	X	9.299	3.73
83	MP3B	Z	-5.369	3.73
84	MP3B	Mx	.009	3.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP3C	X	16.334	1.83
86	MP3C	Z	-9.431	1.83
87	MP3C	Mx	0	1.83
88	MP3C	X	16.334	3.73
89	MP3C	Z	-9.431	3.73
90	MP3C	Mx	0	3.73
91	MPSO	X	23.663	.5
92	MPSO	Z	-13.662	.5
93	MPSO	Mx	.012	.5
94	MP2A	X	10.618	.25
95	MP2A	Z	-6.13	.25
96	MP2A	Mx	.005	.25
97	MP2B	X	10.618	.25
98	MP2B	Z	-6.13	.25
99	MP2B	Mx	-.005	.25
100	MP2C	X	13.762	.25
101	MP2C	Z	-7.945	.25
102	MP2C	Mx	0	.25
103	MP2A	X	10.052	3.83
104	MP2A	Z	-5.804	3.83
105	MP2A	Mx	.005	3.83
106	MP2B	X	10.052	3.83
107	MP2B	Z	-5.804	3.83
108	MP2B	Mx	-.005	3.83
109	MP2C	X	13.762	3.83
110	MP2C	Z	-7.945	3.83
111	MP2C	Mx	0	3.83
112	MP2A	X	4.025	2
113	MP2A	Z	-2.324	2
114	MP2A	Mx	.002	2
115	MP2B	X	4.025	2
116	MP2B	Z	-2.324	2
117	MP2B	Mx	-.002	2
118	MP2C	X	7.562	2
119	MP2C	Z	-4.366	2
120	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	14.866	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.015	.5
4	MP1A	X	14.866	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	-.015	3.5
7	MP1B	X	16.893	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.008	.5
10	MP1B	X	16.893	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	.008	3.5
13	MP1C	X	16.893	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.008	.5
16	MP1C	X	16.893	3.5
17	MP1C	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	.008	3.5
19	MP4A	X	14.866	.5
20	MP4A	Z	0	.5
21	MP4A	Mx	-.015	.5
22	MP4A	X	14.866	3.5
23	MP4A	Z	0	3.5
24	MP4A	Mx	-.015	3.5
25	MP4B	X	16.893	.5
26	MP4B	Z	0	.5
27	MP4B	Mx	.008	.5
28	MP4B	X	16.893	3.5
29	MP4B	Z	0	3.5
30	MP4B	Mx	.008	3.5
31	MP4C	X	16.893	.5
32	MP4C	Z	0	.5
33	MP4C	Mx	.008	.5
34	MP4C	X	16.893	3.5
35	MP4C	Z	0	3.5
36	MP4C	Mx	.008	3.5
37	MP2A	X	22.042	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.022	.5
40	MP2A	X	22.042	5
41	MP2A	Z	0	5
42	MP2A	Mx	-.022	5
43	MP2B	X	29.487	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.000153	.5
46	MP2B	X	29.487	5
47	MP2B	Z	0	5
48	MP2B	Mx	-.000153	5
49	MP2C	X	29.487	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.03	.5
52	MP2C	X	29.487	5
53	MP2C	Z	0	5
54	MP2C	Mx	.03	5
55	MP2A	X	22.042	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.022	.5
58	MP2A	X	22.042	5
59	MP2A	Z	0	5
60	MP2A	Mx	-.022	5
61	MP2B	X	29.487	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	.03	.5
64	MP2B	X	29.487	5
65	MP2B	Z	0	5
66	MP2B	Mx	.03	5
67	MP2C	X	29.487	.5
68	MP2C	Z	0	.5
69	MP2C	Mx	-.000153	.5
70	MP2C	X	29.487	5
71	MP2C	Z	0	5
72	MP2C	Mx	-.000153	5
73	MP3A	X	8.03	1.83
74	MP3A	Z	0	1.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	-.008	1.83
76	MP3A	X	8.03	3.73
77	MP3A	Z	0	3.73
78	MP3A	Mx	-.008	3.73
79	MP3B	X	16.153	1.83
80	MP3B	Z	0	1.83
81	MP3B	Mx	.008	1.83
82	MP3B	X	16.153	3.73
83	MP3B	Z	0	3.73
84	MP3B	Mx	.008	3.73
85	MP3C	X	16.153	1.83
86	MP3C	Z	0	1.83
87	MP3C	Mx	.008	1.83
88	MP3C	X	16.153	3.73
89	MP3C	Z	0	3.73
90	MP3C	Mx	.008	3.73
91	MPSO	X	25.542	.5
92	MPSO	Z	0	.5
93	MPSO	Mx	.013	.5
94	MP2A	X	11.051	.25
95	MP2A	Z	0	.25
96	MP2A	Mx	.006	.25
97	MP2B	X	14.681	.25
98	MP2B	Z	0	.25
99	MP2B	Mx	-.004	.25
100	MP2C	X	14.681	.25
101	MP2C	Z	0	.25
102	MP2C	Mx	-.004	.25
103	MP2A	X	10.18	3.83
104	MP2A	Z	0	3.83
105	MP2A	Mx	.005	3.83
106	MP2B	X	14.463	3.83
107	MP2B	Z	0	3.83
108	MP2B	Mx	-.004	3.83
109	MP2C	X	14.463	3.83
110	MP2C	Z	0	3.83
111	MP2C	Mx	-.004	3.83
112	MP2A	X	3.286	2
113	MP2A	Z	0	2
114	MP2A	Mx	.002	2
115	MP2B	X	7.37	2
116	MP2B	Z	0	2
117	MP2B	Mx	-.002	2
118	MP2C	X	7.37	2
119	MP2C	Z	0	2
120	MP2C	Mx	-.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	13.46	.5
2	MP1A	Z	7.771	.5
3	MP1A	Mx	-.013	.5
4	MP1A	X	13.46	3.5
5	MP1A	Z	7.771	3.5
6	MP1A	Mx	-.013	3.5
7	MP1B	X	15.214	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1B	Z	8.784	.5
9	MP1B	Mx	0	.5
10	MP1B	X	15.214	3.5
11	MP1B	Z	8.784	3.5
12	MP1B	Mx	0	3.5
13	MP1C	X	13.46	.5
14	MP1C	Z	7.771	.5
15	MP1C	Mx	.013	.5
16	MP1C	X	13.46	3.5
17	MP1C	Z	7.771	3.5
18	MP1C	Mx	.013	3.5
19	MP4A	X	13.46	.5
20	MP4A	Z	7.771	.5
21	MP4A	Mx	-.013	.5
22	MP4A	X	13.46	3.5
23	MP4A	Z	7.771	3.5
24	MP4A	Mx	-.013	3.5
25	MP4B	X	15.214	.5
26	MP4B	Z	8.784	.5
27	MP4B	Mx	0	.5
28	MP4B	X	15.214	3.5
29	MP4B	Z	8.784	3.5
30	MP4B	Mx	0	3.5
31	MP4C	X	13.46	.5
32	MP4C	Z	7.771	.5
33	MP4C	Mx	.013	.5
34	MP4C	X	13.46	3.5
35	MP4C	Z	7.771	3.5
36	MP4C	Mx	.013	3.5
37	MP2A	X	21.238	.5
38	MP2A	Z	12.262	.5
39	MP2A	Mx	-.014	.5
40	MP2A	X	21.238	5
41	MP2A	Z	12.262	5
42	MP2A	Mx	-.014	5
43	MP2B	X	27.686	.5
44	MP2B	Z	15.984	.5
45	MP2B	Mx	-.019	.5
46	MP2B	X	27.686	5
47	MP2B	Z	15.984	5
48	MP2B	Mx	-.019	5
49	MP2C	X	21.238	.5
50	MP2C	Z	12.262	.5
51	MP2C	Mx	.028	.5
52	MP2C	X	21.238	5
53	MP2C	Z	12.262	5
54	MP2C	Mx	.028	5
55	MP2A	X	21.238	.5
56	MP2A	Z	12.262	.5
57	MP2A	Mx	-.028	.5
58	MP2A	X	21.238	5
59	MP2A	Z	12.262	5
60	MP2A	Mx	-.028	5
61	MP2B	X	27.686	.5
62	MP2B	Z	15.984	.5
63	MP2B	Mx	.019	.5
64	MP2B	X	27.686	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2B	Z	15.984	5
66	MP2B	Mx	.019	5
67	MP2C	X	21.238	.5
68	MP2C	Z	12.262	.5
69	MP2C	Mx	.014	.5
70	MP2C	X	21.238	5
71	MP2C	Z	12.262	5
72	MP2C	Mx	.014	5
73	MP3A	X	9.299	1.83
74	MP3A	Z	5.369	1.83
75	MP3A	Mx	-.009	1.83
76	MP3A	X	9.299	3.73
77	MP3A	Z	5.369	3.73
78	MP3A	Mx	-.009	3.73
79	MP3B	X	16.334	1.83
80	MP3B	Z	9.431	1.83
81	MP3B	Mx	0	1.83
82	MP3B	X	16.334	3.73
83	MP3B	Z	9.431	3.73
84	MP3B	Mx	0	3.73
85	MP3C	X	9.299	1.83
86	MP3C	Z	5.369	1.83
87	MP3C	Mx	.009	1.83
88	MP3C	X	9.299	3.73
89	MP3C	Z	5.369	3.73
90	MP3C	Mx	.009	3.73
91	MPSO	X	23.663	.5
92	MPSO	Z	13.662	.5
93	MPSO	Mx	.012	.5
94	MP2A	X	10.618	.25
95	MP2A	Z	6.13	.25
96	MP2A	Mx	.005	.25
97	MP2B	X	13.762	.25
98	MP2B	Z	7.945	.25
99	MP2B	Mx	0	.25
100	MP2C	X	10.618	.25
101	MP2C	Z	6.13	.25
102	MP2C	Mx	-.005	.25
103	MP2A	X	10.052	3.83
104	MP2A	Z	5.804	3.83
105	MP2A	Mx	.005	3.83
106	MP2B	X	13.762	3.83
107	MP2B	Z	7.945	3.83
108	MP2B	Mx	0	3.83
109	MP2C	X	10.052	3.83
110	MP2C	Z	5.804	3.83
111	MP2C	Mx	-.005	3.83
112	MP2A	X	4.025	2
113	MP2A	Z	2.324	2
114	MP2A	Mx	.002	2
115	MP2B	X	7.562	2
116	MP2B	Z	4.366	2
117	MP2B	Mx	0	2
118	MP2C	X	4.025	2
119	MP2C	Z	2.324	2
120	MP2C	Mx	-.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.446	.5
2	MP1A	Z	14.629	.5
3	MP1A	Mx	-.008	.5
4	MP1A	X	8.446	3.5
5	MP1A	Z	14.629	3.5
6	MP1A	Mx	-.008	3.5
7	MP1B	X	8.446	.5
8	MP1B	Z	14.629	.5
9	MP1B	Mx	-.008	.5
10	MP1B	X	8.446	3.5
11	MP1B	Z	14.629	3.5
12	MP1B	Mx	-.008	3.5
13	MP1C	X	7.433	.5
14	MP1C	Z	12.875	.5
15	MP1C	Mx	.015	.5
16	MP1C	X	7.433	3.5
17	MP1C	Z	12.875	3.5
18	MP1C	Mx	.015	3.5
19	MP4A	X	8.446	.5
20	MP4A	Z	14.629	.5
21	MP4A	Mx	-.008	.5
22	MP4A	X	8.446	3.5
23	MP4A	Z	14.629	3.5
24	MP4A	Mx	-.008	3.5
25	MP4B	X	8.446	.5
26	MP4B	Z	14.629	.5
27	MP4B	Mx	-.008	.5
28	MP4B	X	8.446	3.5
29	MP4B	Z	14.629	3.5
30	MP4B	Mx	-.008	3.5
31	MP4C	X	7.433	.5
32	MP4C	Z	12.875	.5
33	MP4C	Mx	.015	.5
34	MP4C	X	7.433	3.5
35	MP4C	Z	12.875	3.5
36	MP4C	Mx	.015	3.5
37	MP2A	X	14.744	.5
38	MP2A	Z	25.537	.5
39	MP2A	Mx	.000153	.5
40	MP2A	X	14.744	5
41	MP2A	Z	25.537	5
42	MP2A	Mx	.000153	5
43	MP2B	X	14.744	.5
44	MP2B	Z	25.537	.5
45	MP2B	Mx	-.03	.5
46	MP2B	X	14.744	5
47	MP2B	Z	25.537	5
48	MP2B	Mx	-.03	5
49	MP2C	X	11.021	.5
50	MP2C	Z	19.089	.5
51	MP2C	Mx	.022	.5
52	MP2C	X	11.021	5
53	MP2C	Z	19.089	5
54	MP2C	Mx	.022	5
55	MP2A	X	14.744	.5
56	MP2A	Z	25.537	.5
57	MP2A	Mx	-.03	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	14.744	5
59	MP2A	Z	25.537	5
60	MP2A	Mx	-.03	5
61	MP2B	X	14.744	.5
62	MP2B	Z	25.537	.5
63	MP2B	Mx	.000153	.5
64	MP2B	X	14.744	5
65	MP2B	Z	25.537	5
66	MP2B	Mx	.000153	5
67	MP2C	X	11.021	.5
68	MP2C	Z	19.089	.5
69	MP2C	Mx	.022	.5
70	MP2C	X	11.021	5
71	MP2C	Z	19.089	5
72	MP2C	Mx	.022	5
73	MP3A	X	8.077	1.83
74	MP3A	Z	13.989	1.83
75	MP3A	Mx	-.008	1.83
76	MP3A	X	8.077	3.73
77	MP3A	Z	13.989	3.73
78	MP3A	Mx	-.008	3.73
79	MP3B	X	8.077	1.83
80	MP3B	Z	13.989	1.83
81	MP3B	Mx	-.008	1.83
82	MP3B	X	8.077	3.73
83	MP3B	Z	13.989	3.73
84	MP3B	Mx	-.008	3.73
85	MP3C	X	4.015	1.83
86	MP3C	Z	6.954	1.83
87	MP3C	Mx	.008	1.83
88	MP3C	X	4.015	3.73
89	MP3C	Z	6.954	3.73
90	MP3C	Mx	.008	3.73
91	MPSO	X	15.443	.5
92	MPSO	Z	26.748	.5
93	MPSO	Mx	.008	.5
94	MP2A	X	7.34	.25
95	MP2A	Z	12.714	.25
96	MP2A	Mx	.004	.25
97	MP2B	X	7.34	.25
98	MP2B	Z	12.714	.25
99	MP2B	Mx	.004	.25
100	MP2C	X	5.525	.25
101	MP2C	Z	9.57	.25
102	MP2C	Mx	-.006	.25
103	MP2A	X	7.232	3.83
104	MP2A	Z	12.525	3.83
105	MP2A	Mx	.004	3.83
106	MP2B	X	7.232	3.83
107	MP2B	Z	12.525	3.83
108	MP2B	Mx	.004	3.83
109	MP2C	X	5.09	3.83
110	MP2C	Z	8.816	3.83
111	MP2C	Mx	-.005	3.83
112	MP2A	X	3.685	2
113	MP2A	Z	6.383	2
114	MP2A	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2B	X	3.685	2
116	MP2B	Z	6.383	2
117	MP2B	Mx	.002	2
118	MP2C	X	1.643	2
119	MP2C	Z	2.845	2
120	MP2C	Mx	-.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	17.568	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	3.5
5	MP1A	Z	17.568	3.5
6	MP1A	Mx	0	3.5
7	MP1B	X	0	.5
8	MP1B	Z	15.542	.5
9	MP1B	Mx	-.013	.5
10	MP1B	X	0	3.5
11	MP1B	Z	15.542	3.5
12	MP1B	Mx	-.013	3.5
13	MP1C	X	0	.5
14	MP1C	Z	15.542	.5
15	MP1C	Mx	.013	.5
16	MP1C	X	0	3.5
17	MP1C	Z	15.542	3.5
18	MP1C	Mx	.013	3.5
19	MP4A	X	0	.5
20	MP4A	Z	17.568	.5
21	MP4A	Mx	0	.5
22	MP4A	X	0	3.5
23	MP4A	Z	17.568	3.5
24	MP4A	Mx	0	3.5
25	MP4B	X	0	.5
26	MP4B	Z	15.542	.5
27	MP4B	Mx	-.013	.5
28	MP4B	X	0	3.5
29	MP4B	Z	15.542	3.5
30	MP4B	Mx	-.013	3.5
31	MP4C	X	0	.5
32	MP4C	Z	15.542	.5
33	MP4C	Mx	.013	.5
34	MP4C	X	0	3.5
35	MP4C	Z	15.542	3.5
36	MP4C	Mx	.013	3.5
37	MP2A	X	0	.5
38	MP2A	Z	31.969	.5
39	MP2A	Mx	.019	.5
40	MP2A	X	0	5
41	MP2A	Z	31.969	5
42	MP2A	Mx	.019	5
43	MP2B	X	0	.5
44	MP2B	Z	24.524	.5
45	MP2B	Mx	-.028	.5
46	MP2B	X	0	5
47	MP2B	Z	24.524	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	-.028	5
49	MP2C	X	0	.5
50	MP2C	Z	24.524	.5
51	MP2C	Mx	.014	.5
52	MP2C	X	0	5
53	MP2C	Z	24.524	5
54	MP2C	Mx	.014	5
55	MP2A	X	0	.5
56	MP2A	Z	31.969	.5
57	MP2A	Mx	-.019	.5
58	MP2A	X	0	5
59	MP2A	Z	31.969	5
60	MP2A	Mx	-.019	5
61	MP2B	X	0	.5
62	MP2B	Z	24.524	.5
63	MP2B	Mx	-.014	.5
64	MP2B	X	0	5
65	MP2B	Z	24.524	5
66	MP2B	Mx	-.014	5
67	MP2C	X	0	.5
68	MP2C	Z	24.524	.5
69	MP2C	Mx	.028	.5
70	MP2C	X	0	5
71	MP2C	Z	24.524	5
72	MP2C	Mx	.028	5
73	MP3A	X	0	1.83
74	MP3A	Z	18.861	1.83
75	MP3A	Mx	0	1.83
76	MP3A	X	0	3.73
77	MP3A	Z	18.861	3.73
78	MP3A	Mx	0	3.73
79	MP3B	X	0	1.83
80	MP3B	Z	10.738	1.83
81	MP3B	Mx	-.009	1.83
82	MP3B	X	0	3.73
83	MP3B	Z	10.738	3.73
84	MP3B	Mx	-.009	3.73
85	MP3C	X	0	1.83
86	MP3C	Z	10.738	1.83
87	MP3C	Mx	.009	1.83
88	MP3C	X	0	3.73
89	MP3C	Z	10.738	3.73
90	MP3C	Mx	.009	3.73
91	MPSO	X	0	.5
92	MPSO	Z	32.667	.5
93	MPSO	Mx	0	.5
94	MP2A	X	0	.25
95	MP2A	Z	15.891	.25
96	MP2A	Mx	0	.25
97	MP2B	X	0	.25
98	MP2B	Z	12.261	.25
99	MP2B	Mx	.005	.25
100	MP2C	X	0	.25
101	MP2C	Z	12.261	.25
102	MP2C	Mx	-.005	.25
103	MP2A	X	0	3.83
104	MP2A	Z	15.891	3.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP2A	Mx	0	3.83
106	MP2B	X	0	3.83
107	MP2B	Z	11.608	3.83
108	MP2B	Mx	.005	3.83
109	MP2C	X	0	3.83
110	MP2C	Z	11.608	3.83
111	MP2C	Mx	-.005	3.83
112	MP2A	X	0	2
113	MP2A	Z	8.732	2
114	MP2A	Mx	0	2
115	MP2B	X	0	2
116	MP2B	Z	4.647	2
117	MP2B	Mx	.002	2
118	MP2C	X	0	2
119	MP2C	Z	4.647	2
120	MP2C	Mx	-.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.446	.5
2	MP1A	Z	14.629	.5
3	MP1A	Mx	.008	.5
4	MP1A	X	-8.446	3.5
5	MP1A	Z	14.629	3.5
6	MP1A	Mx	.008	3.5
7	MP1B	X	-7.433	.5
8	MP1B	Z	12.875	.5
9	MP1B	Mx	-.015	.5
10	MP1B	X	-7.433	3.5
11	MP1B	Z	12.875	3.5
12	MP1B	Mx	-.015	3.5
13	MP1C	X	-8.446	.5
14	MP1C	Z	14.629	.5
15	MP1C	Mx	.008	.5
16	MP1C	X	-8.446	3.5
17	MP1C	Z	14.629	3.5
18	MP1C	Mx	.008	3.5
19	MP4A	X	-8.446	.5
20	MP4A	Z	14.629	.5
21	MP4A	Mx	.008	.5
22	MP4A	X	-8.446	3.5
23	MP4A	Z	14.629	3.5
24	MP4A	Mx	.008	3.5
25	MP4B	X	-7.433	.5
26	MP4B	Z	12.875	.5
27	MP4B	Mx	-.015	.5
28	MP4B	X	-7.433	3.5
29	MP4B	Z	12.875	3.5
30	MP4B	Mx	-.015	3.5
31	MP4C	X	-8.446	.5
32	MP4C	Z	14.629	.5
33	MP4C	Mx	.008	.5
34	MP4C	X	-8.446	3.5
35	MP4C	Z	14.629	3.5
36	MP4C	Mx	.008	3.5
37	MP2A	X	-14.744	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2A	Z	25.537	.5
39	MP2A	Mx	.03	.5
40	MP2A	X	-14.744	5
41	MP2A	Z	25.537	5
42	MP2A	Mx	.03	5
43	MP2B	X	-11.021	.5
44	MP2B	Z	19.089	.5
45	MP2B	Mx	-.022	.5
46	MP2B	X	-11.021	5
47	MP2B	Z	19.089	5
48	MP2B	Mx	-.022	5
49	MP2C	X	-14.744	.5
50	MP2C	Z	25.537	.5
51	MP2C	Mx	-.000153	.5
52	MP2C	X	-14.744	5
53	MP2C	Z	25.537	5
54	MP2C	Mx	-.000153	5
55	MP2A	X	-14.744	.5
56	MP2A	Z	25.537	.5
57	MP2A	Mx	-.000153	.5
58	MP2A	X	-14.744	5
59	MP2A	Z	25.537	5
60	MP2A	Mx	-.000153	5
61	MP2B	X	-11.021	.5
62	MP2B	Z	19.089	.5
63	MP2B	Mx	-.022	.5
64	MP2B	X	-11.021	5
65	MP2B	Z	19.089	5
66	MP2B	Mx	-.022	5
67	MP2C	X	-14.744	.5
68	MP2C	Z	25.537	.5
69	MP2C	Mx	.03	.5
70	MP2C	X	-14.744	5
71	MP2C	Z	25.537	5
72	MP2C	Mx	.03	5
73	MP3A	X	-8.077	1.83
74	MP3A	Z	13.989	1.83
75	MP3A	Mx	.008	1.83
76	MP3A	X	-8.077	3.73
77	MP3A	Z	13.989	3.73
78	MP3A	Mx	.008	3.73
79	MP3B	X	-4.015	1.83
80	MP3B	Z	6.954	1.83
81	MP3B	Mx	-.008	1.83
82	MP3B	X	-4.015	3.73
83	MP3B	Z	6.954	3.73
84	MP3B	Mx	-.008	3.73
85	MP3C	X	-8.077	1.83
86	MP3C	Z	13.989	1.83
87	MP3C	Mx	.008	1.83
88	MP3C	X	-8.077	3.73
89	MP3C	Z	13.989	3.73
90	MP3C	Mx	.008	3.73
91	MPSO	X	-15.443	.5
92	MPSO	Z	26.748	.5
93	MPSO	Mx	-.008	.5
94	MP2A	X	-7.34	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2A	Z	12.714	.25
96	MP2A	Mx	-.004	.25
97	MP2B	X	-5.525	.25
98	MP2B	Z	9.57	.25
99	MP2B	Mx	.006	.25
100	MP2C	X	-7.34	.25
101	MP2C	Z	12.714	.25
102	MP2C	Mx	-.004	.25
103	MP2A	X	-7.232	3.83
104	MP2A	Z	12.525	3.83
105	MP2A	Mx	-.004	3.83
106	MP2B	X	-5.09	3.83
107	MP2B	Z	8.816	3.83
108	MP2B	Mx	.005	3.83
109	MP2C	X	-7.232	3.83
110	MP2C	Z	12.525	3.83
111	MP2C	Mx	-.004	3.83
112	MP2A	X	-3.685	2
113	MP2A	Z	6.383	2
114	MP2A	Mx	-.002	2
115	MP2B	X	-1.643	2
116	MP2B	Z	2.845	2
117	MP2B	Mx	.002	2
118	MP2C	X	-3.685	2
119	MP2C	Z	6.383	2
120	MP2C	Mx	-.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-13.46	.5
2	MP1A	Z	7.771	.5
3	MP1A	Mx	.013	.5
4	MP1A	X	-13.46	3.5
5	MP1A	Z	7.771	3.5
6	MP1A	Mx	.013	3.5
7	MP1B	X	-13.46	.5
8	MP1B	Z	7.771	.5
9	MP1B	Mx	-.013	.5
10	MP1B	X	-13.46	3.5
11	MP1B	Z	7.771	3.5
12	MP1B	Mx	-.013	3.5
13	MP1C	X	-15.214	.5
14	MP1C	Z	8.784	.5
15	MP1C	Mx	0	.5
16	MP1C	X	-15.214	3.5
17	MP1C	Z	8.784	3.5
18	MP1C	Mx	0	3.5
19	MP4A	X	-13.46	.5
20	MP4A	Z	7.771	.5
21	MP4A	Mx	.013	.5
22	MP4A	X	-13.46	3.5
23	MP4A	Z	7.771	3.5
24	MP4A	Mx	.013	3.5
25	MP4B	X	-13.46	.5
26	MP4B	Z	7.771	.5
27	MP4B	Mx	-.013	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4B	X	-13.46	3.5
29	MP4B	Z	7.771	3.5
30	MP4B	Mx	-.013	3.5
31	MP4C	X	-15.214	.5
32	MP4C	Z	8.784	.5
33	MP4C	Mx	0	.5
34	MP4C	X	-15.214	3.5
35	MP4C	Z	8.784	3.5
36	MP4C	Mx	0	3.5
37	MP2A	X	-21.238	.5
38	MP2A	Z	12.262	.5
39	MP2A	Mx	.028	.5
40	MP2A	X	-21.238	5
41	MP2A	Z	12.262	5
42	MP2A	Mx	.028	5
43	MP2B	X	-21.238	.5
44	MP2B	Z	12.262	.5
45	MP2B	Mx	-.014	.5
46	MP2B	X	-21.238	5
47	MP2B	Z	12.262	5
48	MP2B	Mx	-.014	5
49	MP2C	X	-27.686	.5
50	MP2C	Z	15.984	.5
51	MP2C	Mx	-.019	.5
52	MP2C	X	-27.686	5
53	MP2C	Z	15.984	5
54	MP2C	Mx	-.019	5
55	MP2A	X	-21.238	.5
56	MP2A	Z	12.262	.5
57	MP2A	Mx	.014	.5
58	MP2A	X	-21.238	5
59	MP2A	Z	12.262	5
60	MP2A	Mx	.014	5
61	MP2B	X	-21.238	.5
62	MP2B	Z	12.262	.5
63	MP2B	Mx	-.028	.5
64	MP2B	X	-21.238	5
65	MP2B	Z	12.262	5
66	MP2B	Mx	-.028	5
67	MP2C	X	-27.686	.5
68	MP2C	Z	15.984	.5
69	MP2C	Mx	.019	.5
70	MP2C	X	-27.686	5
71	MP2C	Z	15.984	5
72	MP2C	Mx	.019	5
73	MP3A	X	-9.299	1.83
74	MP3A	Z	5.369	1.83
75	MP3A	Mx	.009	1.83
76	MP3A	X	-9.299	3.73
77	MP3A	Z	5.369	3.73
78	MP3A	Mx	.009	3.73
79	MP3B	X	-9.299	1.83
80	MP3B	Z	5.369	1.83
81	MP3B	Mx	-.009	1.83
82	MP3B	X	-9.299	3.73
83	MP3B	Z	5.369	3.73
84	MP3B	Mx	-.009	3.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP3C	X	-16.334	1.83
86	MP3C	Z	9.431	1.83
87	MP3C	Mx	0	1.83
88	MP3C	X	-16.334	3.73
89	MP3C	Z	9.431	3.73
90	MP3C	Mx	0	3.73
91	MPSO	X	-23.663	.5
92	MPSO	Z	13.662	.5
93	MPSO	Mx	-.012	.5
94	MP2A	X	-10.618	.25
95	MP2A	Z	6.13	.25
96	MP2A	Mx	-.005	.25
97	MP2B	X	-10.618	.25
98	MP2B	Z	6.13	.25
99	MP2B	Mx	.005	.25
100	MP2C	X	-13.762	.25
101	MP2C	Z	7.945	.25
102	MP2C	Mx	0	.25
103	MP2A	X	-10.052	3.83
104	MP2A	Z	5.804	3.83
105	MP2A	Mx	-.005	3.83
106	MP2B	X	-10.052	3.83
107	MP2B	Z	5.804	3.83
108	MP2B	Mx	.005	3.83
109	MP2C	X	-13.762	3.83
110	MP2C	Z	7.945	3.83
111	MP2C	Mx	0	3.83
112	MP2A	X	-4.025	2
113	MP2A	Z	2.324	2
114	MP2A	Mx	-.002	2
115	MP2B	X	-4.025	2
116	MP2B	Z	2.324	2
117	MP2B	Mx	.002	2
118	MP2C	X	-7.562	2
119	MP2C	Z	4.366	2
120	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-14.866	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.015	.5
4	MP1A	X	-14.866	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	.015	3.5
7	MP1B	X	-16.893	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.008	.5
10	MP1B	X	-16.893	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	-.008	3.5
13	MP1C	X	-16.893	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.008	.5
16	MP1C	X	-16.893	3.5
17	MP1C	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	-.008	3.5
19	MP4A	X	-14.866	.5
20	MP4A	Z	0	.5
21	MP4A	Mx	.015	.5
22	MP4A	X	-14.866	3.5
23	MP4A	Z	0	3.5
24	MP4A	Mx	.015	3.5
25	MP4B	X	-16.893	.5
26	MP4B	Z	0	.5
27	MP4B	Mx	-.008	.5
28	MP4B	X	-16.893	3.5
29	MP4B	Z	0	3.5
30	MP4B	Mx	-.008	3.5
31	MP4C	X	-16.893	.5
32	MP4C	Z	0	.5
33	MP4C	Mx	-.008	.5
34	MP4C	X	-16.893	3.5
35	MP4C	Z	0	3.5
36	MP4C	Mx	-.008	3.5
37	MP2A	X	-22.042	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.022	.5
40	MP2A	X	-22.042	5
41	MP2A	Z	0	5
42	MP2A	Mx	.022	5
43	MP2B	X	-29.487	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.000153	.5
46	MP2B	X	-29.487	5
47	MP2B	Z	0	5
48	MP2B	Mx	.000153	5
49	MP2C	X	-29.487	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.03	.5
52	MP2C	X	-29.487	5
53	MP2C	Z	0	5
54	MP2C	Mx	-.03	5
55	MP2A	X	-22.042	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.022	.5
58	MP2A	X	-22.042	5
59	MP2A	Z	0	5
60	MP2A	Mx	.022	5
61	MP2B	X	-29.487	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	-.03	.5
64	MP2B	X	-29.487	5
65	MP2B	Z	0	5
66	MP2B	Mx	-.03	5
67	MP2C	X	-29.487	.5
68	MP2C	Z	0	.5
69	MP2C	Mx	.000153	.5
70	MP2C	X	-29.487	5
71	MP2C	Z	0	5
72	MP2C	Mx	.000153	5
73	MP3A	X	-8.03	1.83
74	MP3A	Z	0	1.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	.008	1.83
76	MP3A	X	-8.03	3.73
77	MP3A	Z	0	3.73
78	MP3A	Mx	.008	3.73
79	MP3B	X	-16.153	1.83
80	MP3B	Z	0	1.83
81	MP3B	Mx	-.008	1.83
82	MP3B	X	-16.153	3.73
83	MP3B	Z	0	3.73
84	MP3B	Mx	-.008	3.73
85	MP3C	X	-16.153	1.83
86	MP3C	Z	0	1.83
87	MP3C	Mx	-.008	1.83
88	MP3C	X	-16.153	3.73
89	MP3C	Z	0	3.73
90	MP3C	Mx	-.008	3.73
91	MPSO	X	-25.542	.5
92	MPSO	Z	0	.5
93	MPSO	Mx	-.013	.5
94	MP2A	X	-11.051	.25
95	MP2A	Z	0	.25
96	MP2A	Mx	-.006	.25
97	MP2B	X	-14.681	.25
98	MP2B	Z	0	.25
99	MP2B	Mx	.004	.25
100	MP2C	X	-14.681	.25
101	MP2C	Z	0	.25
102	MP2C	Mx	.004	.25
103	MP2A	X	-10.18	3.83
104	MP2A	Z	0	3.83
105	MP2A	Mx	-.005	3.83
106	MP2B	X	-14.463	3.83
107	MP2B	Z	0	3.83
108	MP2B	Mx	.004	3.83
109	MP2C	X	-14.463	3.83
110	MP2C	Z	0	3.83
111	MP2C	Mx	.004	3.83
112	MP2A	X	-3.286	2
113	MP2A	Z	0	2
114	MP2A	Mx	-.002	2
115	MP2B	X	-7.37	2
116	MP2B	Z	0	2
117	MP2B	Mx	.002	2
118	MP2C	X	-7.37	2
119	MP2C	Z	0	2
120	MP2C	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-13.46	.5
2	MP1A	Z	-7.771	.5
3	MP1A	Mx	.013	.5
4	MP1A	X	-13.46	3.5
5	MP1A	Z	-7.771	3.5
6	MP1A	Mx	.013	3.5
7	MP1B	X	-15.214	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1B	Z	-8.784	.5
9	MP1B	Mx	0	.5
10	MP1B	X	-15.214	3.5
11	MP1B	Z	-8.784	3.5
12	MP1B	Mx	0	3.5
13	MP1C	X	-13.46	.5
14	MP1C	Z	-7.771	.5
15	MP1C	Mx	-.013	.5
16	MP1C	X	-13.46	3.5
17	MP1C	Z	-7.771	3.5
18	MP1C	Mx	-.013	3.5
19	MP4A	X	-13.46	.5
20	MP4A	Z	-7.771	.5
21	MP4A	Mx	.013	.5
22	MP4A	X	-13.46	3.5
23	MP4A	Z	-7.771	3.5
24	MP4A	Mx	.013	3.5
25	MP4B	X	-15.214	.5
26	MP4B	Z	-8.784	.5
27	MP4B	Mx	0	.5
28	MP4B	X	-15.214	3.5
29	MP4B	Z	-8.784	3.5
30	MP4B	Mx	0	3.5
31	MP4C	X	-13.46	.5
32	MP4C	Z	-7.771	.5
33	MP4C	Mx	-.013	.5
34	MP4C	X	-13.46	3.5
35	MP4C	Z	-7.771	3.5
36	MP4C	Mx	-.013	3.5
37	MP2A	X	-21.238	.5
38	MP2A	Z	-12.262	.5
39	MP2A	Mx	.014	.5
40	MP2A	X	-21.238	5
41	MP2A	Z	-12.262	5
42	MP2A	Mx	.014	5
43	MP2B	X	-27.686	.5
44	MP2B	Z	-15.984	.5
45	MP2B	Mx	.019	.5
46	MP2B	X	-27.686	5
47	MP2B	Z	-15.984	5
48	MP2B	Mx	.019	5
49	MP2C	X	-21.238	.5
50	MP2C	Z	-12.262	.5
51	MP2C	Mx	-.028	.5
52	MP2C	X	-21.238	5
53	MP2C	Z	-12.262	5
54	MP2C	Mx	-.028	5
55	MP2A	X	-21.238	.5
56	MP2A	Z	-12.262	.5
57	MP2A	Mx	.028	.5
58	MP2A	X	-21.238	5
59	MP2A	Z	-12.262	5
60	MP2A	Mx	.028	5
61	MP2B	X	-27.686	.5
62	MP2B	Z	-15.984	.5
63	MP2B	Mx	-.019	.5
64	MP2B	X	-27.686	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2B	Z	-15.984	5
66	MP2B	Mx	-.019	5
67	MP2C	X	-21.238	.5
68	MP2C	Z	-12.262	.5
69	MP2C	Mx	-.014	.5
70	MP2C	X	-21.238	5
71	MP2C	Z	-12.262	5
72	MP2C	Mx	-.014	5
73	MP3A	X	-9.299	1.83
74	MP3A	Z	-5.369	1.83
75	MP3A	Mx	.009	1.83
76	MP3A	X	-9.299	3.73
77	MP3A	Z	-5.369	3.73
78	MP3A	Mx	.009	3.73
79	MP3B	X	-16.334	1.83
80	MP3B	Z	-9.431	1.83
81	MP3B	Mx	0	1.83
82	MP3B	X	-16.334	3.73
83	MP3B	Z	-9.431	3.73
84	MP3B	Mx	0	3.73
85	MP3C	X	-9.299	1.83
86	MP3C	Z	-5.369	1.83
87	MP3C	Mx	-.009	1.83
88	MP3C	X	-9.299	3.73
89	MP3C	Z	-5.369	3.73
90	MP3C	Mx	-.009	3.73
91	MPSO	X	-23.663	.5
92	MPSO	Z	-13.662	.5
93	MPSO	Mx	-.012	.5
94	MP2A	X	-10.618	.25
95	MP2A	Z	-6.13	.25
96	MP2A	Mx	-.005	.25
97	MP2B	X	-13.762	.25
98	MP2B	Z	-7.945	.25
99	MP2B	Mx	0	.25
100	MP2C	X	-10.618	.25
101	MP2C	Z	-6.13	.25
102	MP2C	Mx	.005	.25
103	MP2A	X	-10.052	3.83
104	MP2A	Z	-5.804	3.83
105	MP2A	Mx	-.005	3.83
106	MP2B	X	-13.762	3.83
107	MP2B	Z	-7.945	3.83
108	MP2B	Mx	0	3.83
109	MP2C	X	-10.052	3.83
110	MP2C	Z	-5.804	3.83
111	MP2C	Mx	.005	3.83
112	MP2A	X	-4.025	2
113	MP2A	Z	-2.324	2
114	MP2A	Mx	-.002	2
115	MP2B	X	-7.562	2
116	MP2B	Z	-4.366	2
117	MP2B	Mx	0	2
118	MP2C	X	-4.025	2
119	MP2C	Z	-2.324	2
120	MP2C	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.446	.5
2	MP1A	Z	-14.629	.5
3	MP1A	Mx	.008	.5
4	MP1A	X	-8.446	3.5
5	MP1A	Z	-14.629	3.5
6	MP1A	Mx	.008	3.5
7	MP1B	X	-8.446	.5
8	MP1B	Z	-14.629	.5
9	MP1B	Mx	.008	.5
10	MP1B	X	-8.446	3.5
11	MP1B	Z	-14.629	3.5
12	MP1B	Mx	.008	3.5
13	MP1C	X	-7.433	.5
14	MP1C	Z	-12.875	.5
15	MP1C	Mx	-.015	.5
16	MP1C	X	-7.433	3.5
17	MP1C	Z	-12.875	3.5
18	MP1C	Mx	-.015	3.5
19	MP4A	X	-8.446	.5
20	MP4A	Z	-14.629	.5
21	MP4A	Mx	.008	.5
22	MP4A	X	-8.446	3.5
23	MP4A	Z	-14.629	3.5
24	MP4A	Mx	.008	3.5
25	MP4B	X	-8.446	.5
26	MP4B	Z	-14.629	.5
27	MP4B	Mx	.008	.5
28	MP4B	X	-8.446	3.5
29	MP4B	Z	-14.629	3.5
30	MP4B	Mx	.008	3.5
31	MP4C	X	-7.433	.5
32	MP4C	Z	-12.875	.5
33	MP4C	Mx	-.015	.5
34	MP4C	X	-7.433	3.5
35	MP4C	Z	-12.875	3.5
36	MP4C	Mx	-.015	3.5
37	MP2A	X	-14.744	.5
38	MP2A	Z	-25.537	.5
39	MP2A	Mx	-.000153	.5
40	MP2A	X	-14.744	5
41	MP2A	Z	-25.537	5
42	MP2A	Mx	-.000153	5
43	MP2B	X	-14.744	.5
44	MP2B	Z	-25.537	.5
45	MP2B	Mx	.03	.5
46	MP2B	X	-14.744	5
47	MP2B	Z	-25.537	5
48	MP2B	Mx	.03	5
49	MP2C	X	-11.021	.5
50	MP2C	Z	-19.089	.5
51	MP2C	Mx	-.022	.5
52	MP2C	X	-11.021	5
53	MP2C	Z	-19.089	5
54	MP2C	Mx	-.022	5
55	MP2A	X	-14.744	.5
56	MP2A	Z	-25.537	.5
57	MP2A	Mx	.03	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-14.744	5
59	MP2A	Z	-25.537	5
60	MP2A	Mx	.03	5
61	MP2B	X	-14.744	.5
62	MP2B	Z	-25.537	.5
63	MP2B	Mx	-.000153	.5
64	MP2B	X	-14.744	5
65	MP2B	Z	-25.537	5
66	MP2B	Mx	-.000153	5
67	MP2C	X	-11.021	.5
68	MP2C	Z	-19.089	.5
69	MP2C	Mx	-.022	.5
70	MP2C	X	-11.021	5
71	MP2C	Z	-19.089	5
72	MP2C	Mx	-.022	5
73	MP3A	X	-8.077	1.83
74	MP3A	Z	-13.989	1.83
75	MP3A	Mx	.008	1.83
76	MP3A	X	-8.077	3.73
77	MP3A	Z	-13.989	3.73
78	MP3A	Mx	.008	3.73
79	MP3B	X	-8.077	1.83
80	MP3B	Z	-13.989	1.83
81	MP3B	Mx	.008	1.83
82	MP3B	X	-8.077	3.73
83	MP3B	Z	-13.989	3.73
84	MP3B	Mx	.008	3.73
85	MP3C	X	-4.015	1.83
86	MP3C	Z	-6.954	1.83
87	MP3C	Mx	-.008	1.83
88	MP3C	X	-4.015	3.73
89	MP3C	Z	-6.954	3.73
90	MP3C	Mx	-.008	3.73
91	MPSO	X	-15.443	.5
92	MPSO	Z	-26.748	.5
93	MPSO	Mx	-.008	.5
94	MP2A	X	-7.34	.25
95	MP2A	Z	-12.714	.25
96	MP2A	Mx	-.004	.25
97	MP2B	X	-7.34	.25
98	MP2B	Z	-12.714	.25
99	MP2B	Mx	-.004	.25
100	MP2C	X	-5.525	.25
101	MP2C	Z	-9.57	.25
102	MP2C	Mx	.006	.25
103	MP2A	X	-7.232	3.83
104	MP2A	Z	-12.525	3.83
105	MP2A	Mx	-.004	3.83
106	MP2B	X	-7.232	3.83
107	MP2B	Z	-12.525	3.83
108	MP2B	Mx	-.004	3.83
109	MP2C	X	-5.09	3.83
110	MP2C	Z	-8.816	3.83
111	MP2C	Mx	.005	3.83
112	MP2A	X	-3.685	2
113	MP2A	Z	-6.383	2
114	MP2A	Mx	-.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2B	X	-3.685	2
116	MP2B	Z	-6.383	2
117	MP2B	Mx	-.002	2
118	MP2C	X	-1.643	2
119	MP2C	Z	-2.845	2
120	MP2C	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-5.541	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	3.5
5	MP1A	Z	-5.541	3.5
6	MP1A	Mx	0	3.5
7	MP1B	X	0	.5
8	MP1B	Z	-4.855	.5
9	MP1B	Mx	.004	.5
10	MP1B	X	0	3.5
11	MP1B	Z	-4.855	3.5
12	MP1B	Mx	.004	3.5
13	MP1C	X	0	.5
14	MP1C	Z	-4.855	.5
15	MP1C	Mx	-.004	.5
16	MP1C	X	0	3.5
17	MP1C	Z	-4.855	3.5
18	MP1C	Mx	-.004	3.5
19	MP4A	X	0	.5
20	MP4A	Z	-5.541	.5
21	MP4A	Mx	0	.5
22	MP4A	X	0	3.5
23	MP4A	Z	-5.541	3.5
24	MP4A	Mx	0	3.5
25	MP4B	X	0	.5
26	MP4B	Z	-4.855	.5
27	MP4B	Mx	.004	.5
28	MP4B	X	0	3.5
29	MP4B	Z	-4.855	3.5
30	MP4B	Mx	.004	3.5
31	MP4C	X	0	.5
32	MP4C	Z	-4.855	.5
33	MP4C	Mx	-.004	.5
34	MP4C	X	0	3.5
35	MP4C	Z	-4.855	3.5
36	MP4C	Mx	-.004	3.5
37	MP2A	X	0	.5
38	MP2A	Z	-7.051	.5
39	MP2A	Mx	-.004	.5
40	MP2A	X	0	5
41	MP2A	Z	-7.051	5
42	MP2A	Mx	-.004	5
43	MP2B	X	0	.5
44	MP2B	Z	-4.038	.5
45	MP2B	Mx	.005	.5
46	MP2B	X	0	5
47	MP2B	Z	-4.038	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	.005	5
49	MP2C	X	0	.5
50	MP2C	Z	-4.038	.5
51	MP2C	Mx	-.002	.5
52	MP2C	X	0	5
53	MP2C	Z	-4.038	5
54	MP2C	Mx	-.002	5
55	MP2A	X	0	.5
56	MP2A	Z	-7.051	.5
57	MP2A	Mx	.004	.5
58	MP2A	X	0	5
59	MP2A	Z	-7.051	5
60	MP2A	Mx	.004	5
61	MP2B	X	0	.5
62	MP2B	Z	-4.038	.5
63	MP2B	Mx	.002	.5
64	MP2B	X	0	5
65	MP2B	Z	-4.038	5
66	MP2B	Mx	.002	5
67	MP2C	X	0	.5
68	MP2C	Z	-4.038	.5
69	MP2C	Mx	-.005	.5
70	MP2C	X	0	5
71	MP2C	Z	-4.038	5
72	MP2C	Mx	-.005	5
73	MP3A	X	0	1.83
74	MP3A	Z	-5.017	1.83
75	MP3A	Mx	0	1.83
76	MP3A	X	0	3.73
77	MP3A	Z	-5.017	3.73
78	MP3A	Mx	0	3.73
79	MP3B	X	0	1.83
80	MP3B	Z	-2.55	1.83
81	MP3B	Mx	.002	1.83
82	MP3B	X	0	3.73
83	MP3B	Z	-2.55	3.73
84	MP3B	Mx	.002	3.73
85	MP3C	X	0	1.83
86	MP3C	Z	-2.55	1.83
87	MP3C	Mx	-.002	1.83
88	MP3C	X	0	3.73
89	MP3C	Z	-2.55	3.73
90	MP3C	Mx	-.002	3.73
91	MPSO	X	0	.5
92	MPSO	Z	-8.114	.5
93	MPSO	Mx	0	.5
94	MP2A	X	0	.25
95	MP2A	Z	-3.967	.25
96	MP2A	Mx	0	.25
97	MP2B	X	0	.25
98	MP2B	Z	-2.988	.25
99	MP2B	Mx	-.001	.25
100	MP2C	X	0	.25
101	MP2C	Z	-2.988	.25
102	MP2C	Mx	.001	.25
103	MP2A	X	0	3.83
104	MP2A	Z	-3.967	3.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP2A	Mx	0	3.83
106	MP2B	X	0	3.83
107	MP2B	Z	-2.796	3.83
108	MP2B	Mx	-.001	3.83
109	MP2C	X	0	3.83
110	MP2C	Z	-2.796	3.83
111	MP2C	Mx	.001	3.83
112	MP2A	X	0	2
113	MP2A	Z	-2.457	2
114	MP2A	Mx	0	2
115	MP2B	X	0	2
116	MP2B	Z	-1.173	2
117	MP2B	Mx	-.000508	2
118	MP2C	X	0	2
119	MP2C	Z	-1.173	2
120	MP2C	Mx	.000508	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.656	.5
2	MP1A	Z	-4.601	.5
3	MP1A	Mx	-.003	.5
4	MP1A	X	2.656	3.5
5	MP1A	Z	-4.601	3.5
6	MP1A	Mx	-.003	3.5
7	MP1B	X	2.313	.5
8	MP1B	Z	-4.006	.5
9	MP1B	Mx	.005	.5
10	MP1B	X	2.313	3.5
11	MP1B	Z	-4.006	3.5
12	MP1B	Mx	.005	3.5
13	MP1C	X	2.656	.5
14	MP1C	Z	-4.601	.5
15	MP1C	Mx	-.003	.5
16	MP1C	X	2.656	3.5
17	MP1C	Z	-4.601	3.5
18	MP1C	Mx	-.003	3.5
19	MP4A	X	2.656	.5
20	MP4A	Z	-4.601	.5
21	MP4A	Mx	-.003	.5
22	MP4A	X	2.656	3.5
23	MP4A	Z	-4.601	3.5
24	MP4A	Mx	-.003	3.5
25	MP4B	X	2.313	.5
26	MP4B	Z	-4.006	.5
27	MP4B	Mx	.005	.5
28	MP4B	X	2.313	3.5
29	MP4B	Z	-4.006	3.5
30	MP4B	Mx	.005	3.5
31	MP4C	X	2.656	.5
32	MP4C	Z	-4.601	.5
33	MP4C	Mx	-.003	.5
34	MP4C	X	2.656	3.5
35	MP4C	Z	-4.601	3.5
36	MP4C	Mx	-.003	3.5
37	MP2A	X	3.023	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2A	Z	-5.237	.5
39	MP2A	Mx	-.006	.5
40	MP2A	X	3.023	5
41	MP2A	Z	-5.237	5
42	MP2A	Mx	-.006	5
43	MP2B	X	1.516	.5
44	MP2B	Z	-2.627	.5
45	MP2B	Mx	.003	.5
46	MP2B	X	1.516	5
47	MP2B	Z	-2.627	5
48	MP2B	Mx	.003	5
49	MP2C	X	3.023	.5
50	MP2C	Z	-5.237	.5
51	MP2C	Mx	3.1e-5	.5
52	MP2C	X	3.023	5
53	MP2C	Z	-5.237	5
54	MP2C	Mx	3.1e-5	5
55	MP2A	X	3.023	.5
56	MP2A	Z	-5.237	.5
57	MP2A	Mx	3.2e-5	.5
58	MP2A	X	3.023	5
59	MP2A	Z	-5.237	5
60	MP2A	Mx	3.2e-5	5
61	MP2B	X	1.516	.5
62	MP2B	Z	-2.627	.5
63	MP2B	Mx	.003	.5
64	MP2B	X	1.516	5
65	MP2B	Z	-2.627	5
66	MP2B	Mx	.003	5
67	MP2C	X	3.023	.5
68	MP2C	Z	-5.237	.5
69	MP2C	Mx	-.006	.5
70	MP2C	X	3.023	5
71	MP2C	Z	-5.237	5
72	MP2C	Mx	-.006	5
73	MP3A	X	2.097	1.83
74	MP3A	Z	-3.632	1.83
75	MP3A	Mx	-.002	1.83
76	MP3A	X	2.097	3.73
77	MP3A	Z	-3.632	3.73
78	MP3A	Mx	-.002	3.73
79	MP3B	X	.864	1.83
80	MP3B	Z	-1.496	1.83
81	MP3B	Mx	.002	1.83
82	MP3B	X	.864	3.73
83	MP3B	Z	-1.496	3.73
84	MP3B	Mx	.002	3.73
85	MP3C	X	2.097	1.83
86	MP3C	Z	-3.632	1.83
87	MP3C	Mx	-.002	1.83
88	MP3C	X	2.097	3.73
89	MP3C	Z	-3.632	3.73
90	MP3C	Mx	-.002	3.73
91	MPSO	X	3.814	.5
92	MPSO	Z	-6.605	.5
93	MPSO	Mx	.002	.5
94	MP2A	X	1.82	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2A	Z	-3.153	.25
96	MP2A	Mx	.00091	.25
97	MP2B	X	1.331	.25
98	MP2B	Z	-2.305	.25
99	MP2B	Mx	-.001	.25
100	MP2C	X	1.82	.25
101	MP2C	Z	-3.153	.25
102	MP2C	Mx	.00091	.25
103	MP2A	X	1.788	3.83
104	MP2A	Z	-3.098	3.83
105	MP2A	Mx	.000894	3.83
106	MP2B	X	1.203	3.83
107	MP2B	Z	-2.084	3.83
108	MP2B	Mx	-.001	3.83
109	MP2C	X	1.788	3.83
110	MP2C	Z	-3.098	3.83
111	MP2C	Mx	.000894	3.83
112	MP2A	X	1.015	2
113	MP2A	Z	-1.757	2
114	MP2A	Mx	.000508	2
115	MP2B	X	.373	2
116	MP2B	Z	-.645	2
117	MP2B	Mx	-.000373	2
118	MP2C	X	1.015	2
119	MP2C	Z	-1.757	2
120	MP2C	Mx	.000507	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.204	.5
2	MP1A	Z	-2.427	.5
3	MP1A	Mx	-.004	.5
4	MP1A	X	4.204	3.5
5	MP1A	Z	-2.427	3.5
6	MP1A	Mx	-.004	3.5
7	MP1B	X	4.204	.5
8	MP1B	Z	-2.427	.5
9	MP1B	Mx	.004	.5
10	MP1B	X	4.204	3.5
11	MP1B	Z	-2.427	3.5
12	MP1B	Mx	.004	3.5
13	MP1C	X	4.799	.5
14	MP1C	Z	-2.771	.5
15	MP1C	Mx	0	.5
16	MP1C	X	4.799	3.5
17	MP1C	Z	-2.771	3.5
18	MP1C	Mx	0	3.5
19	MP4A	X	4.204	.5
20	MP4A	Z	-2.427	.5
21	MP4A	Mx	-.004	.5
22	MP4A	X	4.204	3.5
23	MP4A	Z	-2.427	3.5
24	MP4A	Mx	-.004	3.5
25	MP4B	X	4.204	.5
26	MP4B	Z	-2.427	.5
27	MP4B	Mx	.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4B	X	4.204	3.5
29	MP4B	Z	-2.427	3.5
30	MP4B	Mx	.004	3.5
31	MP4C	X	4.799	.5
32	MP4C	Z	-2.771	.5
33	MP4C	Mx	0	.5
34	MP4C	X	4.799	3.5
35	MP4C	Z	-2.771	3.5
36	MP4C	Mx	0	3.5
37	MP2A	X	3.497	.5
38	MP2A	Z	-2.019	.5
39	MP2A	Mx	-.005	.5
40	MP2A	X	3.497	5
41	MP2A	Z	-2.019	5
42	MP2A	Mx	-.005	5
43	MP2B	X	3.497	.5
44	MP2B	Z	-2.019	.5
45	MP2B	Mx	.002	.5
46	MP2B	X	3.497	5
47	MP2B	Z	-2.019	5
48	MP2B	Mx	.002	5
49	MP2C	X	6.107	.5
50	MP2C	Z	-3.526	.5
51	MP2C	Mx	.004	.5
52	MP2C	X	6.107	5
53	MP2C	Z	-3.526	5
54	MP2C	Mx	.004	5
55	MP2A	X	3.497	.5
56	MP2A	Z	-2.019	.5
57	MP2A	Mx	-.002	.5
58	MP2A	X	3.497	5
59	MP2A	Z	-2.019	5
60	MP2A	Mx	-.002	5
61	MP2B	X	3.497	.5
62	MP2B	Z	-2.019	.5
63	MP2B	Mx	.005	.5
64	MP2B	X	3.497	5
65	MP2B	Z	-2.019	5
66	MP2B	Mx	.005	5
67	MP2C	X	6.107	.5
68	MP2C	Z	-3.526	.5
69	MP2C	Mx	-.004	.5
70	MP2C	X	6.107	5
71	MP2C	Z	-3.526	5
72	MP2C	Mx	-.004	5
73	MP3A	X	2.208	1.83
74	MP3A	Z	-1.275	1.83
75	MP3A	Mx	-.002	1.83
76	MP3A	X	2.208	3.73
77	MP3A	Z	-1.275	3.73
78	MP3A	Mx	-.002	3.73
79	MP3B	X	2.208	1.83
80	MP3B	Z	-1.275	1.83
81	MP3B	Mx	.002	1.83
82	MP3B	X	2.208	3.73
83	MP3B	Z	-1.275	3.73
84	MP3B	Mx	.002	3.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP3C	X	4.345	1.83
86	MP3C	Z	-2.508	1.83
87	MP3C	Mx	1e-6	1.83
88	MP3C	X	4.345	3.73
89	MP3C	Z	-2.508	3.73
90	MP3C	Mx	1e-6	3.73
91	MPSO	X	5.763	.5
92	MPSO	Z	-3.327	.5
93	MPSO	Mx	.003	.5
94	MP2A	X	2.588	.25
95	MP2A	Z	-1.494	.25
96	MP2A	Mx	.001	.25
97	MP2B	X	2.588	.25
98	MP2B	Z	-1.494	.25
99	MP2B	Mx	-.001	.25
100	MP2C	X	3.436	.25
101	MP2C	Z	-1.984	.25
102	MP2C	Mx	0	.25
103	MP2A	X	2.422	3.83
104	MP2A	Z	-1.398	3.83
105	MP2A	Mx	.001	3.83
106	MP2B	X	2.422	3.83
107	MP2B	Z	-1.398	3.83
108	MP2B	Mx	-.001	3.83
109	MP2C	X	3.436	3.83
110	MP2C	Z	-1.984	3.83
111	MP2C	Mx	0	3.83
112	MP2A	X	1.016	2
113	MP2A	Z	-.587	2
114	MP2A	Mx	.000508	2
115	MP2B	X	1.016	2
116	MP2B	Z	-.587	2
117	MP2B	Mx	-.000508	2
118	MP2C	X	2.128	2
119	MP2C	Z	-1.229	2
120	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.626	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.005	.5
4	MP1A	X	4.626	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	-.005	3.5
7	MP1B	X	5.312	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.003	.5
10	MP1B	X	5.312	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	.003	3.5
13	MP1C	X	5.312	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.003	.5
16	MP1C	X	5.312	3.5
17	MP1C	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	.003	3.5
19	MP4A	X	4.626	.5
20	MP4A	Z	0	.5
21	MP4A	Mx	-.005	.5
22	MP4A	X	4.626	3.5
23	MP4A	Z	0	3.5
24	MP4A	Mx	-.005	3.5
25	MP4B	X	5.312	.5
26	MP4B	Z	0	.5
27	MP4B	Mx	.003	.5
28	MP4B	X	5.312	3.5
29	MP4B	Z	0	3.5
30	MP4B	Mx	.003	3.5
31	MP4C	X	5.312	.5
32	MP4C	Z	0	.5
33	MP4C	Mx	.003	.5
34	MP4C	X	5.312	3.5
35	MP4C	Z	0	3.5
36	MP4C	Mx	.003	3.5
37	MP2A	X	3.033	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.003	.5
40	MP2A	X	3.033	5
41	MP2A	Z	0	5
42	MP2A	Mx	-.003	5
43	MP2B	X	6.047	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-3.1e-5	.5
46	MP2B	X	6.047	5
47	MP2B	Z	0	5
48	MP2B	Mx	-3.1e-5	5
49	MP2C	X	6.047	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.006	.5
52	MP2C	X	6.047	5
53	MP2C	Z	0	5
54	MP2C	Mx	.006	5
55	MP2A	X	3.033	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.003	.5
58	MP2A	X	3.033	5
59	MP2A	Z	0	5
60	MP2A	Mx	-.003	5
61	MP2B	X	6.047	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	.006	.5
64	MP2B	X	6.047	5
65	MP2B	Z	0	5
66	MP2B	Mx	.006	5
67	MP2C	X	6.047	.5
68	MP2C	Z	0	.5
69	MP2C	Mx	-3.1e-5	.5
70	MP2C	X	6.047	5
71	MP2C	Z	0	5
72	MP2C	Mx	-3.1e-5	5
73	MP3A	X	1.728	1.83
74	MP3A	Z	0	1.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	-.002	1.83
76	MP3A	X	1.728	3.73
77	MP3A	Z	0	3.73
78	MP3A	Mx	-.002	3.73
79	MP3B	X	4.194	1.83
80	MP3B	Z	0	1.83
81	MP3B	Mx	.002	1.83
82	MP3B	X	4.194	3.73
83	MP3B	Z	0	3.73
84	MP3B	Mx	.002	3.73
85	MP3C	X	4.194	1.83
86	MP3C	Z	0	1.83
87	MP3C	Mx	.002	1.83
88	MP3C	X	4.194	3.73
89	MP3C	Z	0	3.73
90	MP3C	Mx	.002	3.73
91	MPSO	X	6.168	.5
92	MPSO	Z	0	.5
93	MPSO	Mx	.003	.5
94	MP2A	X	2.662	.25
95	MP2A	Z	0	.25
96	MP2A	Mx	.001	.25
97	MP2B	X	3.641	.25
98	MP2B	Z	0	.25
99	MP2B	Mx	-.00091	.25
100	MP2C	X	3.641	.25
101	MP2C	Z	0	.25
102	MP2C	Mx	-.00091	.25
103	MP2A	X	2.406	3.83
104	MP2A	Z	0	3.83
105	MP2A	Mx	.001	3.83
106	MP2B	X	3.577	3.83
107	MP2B	Z	0	3.83
108	MP2B	Mx	-.000894	3.83
109	MP2C	X	3.577	3.83
110	MP2C	Z	0	3.83
111	MP2C	Mx	-.000894	3.83
112	MP2A	X	.745	2
113	MP2A	Z	0	2
114	MP2A	Mx	.000372	2
115	MP2B	X	2.029	2
116	MP2B	Z	0	2
117	MP2B	Mx	-.000507	2
118	MP2C	X	2.029	2
119	MP2C	Z	0	2
120	MP2C	Mx	-.000507	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.204	.5
2	MP1A	Z	2.427	.5
3	MP1A	Mx	-.004	.5
4	MP1A	X	4.204	3.5
5	MP1A	Z	2.427	3.5
6	MP1A	Mx	-.004	3.5
7	MP1B	X	4.799	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1B	Z	2.771	.5
9	MP1B	Mx	0	.5
10	MP1B	X	4.799	3.5
11	MP1B	Z	2.771	3.5
12	MP1B	Mx	0	3.5
13	MP1C	X	4.204	.5
14	MP1C	Z	2.427	.5
15	MP1C	Mx	.004	.5
16	MP1C	X	4.204	3.5
17	MP1C	Z	2.427	3.5
18	MP1C	Mx	.004	3.5
19	MP4A	X	4.204	.5
20	MP4A	Z	2.427	.5
21	MP4A	Mx	-.004	.5
22	MP4A	X	4.204	3.5
23	MP4A	Z	2.427	3.5
24	MP4A	Mx	-.004	3.5
25	MP4B	X	4.799	.5
26	MP4B	Z	2.771	.5
27	MP4B	Mx	0	.5
28	MP4B	X	4.799	3.5
29	MP4B	Z	2.771	3.5
30	MP4B	Mx	0	3.5
31	MP4C	X	4.204	.5
32	MP4C	Z	2.427	.5
33	MP4C	Mx	.004	.5
34	MP4C	X	4.204	3.5
35	MP4C	Z	2.427	3.5
36	MP4C	Mx	.004	3.5
37	MP2A	X	3.497	.5
38	MP2A	Z	2.019	.5
39	MP2A	Mx	-.002	.5
40	MP2A	X	3.497	5
41	MP2A	Z	2.019	5
42	MP2A	Mx	-.002	5
43	MP2B	X	6.107	.5
44	MP2B	Z	3.526	.5
45	MP2B	Mx	-.004	.5
46	MP2B	X	6.107	5
47	MP2B	Z	3.526	5
48	MP2B	Mx	-.004	5
49	MP2C	X	3.497	.5
50	MP2C	Z	2.019	.5
51	MP2C	Mx	.005	.5
52	MP2C	X	3.497	5
53	MP2C	Z	2.019	5
54	MP2C	Mx	.005	5
55	MP2A	X	3.497	.5
56	MP2A	Z	2.019	.5
57	MP2A	Mx	-.005	.5
58	MP2A	X	3.497	5
59	MP2A	Z	2.019	5
60	MP2A	Mx	-.005	5
61	MP2B	X	6.107	.5
62	MP2B	Z	3.526	.5
63	MP2B	Mx	.004	.5
64	MP2B	X	6.107	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2B	Z	3.526	5
66	MP2B	Mx	.004	5
67	MP2C	X	3.497	.5
68	MP2C	Z	2.019	.5
69	MP2C	Mx	.002	.5
70	MP2C	X	3.497	5
71	MP2C	Z	2.019	5
72	MP2C	Mx	.002	5
73	MP3A	X	2.208	1.83
74	MP3A	Z	1.275	1.83
75	MP3A	Mx	-.002	1.83
76	MP3A	X	2.208	3.73
77	MP3A	Z	1.275	3.73
78	MP3A	Mx	-.002	3.73
79	MP3B	X	4.345	1.83
80	MP3B	Z	2.508	1.83
81	MP3B	Mx	1e-6	1.83
82	MP3B	X	4.345	3.73
83	MP3B	Z	2.508	3.73
84	MP3B	Mx	1e-6	3.73
85	MP3C	X	2.208	1.83
86	MP3C	Z	1.275	1.83
87	MP3C	Mx	.002	1.83
88	MP3C	X	2.208	3.73
89	MP3C	Z	1.275	3.73
90	MP3C	Mx	.002	3.73
91	MPSO	X	5.763	.5
92	MPSO	Z	3.327	.5
93	MPSO	Mx	.003	.5
94	MP2A	X	2.588	.25
95	MP2A	Z	1.494	.25
96	MP2A	Mx	.001	.25
97	MP2B	X	3.436	.25
98	MP2B	Z	1.984	.25
99	MP2B	Mx	0	.25
100	MP2C	X	2.588	.25
101	MP2C	Z	1.494	.25
102	MP2C	Mx	-.001	.25
103	MP2A	X	2.422	3.83
104	MP2A	Z	1.398	3.83
105	MP2A	Mx	.001	3.83
106	MP2B	X	3.436	3.83
107	MP2B	Z	1.984	3.83
108	MP2B	Mx	0	3.83
109	MP2C	X	2.422	3.83
110	MP2C	Z	1.398	3.83
111	MP2C	Mx	-.001	3.83
112	MP2A	X	1.016	2
113	MP2A	Z	.587	2
114	MP2A	Mx	.000508	2
115	MP2B	X	2.128	2
116	MP2B	Z	1.229	2
117	MP2B	Mx	0	2
118	MP2C	X	1.016	2
119	MP2C	Z	.587	2
120	MP2C	Mx	-.000508	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.656	.5
2	MP1A	Z	4.601	.5
3	MP1A	Mx	-.003	.5
4	MP1A	X	2.656	3.5
5	MP1A	Z	4.601	3.5
6	MP1A	Mx	-.003	3.5
7	MP1B	X	2.656	.5
8	MP1B	Z	4.601	.5
9	MP1B	Mx	-.003	.5
10	MP1B	X	2.656	3.5
11	MP1B	Z	4.601	3.5
12	MP1B	Mx	-.003	3.5
13	MP1C	X	2.313	.5
14	MP1C	Z	4.006	.5
15	MP1C	Mx	.005	.5
16	MP1C	X	2.313	3.5
17	MP1C	Z	4.006	3.5
18	MP1C	Mx	.005	3.5
19	MP4A	X	2.656	.5
20	MP4A	Z	4.601	.5
21	MP4A	Mx	-.003	.5
22	MP4A	X	2.656	3.5
23	MP4A	Z	4.601	3.5
24	MP4A	Mx	-.003	3.5
25	MP4B	X	2.656	.5
26	MP4B	Z	4.601	.5
27	MP4B	Mx	-.003	.5
28	MP4B	X	2.656	3.5
29	MP4B	Z	4.601	3.5
30	MP4B	Mx	-.003	3.5
31	MP4C	X	2.313	.5
32	MP4C	Z	4.006	.5
33	MP4C	Mx	.005	.5
34	MP4C	X	2.313	3.5
35	MP4C	Z	4.006	3.5
36	MP4C	Mx	.005	3.5
37	MP2A	X	3.023	.5
38	MP2A	Z	5.237	.5
39	MP2A	Mx	3.2e-5	.5
40	MP2A	X	3.023	5
41	MP2A	Z	5.237	5
42	MP2A	Mx	3.2e-5	5
43	MP2B	X	3.023	.5
44	MP2B	Z	5.237	.5
45	MP2B	Mx	-.006	.5
46	MP2B	X	3.023	5
47	MP2B	Z	5.237	5
48	MP2B	Mx	-.006	5
49	MP2C	X	1.516	.5
50	MP2C	Z	2.627	.5
51	MP2C	Mx	.003	.5
52	MP2C	X	1.516	5
53	MP2C	Z	2.627	5
54	MP2C	Mx	.003	5
55	MP2A	X	3.023	.5
56	MP2A	Z	5.237	.5
57	MP2A	Mx	-.006	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	3.023	5
59	MP2A	Z	5.237	5
60	MP2A	Mx	-.006	5
61	MP2B	X	3.023	.5
62	MP2B	Z	5.237	.5
63	MP2B	Mx	3.1e-5	.5
64	MP2B	X	3.023	5
65	MP2B	Z	5.237	5
66	MP2B	Mx	3.1e-5	5
67	MP2C	X	1.516	.5
68	MP2C	Z	2.627	.5
69	MP2C	Mx	.003	.5
70	MP2C	X	1.516	5
71	MP2C	Z	2.627	5
72	MP2C	Mx	.003	5
73	MP3A	X	2.097	1.83
74	MP3A	Z	3.632	1.83
75	MP3A	Mx	-.002	1.83
76	MP3A	X	2.097	3.73
77	MP3A	Z	3.632	3.73
78	MP3A	Mx	-.002	3.73
79	MP3B	X	2.097	1.83
80	MP3B	Z	3.632	1.83
81	MP3B	Mx	-.002	1.83
82	MP3B	X	2.097	3.73
83	MP3B	Z	3.632	3.73
84	MP3B	Mx	-.002	3.73
85	MP3C	X	.864	1.83
86	MP3C	Z	1.496	1.83
87	MP3C	Mx	.002	1.83
88	MP3C	X	.864	3.73
89	MP3C	Z	1.496	3.73
90	MP3C	Mx	.002	3.73
91	MPSO	X	3.814	.5
92	MPSO	Z	6.605	.5
93	MPSO	Mx	.002	.5
94	MP2A	X	1.82	.25
95	MP2A	Z	3.153	.25
96	MP2A	Mx	.00091	.25
97	MP2B	X	1.82	.25
98	MP2B	Z	3.153	.25
99	MP2B	Mx	.00091	.25
100	MP2C	X	1.331	.25
101	MP2C	Z	2.305	.25
102	MP2C	Mx	-.001	.25
103	MP2A	X	1.788	3.83
104	MP2A	Z	3.098	3.83
105	MP2A	Mx	.000894	3.83
106	MP2B	X	1.788	3.83
107	MP2B	Z	3.098	3.83
108	MP2B	Mx	.000894	3.83
109	MP2C	X	1.203	3.83
110	MP2C	Z	2.084	3.83
111	MP2C	Mx	-.001	3.83
112	MP2A	X	1.015	2
113	MP2A	Z	1.757	2
114	MP2A	Mx	.000508	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2B	X	1.015	2
116	MP2B	Z	1.757	2
117	MP2B	Mx	.000507	2
118	MP2C	X	.373	2
119	MP2C	Z	.645	2
120	MP2C	Mx	-.000373	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	5.541	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	3.5
5	MP1A	Z	5.541	3.5
6	MP1A	Mx	0	3.5
7	MP1B	X	0	.5
8	MP1B	Z	4.855	.5
9	MP1B	Mx	-.004	.5
10	MP1B	X	0	3.5
11	MP1B	Z	4.855	3.5
12	MP1B	Mx	-.004	3.5
13	MP1C	X	0	.5
14	MP1C	Z	4.855	.5
15	MP1C	Mx	.004	.5
16	MP1C	X	0	3.5
17	MP1C	Z	4.855	3.5
18	MP1C	Mx	.004	3.5
19	MP4A	X	0	.5
20	MP4A	Z	5.541	.5
21	MP4A	Mx	0	.5
22	MP4A	X	0	3.5
23	MP4A	Z	5.541	3.5
24	MP4A	Mx	0	3.5
25	MP4B	X	0	.5
26	MP4B	Z	4.855	.5
27	MP4B	Mx	-.004	.5
28	MP4B	X	0	3.5
29	MP4B	Z	4.855	3.5
30	MP4B	Mx	-.004	3.5
31	MP4C	X	0	.5
32	MP4C	Z	4.855	.5
33	MP4C	Mx	.004	.5
34	MP4C	X	0	3.5
35	MP4C	Z	4.855	3.5
36	MP4C	Mx	.004	3.5
37	MP2A	X	0	.5
38	MP2A	Z	7.051	.5
39	MP2A	Mx	.004	.5
40	MP2A	X	0	5
41	MP2A	Z	7.051	5
42	MP2A	Mx	.004	5
43	MP2B	X	0	.5
44	MP2B	Z	4.038	.5
45	MP2B	Mx	-.005	.5
46	MP2B	X	0	5
47	MP2B	Z	4.038	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	-.005	5
49	MP2C	X	0	.5
50	MP2C	Z	4.038	.5
51	MP2C	Mx	.002	.5
52	MP2C	X	0	5
53	MP2C	Z	4.038	5
54	MP2C	Mx	.002	5
55	MP2A	X	0	.5
56	MP2A	Z	7.051	.5
57	MP2A	Mx	-.004	.5
58	MP2A	X	0	5
59	MP2A	Z	7.051	5
60	MP2A	Mx	-.004	5
61	MP2B	X	0	.5
62	MP2B	Z	4.038	.5
63	MP2B	Mx	-.002	.5
64	MP2B	X	0	5
65	MP2B	Z	4.038	5
66	MP2B	Mx	-.002	5
67	MP2C	X	0	.5
68	MP2C	Z	4.038	.5
69	MP2C	Mx	.005	.5
70	MP2C	X	0	5
71	MP2C	Z	4.038	5
72	MP2C	Mx	.005	5
73	MP3A	X	0	1.83
74	MP3A	Z	5.017	1.83
75	MP3A	Mx	0	1.83
76	MP3A	X	0	3.73
77	MP3A	Z	5.017	3.73
78	MP3A	Mx	0	3.73
79	MP3B	X	0	1.83
80	MP3B	Z	2.55	1.83
81	MP3B	Mx	-.002	1.83
82	MP3B	X	0	3.73
83	MP3B	Z	2.55	3.73
84	MP3B	Mx	-.002	3.73
85	MP3C	X	0	1.83
86	MP3C	Z	2.55	1.83
87	MP3C	Mx	.002	1.83
88	MP3C	X	0	3.73
89	MP3C	Z	2.55	3.73
90	MP3C	Mx	.002	3.73
91	MPSO	X	0	.5
92	MPSO	Z	8.114	.5
93	MPSO	Mx	0	.5
94	MP2A	X	0	.25
95	MP2A	Z	3.967	.25
96	MP2A	Mx	0	.25
97	MP2B	X	0	.25
98	MP2B	Z	2.988	.25
99	MP2B	Mx	.001	.25
100	MP2C	X	0	.25
101	MP2C	Z	2.988	.25
102	MP2C	Mx	-.001	.25
103	MP2A	X	0	3.83
104	MP2A	Z	3.967	3.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP2A	Mx	0	3.83
106	MP2B	X	0	3.83
107	MP2B	Z	2.796	3.83
108	MP2B	Mx	.001	3.83
109	MP2C	X	0	3.83
110	MP2C	Z	2.796	3.83
111	MP2C	Mx	-.001	3.83
112	MP2A	X	0	2
113	MP2A	Z	2.457	2
114	MP2A	Mx	0	2
115	MP2B	X	0	2
116	MP2B	Z	1.173	2
117	MP2B	Mx	.000508	2
118	MP2C	X	0	2
119	MP2C	Z	1.173	2
120	MP2C	Mx	-.000508	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.656	.5
2	MP1A	Z	4.601	.5
3	MP1A	Mx	.003	.5
4	MP1A	X	-2.656	3.5
5	MP1A	Z	4.601	3.5
6	MP1A	Mx	.003	3.5
7	MP1B	X	-2.313	.5
8	MP1B	Z	4.006	.5
9	MP1B	Mx	-.005	.5
10	MP1B	X	-2.313	3.5
11	MP1B	Z	4.006	3.5
12	MP1B	Mx	-.005	3.5
13	MP1C	X	-2.656	.5
14	MP1C	Z	4.601	.5
15	MP1C	Mx	.003	.5
16	MP1C	X	-2.656	3.5
17	MP1C	Z	4.601	3.5
18	MP1C	Mx	.003	3.5
19	MP4A	X	-2.656	.5
20	MP4A	Z	4.601	.5
21	MP4A	Mx	.003	.5
22	MP4A	X	-2.656	3.5
23	MP4A	Z	4.601	3.5
24	MP4A	Mx	.003	3.5
25	MP4B	X	-2.313	.5
26	MP4B	Z	4.006	.5
27	MP4B	Mx	-.005	.5
28	MP4B	X	-2.313	3.5
29	MP4B	Z	4.006	3.5
30	MP4B	Mx	-.005	3.5
31	MP4C	X	-2.656	.5
32	MP4C	Z	4.601	.5
33	MP4C	Mx	.003	.5
34	MP4C	X	-2.656	3.5
35	MP4C	Z	4.601	3.5
36	MP4C	Mx	.003	3.5
37	MP2A	X	-3.023	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2A	Z	5.237	.5
39	MP2A	Mx	.006	.5
40	MP2A	X	-3.023	5
41	MP2A	Z	5.237	5
42	MP2A	Mx	.006	5
43	MP2B	X	-1.516	.5
44	MP2B	Z	2.627	.5
45	MP2B	Mx	-.003	.5
46	MP2B	X	-1.516	5
47	MP2B	Z	2.627	5
48	MP2B	Mx	-.003	5
49	MP2C	X	-3.023	.5
50	MP2C	Z	5.237	.5
51	MP2C	Mx	-3.1e-5	.5
52	MP2C	X	-3.023	5
53	MP2C	Z	5.237	5
54	MP2C	Mx	-3.1e-5	5
55	MP2A	X	-3.023	.5
56	MP2A	Z	5.237	.5
57	MP2A	Mx	-3.2e-5	.5
58	MP2A	X	-3.023	5
59	MP2A	Z	5.237	5
60	MP2A	Mx	-3.2e-5	5
61	MP2B	X	-1.516	.5
62	MP2B	Z	2.627	.5
63	MP2B	Mx	-.003	.5
64	MP2B	X	-1.516	5
65	MP2B	Z	2.627	5
66	MP2B	Mx	-.003	5
67	MP2C	X	-3.023	.5
68	MP2C	Z	5.237	.5
69	MP2C	Mx	.006	.5
70	MP2C	X	-3.023	5
71	MP2C	Z	5.237	5
72	MP2C	Mx	.006	5
73	MP3A	X	-2.097	1.83
74	MP3A	Z	3.632	1.83
75	MP3A	Mx	.002	1.83
76	MP3A	X	-2.097	3.73
77	MP3A	Z	3.632	3.73
78	MP3A	Mx	.002	3.73
79	MP3B	X	-.864	1.83
80	MP3B	Z	1.496	1.83
81	MP3B	Mx	-.002	1.83
82	MP3B	X	-.864	3.73
83	MP3B	Z	1.496	3.73
84	MP3B	Mx	-.002	3.73
85	MP3C	X	-2.097	1.83
86	MP3C	Z	3.632	1.83
87	MP3C	Mx	.002	1.83
88	MP3C	X	-2.097	3.73
89	MP3C	Z	3.632	3.73
90	MP3C	Mx	.002	3.73
91	MPSO	X	-3.814	.5
92	MPSO	Z	6.605	.5
93	MPSO	Mx	-.002	.5
94	MP2A	X	-1.82	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2A	Z	3.153	.25
96	MP2A	Mx	-.00091	.25
97	MP2B	X	-1.331	.25
98	MP2B	Z	2.305	.25
99	MP2B	Mx	.001	.25
100	MP2C	X	-1.82	.25
101	MP2C	Z	3.153	.25
102	MP2C	Mx	-.00091	.25
103	MP2A	X	-1.788	3.83
104	MP2A	Z	3.098	3.83
105	MP2A	Mx	-.000894	3.83
106	MP2B	X	-1.203	3.83
107	MP2B	Z	2.084	3.83
108	MP2B	Mx	.001	3.83
109	MP2C	X	-1.788	3.83
110	MP2C	Z	3.098	3.83
111	MP2C	Mx	-.000894	3.83
112	MP2A	X	-1.015	2
113	MP2A	Z	1.757	2
114	MP2A	Mx	-.000508	2
115	MP2B	X	-.373	2
116	MP2B	Z	.645	2
117	MP2B	Mx	.000373	2
118	MP2C	X	-1.015	2
119	MP2C	Z	1.757	2
120	MP2C	Mx	-.000507	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.204	.5
2	MP1A	Z	2.427	.5
3	MP1A	Mx	.004	.5
4	MP1A	X	-4.204	3.5
5	MP1A	Z	2.427	3.5
6	MP1A	Mx	.004	3.5
7	MP1B	X	-4.204	.5
8	MP1B	Z	2.427	.5
9	MP1B	Mx	-.004	.5
10	MP1B	X	-4.204	3.5
11	MP1B	Z	2.427	3.5
12	MP1B	Mx	-.004	3.5
13	MP1C	X	-4.799	.5
14	MP1C	Z	2.771	.5
15	MP1C	Mx	0	.5
16	MP1C	X	-4.799	3.5
17	MP1C	Z	2.771	3.5
18	MP1C	Mx	0	3.5
19	MP4A	X	-4.204	.5
20	MP4A	Z	2.427	.5
21	MP4A	Mx	.004	.5
22	MP4A	X	-4.204	3.5
23	MP4A	Z	2.427	3.5
24	MP4A	Mx	.004	3.5
25	MP4B	X	-4.204	.5
26	MP4B	Z	2.427	.5
27	MP4B	Mx	-.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4B	X	-4.204	3.5
29	MP4B	Z	2.427	3.5
30	MP4B	Mx	-.004	3.5
31	MP4C	X	-4.799	.5
32	MP4C	Z	2.771	.5
33	MP4C	Mx	0	.5
34	MP4C	X	-4.799	3.5
35	MP4C	Z	2.771	3.5
36	MP4C	Mx	0	3.5
37	MP2A	X	-3.497	.5
38	MP2A	Z	2.019	.5
39	MP2A	Mx	.005	.5
40	MP2A	X	-3.497	5
41	MP2A	Z	2.019	5
42	MP2A	Mx	.005	5
43	MP2B	X	-3.497	.5
44	MP2B	Z	2.019	.5
45	MP2B	Mx	-.002	.5
46	MP2B	X	-3.497	5
47	MP2B	Z	2.019	5
48	MP2B	Mx	-.002	5
49	MP2C	X	-6.107	.5
50	MP2C	Z	3.526	.5
51	MP2C	Mx	-.004	.5
52	MP2C	X	-6.107	5
53	MP2C	Z	3.526	5
54	MP2C	Mx	-.004	5
55	MP2A	X	-3.497	.5
56	MP2A	Z	2.019	.5
57	MP2A	Mx	.002	.5
58	MP2A	X	-3.497	5
59	MP2A	Z	2.019	5
60	MP2A	Mx	.002	5
61	MP2B	X	-3.497	.5
62	MP2B	Z	2.019	.5
63	MP2B	Mx	-.005	.5
64	MP2B	X	-3.497	5
65	MP2B	Z	2.019	5
66	MP2B	Mx	-.005	5
67	MP2C	X	-6.107	.5
68	MP2C	Z	3.526	.5
69	MP2C	Mx	.004	.5
70	MP2C	X	-6.107	5
71	MP2C	Z	3.526	5
72	MP2C	Mx	.004	5
73	MP3A	X	-2.208	1.83
74	MP3A	Z	1.275	1.83
75	MP3A	Mx	.002	1.83
76	MP3A	X	-2.208	3.73
77	MP3A	Z	1.275	3.73
78	MP3A	Mx	.002	3.73
79	MP3B	X	-2.208	1.83
80	MP3B	Z	1.275	1.83
81	MP3B	Mx	-.002	1.83
82	MP3B	X	-2.208	3.73
83	MP3B	Z	1.275	3.73
84	MP3B	Mx	-.002	3.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP3C	X	-4.345	1.83
86	MP3C	Z	2.508	1.83
87	MP3C	Mx	-1e-6	1.83
88	MP3C	X	-4.345	3.73
89	MP3C	Z	2.508	3.73
90	MP3C	Mx	-1e-6	3.73
91	MPSO	X	-5.763	.5
92	MPSO	Z	3.327	.5
93	MPSO	Mx	-.003	.5
94	MP2A	X	-2.588	.25
95	MP2A	Z	1.494	.25
96	MP2A	Mx	-.001	.25
97	MP2B	X	-2.588	.25
98	MP2B	Z	1.494	.25
99	MP2B	Mx	.001	.25
100	MP2C	X	-3.436	.25
101	MP2C	Z	1.984	.25
102	MP2C	Mx	0	.25
103	MP2A	X	-2.422	3.83
104	MP2A	Z	1.398	3.83
105	MP2A	Mx	-.001	3.83
106	MP2B	X	-2.422	3.83
107	MP2B	Z	1.398	3.83
108	MP2B	Mx	.001	3.83
109	MP2C	X	-3.436	3.83
110	MP2C	Z	1.984	3.83
111	MP2C	Mx	0	3.83
112	MP2A	X	-1.016	2
113	MP2A	Z	.587	2
114	MP2A	Mx	-.000508	2
115	MP2B	X	-1.016	2
116	MP2B	Z	.587	2
117	MP2B	Mx	.000508	2
118	MP2C	X	-2.128	2
119	MP2C	Z	1.229	2
120	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.626	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.005	.5
4	MP1A	X	-4.626	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	.005	3.5
7	MP1B	X	-5.312	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.003	.5
10	MP1B	X	-5.312	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	-.003	3.5
13	MP1C	X	-5.312	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.003	.5
16	MP1C	X	-5.312	3.5
17	MP1C	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	-.003	3.5
19	MP4A	X	-4.626	.5
20	MP4A	Z	0	.5
21	MP4A	Mx	.005	.5
22	MP4A	X	-4.626	3.5
23	MP4A	Z	0	3.5
24	MP4A	Mx	.005	3.5
25	MP4B	X	-5.312	.5
26	MP4B	Z	0	.5
27	MP4B	Mx	-.003	.5
28	MP4B	X	-5.312	3.5
29	MP4B	Z	0	3.5
30	MP4B	Mx	-.003	3.5
31	MP4C	X	-5.312	.5
32	MP4C	Z	0	.5
33	MP4C	Mx	-.003	.5
34	MP4C	X	-5.312	3.5
35	MP4C	Z	0	3.5
36	MP4C	Mx	-.003	3.5
37	MP2A	X	-3.033	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.003	.5
40	MP2A	X	-3.033	5
41	MP2A	Z	0	5
42	MP2A	Mx	.003	5
43	MP2B	X	-6.047	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	3.1e-5	.5
46	MP2B	X	-6.047	5
47	MP2B	Z	0	5
48	MP2B	Mx	3.1e-5	5
49	MP2C	X	-6.047	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.006	.5
52	MP2C	X	-6.047	5
53	MP2C	Z	0	5
54	MP2C	Mx	-.006	5
55	MP2A	X	-3.033	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.003	.5
58	MP2A	X	-3.033	5
59	MP2A	Z	0	5
60	MP2A	Mx	.003	5
61	MP2B	X	-6.047	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	-.006	.5
64	MP2B	X	-6.047	5
65	MP2B	Z	0	5
66	MP2B	Mx	-.006	5
67	MP2C	X	-6.047	.5
68	MP2C	Z	0	.5
69	MP2C	Mx	3.1e-5	.5
70	MP2C	X	-6.047	5
71	MP2C	Z	0	5
72	MP2C	Mx	3.1e-5	5
73	MP3A	X	-1.728	1.83
74	MP3A	Z	0	1.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	.002	1.83
76	MP3A	X	-1.728	3.73
77	MP3A	Z	0	3.73
78	MP3A	Mx	.002	3.73
79	MP3B	X	-4.194	1.83
80	MP3B	Z	0	1.83
81	MP3B	Mx	-.002	1.83
82	MP3B	X	-4.194	3.73
83	MP3B	Z	0	3.73
84	MP3B	Mx	-.002	3.73
85	MP3C	X	-4.194	1.83
86	MP3C	Z	0	1.83
87	MP3C	Mx	-.002	1.83
88	MP3C	X	-4.194	3.73
89	MP3C	Z	0	3.73
90	MP3C	Mx	-.002	3.73
91	MPSO	X	-6.168	.5
92	MPSO	Z	0	.5
93	MPSO	Mx	-.003	.5
94	MP2A	X	-2.662	.25
95	MP2A	Z	0	.25
96	MP2A	Mx	-.001	.25
97	MP2B	X	-3.641	.25
98	MP2B	Z	0	.25
99	MP2B	Mx	.00091	.25
100	MP2C	X	-3.641	.25
101	MP2C	Z	0	.25
102	MP2C	Mx	.00091	.25
103	MP2A	X	-2.406	3.83
104	MP2A	Z	0	3.83
105	MP2A	Mx	-.001	3.83
106	MP2B	X	-3.577	3.83
107	MP2B	Z	0	3.83
108	MP2B	Mx	.000894	3.83
109	MP2C	X	-3.577	3.83
110	MP2C	Z	0	3.83
111	MP2C	Mx	.000894	3.83
112	MP2A	X	-.745	2
113	MP2A	Z	0	2
114	MP2A	Mx	-.000372	2
115	MP2B	X	-2.029	2
116	MP2B	Z	0	2
117	MP2B	Mx	.000507	2
118	MP2C	X	-2.029	2
119	MP2C	Z	0	2
120	MP2C	Mx	.000507	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.204	.5
2	MP1A	Z	-2.427	.5
3	MP1A	Mx	.004	.5
4	MP1A	X	-4.204	3.5
5	MP1A	Z	-2.427	3.5
6	MP1A	Mx	.004	3.5
7	MP1B	X	-4.799	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1B	Z	-2.771	.5
9	MP1B	Mx	0	.5
10	MP1B	X	-4.799	3.5
11	MP1B	Z	-2.771	3.5
12	MP1B	Mx	0	3.5
13	MP1C	X	-4.204	.5
14	MP1C	Z	-2.427	.5
15	MP1C	Mx	-.004	.5
16	MP1C	X	-4.204	3.5
17	MP1C	Z	-2.427	3.5
18	MP1C	Mx	-.004	3.5
19	MP4A	X	-4.204	.5
20	MP4A	Z	-2.427	.5
21	MP4A	Mx	.004	.5
22	MP4A	X	-4.204	3.5
23	MP4A	Z	-2.427	3.5
24	MP4A	Mx	.004	3.5
25	MP4B	X	-4.799	.5
26	MP4B	Z	-2.771	.5
27	MP4B	Mx	0	.5
28	MP4B	X	-4.799	3.5
29	MP4B	Z	-2.771	3.5
30	MP4B	Mx	0	3.5
31	MP4C	X	-4.204	.5
32	MP4C	Z	-2.427	.5
33	MP4C	Mx	-.004	.5
34	MP4C	X	-4.204	3.5
35	MP4C	Z	-2.427	3.5
36	MP4C	Mx	-.004	3.5
37	MP2A	X	-3.497	.5
38	MP2A	Z	-2.019	.5
39	MP2A	Mx	.002	.5
40	MP2A	X	-3.497	5
41	MP2A	Z	-2.019	5
42	MP2A	Mx	.002	5
43	MP2B	X	-6.107	.5
44	MP2B	Z	-3.526	.5
45	MP2B	Mx	.004	.5
46	MP2B	X	-6.107	5
47	MP2B	Z	-3.526	5
48	MP2B	Mx	.004	5
49	MP2C	X	-3.497	.5
50	MP2C	Z	-2.019	.5
51	MP2C	Mx	-.005	.5
52	MP2C	X	-3.497	5
53	MP2C	Z	-2.019	5
54	MP2C	Mx	-.005	5
55	MP2A	X	-3.497	.5
56	MP2A	Z	-2.019	.5
57	MP2A	Mx	.005	.5
58	MP2A	X	-3.497	5
59	MP2A	Z	-2.019	5
60	MP2A	Mx	.005	5
61	MP2B	X	-6.107	.5
62	MP2B	Z	-3.526	.5
63	MP2B	Mx	-.004	.5
64	MP2B	X	-6.107	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2B	Z	-3.526	5
66	MP2B	Mx	-.004	5
67	MP2C	X	-3.497	.5
68	MP2C	Z	-2.019	.5
69	MP2C	Mx	-.002	.5
70	MP2C	X	-3.497	5
71	MP2C	Z	-2.019	5
72	MP2C	Mx	-.002	5
73	MP3A	X	-2.208	1.83
74	MP3A	Z	-1.275	1.83
75	MP3A	Mx	.002	1.83
76	MP3A	X	-2.208	3.73
77	MP3A	Z	-1.275	3.73
78	MP3A	Mx	.002	3.73
79	MP3B	X	-4.345	1.83
80	MP3B	Z	-2.508	1.83
81	MP3B	Mx	-1e-6	1.83
82	MP3B	X	-4.345	3.73
83	MP3B	Z	-2.508	3.73
84	MP3B	Mx	-1e-6	3.73
85	MP3C	X	-2.208	1.83
86	MP3C	Z	-1.275	1.83
87	MP3C	Mx	-.002	1.83
88	MP3C	X	-2.208	3.73
89	MP3C	Z	-1.275	3.73
90	MP3C	Mx	-.002	3.73
91	MPSO	X	-5.763	.5
92	MPSO	Z	-3.327	.5
93	MPSO	Mx	-.003	.5
94	MP2A	X	-2.588	.25
95	MP2A	Z	-1.494	.25
96	MP2A	Mx	-.001	.25
97	MP2B	X	-3.436	.25
98	MP2B	Z	-1.984	.25
99	MP2B	Mx	0	.25
100	MP2C	X	-2.588	.25
101	MP2C	Z	-1.494	.25
102	MP2C	Mx	.001	.25
103	MP2A	X	-2.422	3.83
104	MP2A	Z	-1.398	3.83
105	MP2A	Mx	-.001	3.83
106	MP2B	X	-3.436	3.83
107	MP2B	Z	-1.984	3.83
108	MP2B	Mx	0	3.83
109	MP2C	X	-2.422	3.83
110	MP2C	Z	-1.398	3.83
111	MP2C	Mx	.001	3.83
112	MP2A	X	-1.016	2
113	MP2A	Z	-.587	2
114	MP2A	Mx	-.000508	2
115	MP2B	X	-2.128	2
116	MP2B	Z	-1.229	2
117	MP2B	Mx	0	2
118	MP2C	X	-1.016	2
119	MP2C	Z	-.587	2
120	MP2C	Mx	.000508	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.656	.5
2	MP1A	Z	-4.601	.5
3	MP1A	Mx	.003	.5
4	MP1A	X	-2.656	3.5
5	MP1A	Z	-4.601	3.5
6	MP1A	Mx	.003	3.5
7	MP1B	X	-2.656	.5
8	MP1B	Z	-4.601	.5
9	MP1B	Mx	.003	.5
10	MP1B	X	-2.656	3.5
11	MP1B	Z	-4.601	3.5
12	MP1B	Mx	.003	3.5
13	MP1C	X	-2.313	.5
14	MP1C	Z	-4.006	.5
15	MP1C	Mx	-.005	.5
16	MP1C	X	-2.313	3.5
17	MP1C	Z	-4.006	3.5
18	MP1C	Mx	-.005	3.5
19	MP4A	X	-2.656	.5
20	MP4A	Z	-4.601	.5
21	MP4A	Mx	.003	.5
22	MP4A	X	-2.656	3.5
23	MP4A	Z	-4.601	3.5
24	MP4A	Mx	.003	3.5
25	MP4B	X	-2.656	.5
26	MP4B	Z	-4.601	.5
27	MP4B	Mx	.003	.5
28	MP4B	X	-2.656	3.5
29	MP4B	Z	-4.601	3.5
30	MP4B	Mx	.003	3.5
31	MP4C	X	-2.313	.5
32	MP4C	Z	-4.006	.5
33	MP4C	Mx	-.005	.5
34	MP4C	X	-2.313	3.5
35	MP4C	Z	-4.006	3.5
36	MP4C	Mx	-.005	3.5
37	MP2A	X	-3.023	.5
38	MP2A	Z	-5.237	.5
39	MP2A	Mx	-3.2e-5	.5
40	MP2A	X	-3.023	5
41	MP2A	Z	-5.237	5
42	MP2A	Mx	-3.2e-5	5
43	MP2B	X	-3.023	.5
44	MP2B	Z	-5.237	.5
45	MP2B	Mx	.006	.5
46	MP2B	X	-3.023	5
47	MP2B	Z	-5.237	5
48	MP2B	Mx	.006	5
49	MP2C	X	-1.516	.5
50	MP2C	Z	-2.627	.5
51	MP2C	Mx	-.003	.5
52	MP2C	X	-1.516	5
53	MP2C	Z	-2.627	5
54	MP2C	Mx	-.003	5
55	MP2A	X	-3.023	.5
56	MP2A	Z	-5.237	.5
57	MP2A	Mx	.006	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-3.023	5
59	MP2A	Z	-5.237	5
60	MP2A	Mx	.006	5
61	MP2B	X	-3.023	.5
62	MP2B	Z	-5.237	.5
63	MP2B	Mx	-3.1e-5	.5
64	MP2B	X	-3.023	5
65	MP2B	Z	-5.237	5
66	MP2B	Mx	-3.1e-5	5
67	MP2C	X	-1.516	.5
68	MP2C	Z	-2.627	.5
69	MP2C	Mx	-.003	.5
70	MP2C	X	-1.516	5
71	MP2C	Z	-2.627	5
72	MP2C	Mx	-.003	5
73	MP3A	X	-2.097	1.83
74	MP3A	Z	-3.632	1.83
75	MP3A	Mx	.002	1.83
76	MP3A	X	-2.097	3.73
77	MP3A	Z	-3.632	3.73
78	MP3A	Mx	.002	3.73
79	MP3B	X	-2.097	1.83
80	MP3B	Z	-3.632	1.83
81	MP3B	Mx	.002	1.83
82	MP3B	X	-2.097	3.73
83	MP3B	Z	-3.632	3.73
84	MP3B	Mx	.002	3.73
85	MP3C	X	-.864	1.83
86	MP3C	Z	-1.496	1.83
87	MP3C	Mx	-.002	1.83
88	MP3C	X	-.864	3.73
89	MP3C	Z	-1.496	3.73
90	MP3C	Mx	-.002	3.73
91	MPSO	X	-3.814	.5
92	MPSO	Z	-6.605	.5
93	MPSO	Mx	-.002	.5
94	MP2A	X	-1.82	.25
95	MP2A	Z	-3.153	.25
96	MP2A	Mx	-.00091	.25
97	MP2B	X	-1.82	.25
98	MP2B	Z	-3.153	.25
99	MP2B	Mx	-.00091	.25
100	MP2C	X	-1.331	.25
101	MP2C	Z	-2.305	.25
102	MP2C	Mx	.001	.25
103	MP2A	X	-1.788	3.83
104	MP2A	Z	-3.098	3.83
105	MP2A	Mx	-.000894	3.83
106	MP2B	X	-1.788	3.83
107	MP2B	Z	-3.098	3.83
108	MP2B	Mx	-.000894	3.83
109	MP2C	X	-1.203	3.83
110	MP2C	Z	-2.084	3.83
111	MP2C	Mx	.001	3.83
112	MP2A	X	-1.015	2
113	MP2A	Z	-1.757	2
114	MP2A	Mx	-.000508	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2B	X	-1.015	2
116	MP2B	Z	-1.757	2
117	MP2B	Mx	-.000507	2
118	MP2C	X	-.373	2
119	MP2C	Z	-.645	2
120	MP2C	Mx	.000373	2

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M29	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M35	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	CBA1	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	CBA1	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-.145	.5
2	MP1A	My	-.000145	.5
3	MP1A	Mz	0	.5
4	MP1A	Y	-.145	3.5
5	MP1A	My	-.000145	3.5
6	MP1A	Mz	0	3.5
7	MP1B	Y	-.145	.5
8	MP1B	My	7.2e-5	.5
9	MP1B	Mz	-.000125	.5
10	MP1B	Y	-.145	3.5
11	MP1B	My	7.2e-5	3.5
12	MP1B	Mz	-.000125	3.5
13	MP1C	Y	-.145	.5
14	MP1C	My	7.2e-5	.5
15	MP1C	Mz	.000125	.5
16	MP1C	Y	-.145	3.5
17	MP1C	My	7.2e-5	3.5
18	MP1C	Mz	.000125	3.5
19	MP4A	Y	-.145	.5
20	MP4A	My	-.000145	.5
21	MP4A	Mz	0	.5
22	MP4A	Y	-.145	3.5
23	MP4A	My	-.000145	3.5
24	MP4A	Mz	0	3.5
25	MP4B	Y	-.145	.5
26	MP4B	My	7.2e-5	.5
27	MP4B	Mz	-.000125	.5
28	MP4B	Y	-.145	3.5
29	MP4B	My	7.2e-5	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP4B	Mz	-.000125	3.5
31	MP4C	Y	-.145	.5
32	MP4C	My	7.2e-5	.5
33	MP4C	Mz	.000125	.5
34	MP4C	Y	-.145	3.5
35	MP4C	My	7.2e-5	3.5
36	MP4C	Mz	.000125	3.5
37	MP2A	Y	-.482	.5
38	MP2A	My	-.000482	.5
39	MP2A	Mz	.000281	.5
40	MP2A	Y	-.482	5
41	MP2A	My	-.000482	5
42	MP2A	Mz	.000281	5
43	MP2B	Y	-.482	.5
44	MP2B	My	-2e-6	.5
45	MP2B	Mz	-.000558	.5
46	MP2B	Y	-.482	5
47	MP2B	My	-2e-6	5
48	MP2B	Mz	-.000558	5
49	MP2C	Y	-.482	.5
50	MP2C	My	.000485	.5
51	MP2C	Mz	.000277	.5
52	MP2C	Y	-.482	5
53	MP2C	My	.000485	5
54	MP2C	Mz	.000277	5
55	MP2A	Y	-.482	.5
56	MP2A	My	-.000482	.5
57	MP2A	Mz	-.000281	.5
58	MP2A	Y	-.482	5
59	MP2A	My	-.000482	5
60	MP2A	Mz	-.000281	5
61	MP2B	Y	-.482	.5
62	MP2B	My	.000485	.5
63	MP2B	Mz	-.000277	.5
64	MP2B	Y	-.482	5
65	MP2B	My	.000485	5
66	MP2B	Mz	-.000277	5
67	MP2C	Y	-.482	.5
68	MP2C	My	-2e-6	.5
69	MP2C	Mz	.000558	.5
70	MP2C	Y	-.482	5
71	MP2C	My	-2e-6	5
72	MP2C	Mz	.000558	5
73	MP3A	Y	-1.05	1.83
74	MP3A	My	-.001	1.83
75	MP3A	Mz	0	1.83
76	MP3A	Y	-1.05	3.73
77	MP3A	My	-.001	3.73
78	MP3A	Mz	0	3.73
79	MP3B	Y	-1.05	1.83
80	MP3B	My	.000525	1.83
81	MP3B	Mz	-.00091	1.83
82	MP3B	Y	-1.05	3.73
83	MP3B	My	.000525	3.73
84	MP3B	Mz	-.00091	3.73
85	MP3C	Y	-1.05	1.83
86	MP3C	My	.000525	1.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP3C	Mz	.00091	1.83
88	MP3C	Y	-1.05	3.73
89	MP3C	My	.000525	3.73
90	MP3C	Mz	.00091	3.73
91	MPSO	Y	-.772	.5
92	MPSO	My	.000386	.5
93	MPSO	Mz	0	.5
94	MP2A	Y	-1.802	.25
95	MP2A	My	.000901	.25
96	MP2A	Mz	0	.25
97	MP2B	Y	-1.802	.25
98	MP2B	My	-.00045	.25
99	MP2B	Mz	.00078	.25
100	MP2C	Y	-1.802	.25
101	MP2C	My	-.00045	.25
102	MP2C	Mz	-.00078	.25
103	MP2A	Y	-1.696	3.83
104	MP2A	My	.000848	3.83
105	MP2A	Mz	0	3.83
106	MP2B	Y	-1.696	3.83
107	MP2B	My	-.000424	3.83
108	MP2B	Mz	.000734	3.83
109	MP2C	Y	-1.696	3.83
110	MP2C	My	-.000424	3.83
111	MP2C	Mz	-.000734	3.83
112	MP2A	Y	-.425	2
113	MP2A	My	.000212	2
114	MP2A	Mz	0	2
115	MP2B	Y	-.425	2
116	MP2B	My	-.000106	2
117	MP2B	Mz	.000184	2
118	MP2C	Y	-.425	2
119	MP2C	My	-.000106	2
120	MP2C	Mz	-.000184	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Z	-.362	.5
2	MP1A	Mx	0	.5
3	MP1A	Z	-.362	3.5
4	MP1A	Mx	0	3.5
5	MP1B	Z	-.362	.5
6	MP1B	Mx	.000313	.5
7	MP1B	Z	-.362	3.5
8	MP1B	Mx	.000313	3.5
9	MP1C	Z	-.362	.5
10	MP1C	Mx	-.000313	.5
11	MP1C	Z	-.362	3.5
12	MP1C	Mx	-.000313	3.5
13	MP4A	Z	-.362	.5
14	MP4A	Mx	0	.5
15	MP4A	Z	-.362	3.5
16	MP4A	Mx	0	3.5
17	MP4B	Z	-.362	.5
18	MP4B	Mx	.000313	.5
19	MP4B	Z	-.362	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP4B	Mx	.000313	3.5
21	MP4C	Z	-.362	.5
22	MP4C	Mx	-.000313	.5
23	MP4C	Z	-.362	3.5
24	MP4C	Mx	-.000313	3.5
25	MP2A	Z	-1.206	.5
26	MP2A	Mx	-.000704	.5
27	MP2A	Z	-1.206	5
28	MP2A	Mx	-.000704	5
29	MP2B	Z	-1.206	.5
30	MP2B	Mx	.001	.5
31	MP2B	Z	-1.206	5
32	MP2B	Mx	.001	5
33	MP2C	Z	-1.206	.5
34	MP2C	Mx	-.000693	.5
35	MP2C	Z	-1.206	5
36	MP2C	Mx	-.000693	5
37	MP2A	Z	-1.206	.5
38	MP2A	Mx	.000704	.5
39	MP2A	Z	-1.206	5
40	MP2A	Mx	.000704	5
41	MP2B	Z	-1.206	.5
42	MP2B	Mx	.000693	.5
43	MP2B	Z	-1.206	5
44	MP2B	Mx	.000693	5
45	MP2C	Z	-1.206	.5
46	MP2C	Mx	-.001	.5
47	MP2C	Z	-1.206	5
48	MP2C	Mx	-.001	5
49	MP3A	Z	-2.626	1.83
50	MP3A	Mx	0	1.83
51	MP3A	Z	-2.626	3.73
52	MP3A	Mx	0	3.73
53	MP3B	Z	-2.626	1.83
54	MP3B	Mx	.002	1.83
55	MP3B	Z	-2.626	3.73
56	MP3B	Mx	.002	3.73
57	MP3C	Z	-2.626	1.83
58	MP3C	Mx	-.002	1.83
59	MP3C	Z	-2.626	3.73
60	MP3C	Mx	-.002	3.73
61	MPSO	Z	-1.93	.5
62	MPSO	Mx	0	.5
63	MP2A	Z	-4.504	.25
64	MP2A	Mx	0	.25
65	MP2B	Z	-4.504	.25
66	MP2B	Mx	-.002	.25
67	MP2C	Z	-4.504	.25
68	MP2C	Mx	.002	.25
69	MP2A	Z	-4.239	3.83
70	MP2A	Mx	0	3.83
71	MP2B	Z	-4.239	3.83
72	MP2B	Mx	-.002	3.83
73	MP2C	Z	-4.239	3.83
74	MP2C	Mx	.002	3.83
75	MP2A	Z	-1.061	2
76	MP2A	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP2B	Z	-1.061	2
78	MP2B	Mx	-.00046	2
79	MP2C	Z	-1.061	2
80	MP2C	Mx	.00046	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	.362	.5
2	MP1A	Mx	-.000362	.5
3	MP1A	X	.362	3.5
4	MP1A	Mx	-.000362	3.5
5	MP1B	X	.362	.5
6	MP1B	Mx	.000181	.5
7	MP1B	X	.362	3.5
8	MP1B	Mx	.000181	3.5
9	MP1C	X	.362	.5
10	MP1C	Mx	.000181	.5
11	MP1C	X	.362	3.5
12	MP1C	Mx	.000181	3.5
13	MP4A	X	.362	.5
14	MP4A	Mx	-.000362	.5
15	MP4A	X	.362	3.5
16	MP4A	Mx	-.000362	3.5
17	MP4B	X	.362	.5
18	MP4B	Mx	.000181	.5
19	MP4B	X	.362	3.5
20	MP4B	Mx	.000181	3.5
21	MP4C	X	.362	.5
22	MP4C	Mx	.000181	.5
23	MP4C	X	.362	3.5
24	MP4C	Mx	.000181	3.5
25	MP2A	X	1.206	.5
26	MP2A	Mx	-.001	.5
27	MP2A	X	1.206	5
28	MP2A	Mx	-.001	5
29	MP2B	X	1.206	.5
30	MP2B	Mx	-6e-6	.5
31	MP2B	X	1.206	5
32	MP2B	Mx	-6e-6	5
33	MP2C	X	1.206	.5
34	MP2C	Mx	.001	.5
35	MP2C	X	1.206	5
36	MP2C	Mx	.001	5
37	MP2A	X	1.206	.5
38	MP2A	Mx	-.001	.5
39	MP2A	X	1.206	5
40	MP2A	Mx	-.001	5
41	MP2B	X	1.206	.5
42	MP2B	Mx	.001	.5
43	MP2B	X	1.206	5
44	MP2B	Mx	.001	5
45	MP2C	X	1.206	.5
46	MP2C	Mx	-6e-6	.5
47	MP2C	X	1.206	5
48	MP2C	Mx	-6e-6	5
49	MP3A	X	2.626	1.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3A	Mx	-.003	1.83
51	MP3A	X	2.626	3.73
52	MP3A	Mx	-.003	3.73
53	MP3B	X	2.626	1.83
54	MP3B	Mx	.001	1.83
55	MP3B	X	2.626	3.73
56	MP3B	Mx	.001	3.73
57	MP3C	X	2.626	1.83
58	MP3C	Mx	.001	1.83
59	MP3C	X	2.626	3.73
60	MP3C	Mx	.001	3.73
61	MPSO	X	1.93	.5
62	MPSO	Mx	.000965	.5
63	MP2A	X	4.504	.25
64	MP2A	Mx	.002	.25
65	MP2B	X	4.504	.25
66	MP2B	Mx	-.001	.25
67	MP2C	X	4.504	.25
68	MP2C	Mx	-.001	.25
69	MP2A	X	4.239	3.83
70	MP2A	Mx	.002	3.83
71	MP2B	X	4.239	3.83
72	MP2B	Mx	-.001	3.83
73	MP2C	X	4.239	3.83
74	MP2C	Mx	-.001	3.83
75	MP2A	X	1.061	2
76	MP2A	Mx	.000531	2
77	MP2B	X	1.061	2
78	MP2B	Mx	-.000265	2
79	MP2C	X	1.061	2
80	MP2C	Mx	-.000265	2

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	Y	-7.552	-7.552	0	%100
2	CBB1	Y	-7.552	-7.552	0	%100
3	CBA1	Y	-7.552	-7.552	0	%100
4	M7	Y	-7.552	-7.552	0	%100
5	M8	Y	-7.552	-7.552	0	%100
6	M9	Y	-7.552	-7.552	0	%100
7	M10	Y	-11.066	-11.066	0	%100
8	M23	Y	-11.066	-11.066	0	%100
9	M24	Y	-11.066	-11.066	0	%100
10	MP1A	Y	-4.935	-4.935	0	%100
11	MP2A	Y	-4.935	-4.935	0	%100
12	MP4A	Y	-4.935	-4.935	0	%100
13	M28A	Y	-10.525	-10.525	0	%100
14	M29A	Y	-9.534	-9.534	0	%100
15	M30A	Y	-10.525	-10.525	0	%100
16	M32	Y	-10.525	-10.525	0	%100
17	MP3A	Y	-4.935	-4.935	0	%100
18	MP1C	Y	-4.935	-4.935	0	%100
19	MP2C	Y	-4.935	-4.935	0	%100
20	MP4C	Y	-4.935	-4.935	0	%100
21	MP3C	Y	-4.935	-4.935	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	MP1B	Y	-4.935	-4.935	0	%100
23	MP2B	Y	-4.935	-4.935	0	%100
24	MP4B	Y	-4.935	-4.935	0	%100
25	MP3B	Y	-4.935	-4.935	0	%100
26	M38A	Y	-9.534	-9.534	0	%100
27	M39A	Y	-9.534	-9.534	0	%100
28	MPSO	Y	-4.935	-4.935	0	%100
29	M44	Y	-5.636	-5.636	0	%100
30	M70A	Y	-5.636	-5.636	0	%100
31	M71A	Y	-5.636	-5.636	0	%100
32	M74	Y	-10.73	-10.73	0	%100
33	M75	Y	-10.73	-10.73	0	%100
34	M78	Y	-10.73	-10.73	0	%100
35	M79	Y	-10.73	-10.73	0	%100
36	M82	Y	-10.73	-10.73	0	%100
37	M83	Y	-10.73	-10.73	0	%100
38	M84	Y	-7.552	-7.552	0	%100
39	M85	Y	-7.552	-7.552	0	%100
40	M86	Y	-7.552	-7.552	0	%100
41	M87	Y	-6.561	-6.561	0	%100
42	M88	Y	-6.561	-6.561	0	%100
43	M89	Y	-6.561	-6.561	0	%100
44	M90	Y	-6.561	-6.561	0	%100
45	M91	Y	-6.561	-6.561	0	%100
46	M92	Y	-6.561	-6.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	0	0	0	%100
2	CBC1	Z	-5.119	-5.119	0	%100
3	CBB1	X	0	0	0	%100
4	CBB1	Z	-5.119	-5.119	0	%100
5	CBA1	X	0	0	0	%100
6	CBA1	Z	-20.476	-20.476	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-5.119	-5.119	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	-5.119	-5.119	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-20.476	-20.476	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-13.096	-13.096	0	%100
15	M23	X	0	0	0	%100
16	M23	Z	-13.096	-13.096	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-9.726	-9.726	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-9.726	-9.726	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-9.726	-9.726	0	%100
25	M28A	X	0	0	0	%100
26	M28A	Z	0	0	0	%100
27	M29A	X	0	0	0	%100
28	M29A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	M30A	X	0	0	0	%100
30	M30A	Z	-11.482	-11.482	0	%100
31	M32	X	0	0	0	%100
32	M32	Z	-11.482	-11.482	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	-9.726	-9.726	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	-9.726	-9.726	0	%100
37	MP2C	X	0	0	0	%100
38	MP2C	Z	-9.726	-9.726	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	-9.726	-9.726	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	-9.726	-9.726	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-9.726	-9.726	0	%100
45	MP2B	X	0	0	0	%100
46	MP2B	Z	-9.726	-9.726	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	-9.726	-9.726	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-9.726	-9.726	0	%100
51	M38A	X	0	0	0	%100
52	M38A	Z	-8.702	-8.702	0	%100
53	M39A	X	0	0	0	%100
54	M39A	Z	-8.702	-8.702	0	%100
55	MPSO	X	0	0	0	%100
56	MPSO	Z	-7.043	-7.043	0	%100
57	M44	X	0	0	0	%100
58	M44	Z	-11.774	-11.774	0	%100
59	M70A	X	0	0	0	%100
60	M70A	Z	-2.943	-2.943	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	-2.943	-2.943	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	-26.619	-26.619	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	-26.619	-26.619	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	-6.655	-6.655	0	%100
69	M79	X	0	0	0	%100
70	M79	Z	-6.655	-6.655	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	-6.655	-6.655	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	-6.655	-6.655	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	-3.79	-3.79	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	-3.79	-3.79	0	%100
79	M86	X	0	0	0	%100
80	M86	Z	-15.16	-15.16	0	%100
81	M87	X	0	0	0	%100
82	M87	Z	-10.992	-10.992	0	%100
83	M88	X	0	0	0	%100
84	M88	Z	-10.992	-10.992	0	%100
85	M89	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
86	M89	Z	-15.073	-15.073	0	%100
87	M90	X	0	0	0	%100
88	M90	Z	-3.113	-3.113	0	%100
89	M91	X	0	0	0	%100
90	M91	Z	-3.113	-3.113	0	%100
91	M92	X	0	0	0	%100
92	M92	Z	-15.073	-15.073	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	7.678	7.678	0	%100
2	CBC1	Z	-13.3	-13.3	0	%100
3	CBB1	X	0	0	0	%100
4	CBB1	Z	0	0	0	%100
5	CBA1	X	7.678	7.678	0	%100
6	CBA1	Z	-13.3	-13.3	0	%100
7	M7	X	7.678	7.678	0	%100
8	M7	Z	-13.3	-13.3	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	7.678	7.678	0	%100
12	M9	Z	-13.3	-13.3	0	%100
13	M10	X	2.183	2.183	0	%100
14	M10	Z	-3.78	-3.78	0	%100
15	M23	X	8.731	8.731	0	%100
16	M23	Z	-15.122	-15.122	0	%100
17	M24	X	2.183	2.183	0	%100
18	M24	Z	-3.78	-3.78	0	%100
19	MP1A	X	4.863	4.863	0	%100
20	MP1A	Z	-8.423	-8.423	0	%100
21	MP2A	X	4.863	4.863	0	%100
22	MP2A	Z	-8.423	-8.423	0	%100
23	MP4A	X	4.863	4.863	0	%100
24	MP4A	Z	-8.423	-8.423	0	%100
25	M28A	X	1.914	1.914	0	%100
26	M28A	Z	-3.315	-3.315	0	%100
27	M29A	X	1.45	1.45	0	%100
28	M29A	Z	-2.512	-2.512	0	%100
29	M30A	X	1.914	1.914	0	%100
30	M30A	Z	-3.315	-3.315	0	%100
31	M32	X	7.655	7.655	0	%100
32	M32	Z	-13.258	-13.258	0	%100
33	MP3A	X	4.863	4.863	0	%100
34	MP3A	Z	-8.423	-8.423	0	%100
35	MP1C	X	4.863	4.863	0	%100
36	MP1C	Z	-8.423	-8.423	0	%100
37	MP2C	X	4.863	4.863	0	%100
38	MP2C	Z	-8.423	-8.423	0	%100
39	MP4C	X	4.863	4.863	0	%100
40	MP4C	Z	-8.423	-8.423	0	%100
41	MP3C	X	4.863	4.863	0	%100
42	MP3C	Z	-8.423	-8.423	0	%100
43	MP1B	X	4.863	4.863	0	%100
44	MP1B	Z	-8.423	-8.423	0	%100
45	MP2B	X	4.863	4.863	0	%100
46	MP2B	Z	-8.423	-8.423	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	MP4B	X	4.863	4.863	0	%100
48	MP4B	Z	-8.423	-8.423	0	%100
49	MP3B	X	4.863	4.863	0	%100
50	MP3B	Z	-8.423	-8.423	0	%100
51	M38A	X	5.802	5.802	0	%100
52	M38A	Z	-10.049	-10.049	0	%100
53	M39A	X	1.45	1.45	0	%100
54	M39A	Z	-2.512	-2.512	0	%100
55	MPSO	X	3.522	3.522	0	%100
56	MPSO	Z	-6.1	-6.1	0	%100
57	M44	X	4.415	4.415	0	%100
58	M44	Z	-7.647	-7.647	0	%100
59	M70A	X	4.415	4.415	0	%100
60	M70A	Z	-7.647	-7.647	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	0	0	0	%100
63	M74	X	9.982	9.982	0	%100
64	M74	Z	-17.289	-17.289	0	%100
65	M75	X	9.982	9.982	0	%100
66	M75	Z	-17.289	-17.289	0	%100
67	M78	X	9.982	9.982	0	%100
68	M78	Z	-17.289	-17.289	0	%100
69	M79	X	9.982	9.982	0	%100
70	M79	Z	-17.289	-17.289	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	5.685	5.685	0	%100
76	M84	Z	-9.847	-9.847	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	0	0	0	%100
79	M86	X	5.685	5.685	0	%100
80	M86	Z	-9.847	-9.847	0	%100
81	M87	X	2.189	2.189	0	%100
82	M87	Z	-3.792	-3.792	0	%100
83	M88	X	8.169	8.169	0	%100
84	M88	Z	-14.149	-14.149	0	%100
85	M89	X	8.169	8.169	0	%100
86	M89	Z	-14.149	-14.149	0	%100
87	M90	X	2.189	2.189	0	%100
88	M90	Z	-3.792	-3.792	0	%100
89	M91	X	4.23	4.23	0	%100
90	M91	Z	-7.326	-7.326	0	%100
91	M92	X	4.23	4.23	0	%100
92	M92	Z	-7.326	-7.326	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	17.733	17.733	0	%100
2	CBC1	Z	-10.238	-10.238	0	%100
3	CBB1	X	4.433	4.433	0	%100
4	CBB1	Z	-2.559	-2.559	0	%100
5	CBA1	X	4.433	4.433	0	%100
6	CBA1	Z	-2.559	-2.559	0	%100
7	M7	X	17.733	17.733	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M7	Z	-10.238	-10.238	0	%100
9	M8	X	4.433	4.433	0	%100
10	M8	Z	-2.559	-2.559	0	%100
11	M9	X	4.433	4.433	0	%100
12	M9	Z	-2.559	-2.559	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M23	X	11.341	11.341	0	%100
16	M23	Z	-6.548	-6.548	0	%100
17	M24	X	11.341	11.341	0	%100
18	M24	Z	-6.548	-6.548	0	%100
19	MP1A	X	8.423	8.423	0	%100
20	MP1A	Z	-4.863	-4.863	0	%100
21	MP2A	X	8.423	8.423	0	%100
22	MP2A	Z	-4.863	-4.863	0	%100
23	MP4A	X	8.423	8.423	0	%100
24	MP4A	Z	-4.863	-4.863	0	%100
25	M28A	X	9.944	9.944	0	%100
26	M28A	Z	-5.741	-5.741	0	%100
27	M29A	X	7.536	7.536	0	%100
28	M29A	Z	-4.351	-4.351	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Z	0	0	0	%100
31	M32	X	9.944	9.944	0	%100
32	M32	Z	-5.741	-5.741	0	%100
33	MP3A	X	8.423	8.423	0	%100
34	MP3A	Z	-4.863	-4.863	0	%100
35	MP1C	X	8.423	8.423	0	%100
36	MP1C	Z	-4.863	-4.863	0	%100
37	MP2C	X	8.423	8.423	0	%100
38	MP2C	Z	-4.863	-4.863	0	%100
39	MP4C	X	8.423	8.423	0	%100
40	MP4C	Z	-4.863	-4.863	0	%100
41	MP3C	X	8.423	8.423	0	%100
42	MP3C	Z	-4.863	-4.863	0	%100
43	MP1B	X	8.423	8.423	0	%100
44	MP1B	Z	-4.863	-4.863	0	%100
45	MP2B	X	8.423	8.423	0	%100
46	MP2B	Z	-4.863	-4.863	0	%100
47	MP4B	X	8.423	8.423	0	%100
48	MP4B	Z	-4.863	-4.863	0	%100
49	MP3B	X	8.423	8.423	0	%100
50	MP3B	Z	-4.863	-4.863	0	%100
51	M38A	X	7.536	7.536	0	%100
52	M38A	Z	-4.351	-4.351	0	%100
53	M39A	X	0	0	0	%100
54	M39A	Z	0	0	0	%100
55	MPSO	X	6.1	6.1	0	%100
56	MPSO	Z	-3.522	-3.522	0	%100
57	M44	X	2.549	2.549	0	%100
58	M44	Z	-1.472	-1.472	0	%100
59	M70A	X	10.196	10.196	0	%100
60	M70A	Z	-5.887	-5.887	0	%100
61	M71A	X	2.549	2.549	0	%100
62	M71A	Z	-1.472	-1.472	0	%100
63	M74	X	5.763	5.763	0	%100
64	M74	Z	-3.327	-3.327	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	M75	X	5.763	5.763	0	%100
66	M75	Z	-3.327	-3.327	0	%100
67	M78	X	23.052	23.052	0	%100
68	M78	Z	-13.309	-13.309	0	%100
69	M79	X	23.052	23.052	0	%100
70	M79	Z	-13.309	-13.309	0	%100
71	M82	X	5.763	5.763	0	%100
72	M82	Z	-3.327	-3.327	0	%100
73	M83	X	5.763	5.763	0	%100
74	M83	Z	-3.327	-3.327	0	%100
75	M84	X	13.129	13.129	0	%100
76	M84	Z	-7.58	-7.58	0	%100
77	M85	X	3.282	3.282	0	%100
78	M85	Z	-1.895	-1.895	0	%100
79	M86	X	3.282	3.282	0	%100
80	M86	Z	-1.895	-1.895	0	%100
81	M87	X	2.696	2.696	0	%100
82	M87	Z	-1.556	-1.556	0	%100
83	M88	X	13.053	13.053	0	%100
84	M88	Z	-7.536	-7.536	0	%100
85	M89	X	9.519	9.519	0	%100
86	M89	Z	-5.496	-5.496	0	%100
87	M90	X	9.519	9.519	0	%100
88	M90	Z	-5.496	-5.496	0	%100
89	M91	X	13.053	13.053	0	%100
90	M91	Z	-7.536	-7.536	0	%100
91	M92	X	2.696	2.696	0	%100
92	M92	Z	-1.556	-1.556	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	15.357	15.357	0	%100
2	CBC1	Z	0	0	0	%100
3	CBB1	X	15.357	15.357	0	%100
4	CBB1	Z	0	0	0	%100
5	CBA1	X	0	0	0	%100
6	CBA1	Z	0	0	0	%100
7	M7	X	15.357	15.357	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	15.357	15.357	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	4.365	4.365	0	%100
14	M10	Z	0	0	0	%100
15	M23	X	4.365	4.365	0	%100
16	M23	Z	0	0	0	%100
17	M24	X	17.461	17.461	0	%100
18	M24	Z	0	0	0	%100
19	MP1A	X	9.726	9.726	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	9.726	9.726	0	%100
22	MP2A	Z	0	0	0	%100
23	MP4A	X	9.726	9.726	0	%100
24	MP4A	Z	0	0	0	%100
25	M28A	X	15.31	15.31	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	M28A	Z	0	0	0	%100
27	M29A	X	11.603	11.603	0	%100
28	M29A	Z	0	0	0	%100
29	M30A	X	3.827	3.827	0	%100
30	M30A	Z	0	0	0	%100
31	M32	X	3.827	3.827	0	%100
32	M32	Z	0	0	0	%100
33	MP3A	X	9.726	9.726	0	%100
34	MP3A	Z	0	0	0	%100
35	MP1C	X	9.726	9.726	0	%100
36	MP1C	Z	0	0	0	%100
37	MP2C	X	9.726	9.726	0	%100
38	MP2C	Z	0	0	0	%100
39	MP4C	X	9.726	9.726	0	%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	9.726	9.726	0	%100
42	MP3C	Z	0	0	0	%100
43	MP1B	X	9.726	9.726	0	%100
44	MP1B	Z	0	0	0	%100
45	MP2B	X	9.726	9.726	0	%100
46	MP2B	Z	0	0	0	%100
47	MP4B	X	9.726	9.726	0	%100
48	MP4B	Z	0	0	0	%100
49	MP3B	X	9.726	9.726	0	%100
50	MP3B	Z	0	0	0	%100
51	M38A	X	2.901	2.901	0	%100
52	M38A	Z	0	0	0	%100
53	M39A	X	2.901	2.901	0	%100
54	M39A	Z	0	0	0	%100
55	MPSO	X	7.043	7.043	0	%100
56	MPSO	Z	0	0	0	%100
57	M44	X	0	0	0	%100
58	M44	Z	0	0	0	%100
59	M70A	X	8.83	8.83	0	%100
60	M70A	Z	0	0	0	%100
61	M71A	X	8.83	8.83	0	%100
62	M71A	Z	0	0	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	0	0	0	%100
67	M78	X	19.964	19.964	0	%100
68	M78	Z	0	0	0	%100
69	M79	X	19.964	19.964	0	%100
70	M79	Z	0	0	0	%100
71	M82	X	19.964	19.964	0	%100
72	M82	Z	0	0	0	%100
73	M83	X	19.964	19.964	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	11.37	11.37	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	11.37	11.37	0	%100
78	M85	Z	0	0	0	%100
79	M86	X	0	0	0	%100
80	M86	Z	0	0	0	%100
81	M87	X	8.46	8.46	0	%100
82	M87	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,F...	Start Location[ft,%]	End Location[ft,%]
83	M88	X	8.46	8.46	0	%100
84	M88	Z	0	0	0	%100
85	M89	X	4.379	4.379	0	%100
86	M89	Z	0	0	0	%100
87	M90	X	16.338	16.338	0	%100
88	M90	Z	0	0	0	%100
89	M91	X	16.338	16.338	0	%100
90	M91	Z	0	0	0	%100
91	M92	X	4.379	4.379	0	%100
92	M92	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	4.433	4.433	0	%100
2	CBC1	Z	2.559	2.559	0	%100
3	CBB1	X	17.733	17.733	0	%100
4	CBB1	Z	10.238	10.238	0	%100
5	CBA1	X	4.433	4.433	0	%100
6	CBA1	Z	2.559	2.559	0	%100
7	M7	X	4.433	4.433	0	%100
8	M7	Z	2.559	2.559	0	%100
9	M8	X	17.733	17.733	0	%100
10	M8	Z	10.238	10.238	0	%100
11	M9	X	4.433	4.433	0	%100
12	M9	Z	2.559	2.559	0	%100
13	M10	X	11.341	11.341	0	%100
14	M10	Z	6.548	6.548	0	%100
15	M23	X	0	0	0	%100
16	M23	Z	0	0	0	%100
17	M24	X	11.341	11.341	0	%100
18	M24	Z	6.548	6.548	0	%100
19	MP1A	X	8.423	8.423	0	%100
20	MP1A	Z	4.863	4.863	0	%100
21	MP2A	X	8.423	8.423	0	%100
22	MP2A	Z	4.863	4.863	0	%100
23	MP4A	X	8.423	8.423	0	%100
24	MP4A	Z	4.863	4.863	0	%100
25	M28A	X	9.944	9.944	0	%100
26	M28A	Z	5.741	5.741	0	%100
27	M29A	X	7.536	7.536	0	%100
28	M29A	Z	4.351	4.351	0	%100
29	M30A	X	9.944	9.944	0	%100
30	M30A	Z	5.741	5.741	0	%100
31	M32	X	0	0	0	%100
32	M32	Z	0	0	0	%100
33	MP3A	X	8.423	8.423	0	%100
34	MP3A	Z	4.863	4.863	0	%100
35	MP1C	X	8.423	8.423	0	%100
36	MP1C	Z	4.863	4.863	0	%100
37	MP2C	X	8.423	8.423	0	%100
38	MP2C	Z	4.863	4.863	0	%100
39	MP4C	X	8.423	8.423	0	%100
40	MP4C	Z	4.863	4.863	0	%100
41	MP3C	X	8.423	8.423	0	%100
42	MP3C	Z	4.863	4.863	0	%100
43	MP1B	X	8.423	8.423	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
44	MP1B	Z	4.863	4.863	0	%100
45	MP2B	X	8.423	8.423	0	%100
46	MP2B	Z	4.863	4.863	0	%100
47	MP4B	X	8.423	8.423	0	%100
48	MP4B	Z	4.863	4.863	0	%100
49	MP3B	X	8.423	8.423	0	%100
50	MP3B	Z	4.863	4.863	0	%100
51	M38A	X	0	0	0	%100
52	M38A	Z	0	0	0	%100
53	M39A	X	7.536	7.536	0	%100
54	M39A	Z	4.351	4.351	0	%100
55	MPSO	X	6.1	6.1	0	%100
56	MPSO	Z	3.522	3.522	0	%100
57	M44	X	2.549	2.549	0	%100
58	M44	Z	1.472	1.472	0	%100
59	M70A	X	2.549	2.549	0	%100
60	M70A	Z	1.472	1.472	0	%100
61	M71A	X	10.196	10.196	0	%100
62	M71A	Z	5.887	5.887	0	%100
63	M74	X	5.763	5.763	0	%100
64	M74	Z	3.327	3.327	0	%100
65	M75	X	5.763	5.763	0	%100
66	M75	Z	3.327	3.327	0	%100
67	M78	X	5.763	5.763	0	%100
68	M78	Z	3.327	3.327	0	%100
69	M79	X	5.763	5.763	0	%100
70	M79	Z	3.327	3.327	0	%100
71	M82	X	23.052	23.052	0	%100
72	M82	Z	13.309	13.309	0	%100
73	M83	X	23.052	23.052	0	%100
74	M83	Z	13.309	13.309	0	%100
75	M84	X	3.282	3.282	0	%100
76	M84	Z	1.895	1.895	0	%100
77	M85	X	13.129	13.129	0	%100
78	M85	Z	7.58	7.58	0	%100
79	M86	X	3.282	3.282	0	%100
80	M86	Z	1.895	1.895	0	%100
81	M87	X	13.053	13.053	0	%100
82	M87	Z	7.536	7.536	0	%100
83	M88	X	2.696	2.696	0	%100
84	M88	Z	1.556	1.556	0	%100
85	M89	X	2.696	2.696	0	%100
86	M89	Z	1.556	1.556	0	%100
87	M90	X	13.053	13.053	0	%100
88	M90	Z	7.536	7.536	0	%100
89	M91	X	9.519	9.519	0	%100
90	M91	Z	5.496	5.496	0	%100
91	M92	X	9.519	9.519	0	%100
92	M92	Z	5.496	5.496	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	0	0	0	%100
2	CBC1	Z	0	0	0	%100
3	CBB1	X	7.678	7.678	0	%100
4	CBB1	Z	13.3	13.3	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	CBA1	X	7.678	7.678	0	%100
6	CBA1	Z	13.3	13.3	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	7.678	7.678	0	%100
10	M8	Z	13.3	13.3	0	%100
11	M9	X	7.678	7.678	0	%100
12	M9	Z	13.3	13.3	0	%100
13	M10	X	8.731	8.731	0	%100
14	M10	Z	15.122	15.122	0	%100
15	M23	X	2.183	2.183	0	%100
16	M23	Z	3.78	3.78	0	%100
17	M24	X	2.183	2.183	0	%100
18	M24	Z	3.78	3.78	0	%100
19	MP1A	X	4.863	4.863	0	%100
20	MP1A	Z	8.423	8.423	0	%100
21	MP2A	X	4.863	4.863	0	%100
22	MP2A	Z	8.423	8.423	0	%100
23	MP4A	X	4.863	4.863	0	%100
24	MP4A	Z	8.423	8.423	0	%100
25	M28A	X	1.914	1.914	0	%100
26	M28A	Z	3.315	3.315	0	%100
27	M29A	X	1.45	1.45	0	%100
28	M29A	Z	2.512	2.512	0	%100
29	M30A	X	7.655	7.655	0	%100
30	M30A	Z	13.258	13.258	0	%100
31	M32	X	1.914	1.914	0	%100
32	M32	Z	3.315	3.315	0	%100
33	MP3A	X	4.863	4.863	0	%100
34	MP3A	Z	8.423	8.423	0	%100
35	MP1C	X	4.863	4.863	0	%100
36	MP1C	Z	8.423	8.423	0	%100
37	MP2C	X	4.863	4.863	0	%100
38	MP2C	Z	8.423	8.423	0	%100
39	MP4C	X	4.863	4.863	0	%100
40	MP4C	Z	8.423	8.423	0	%100
41	MP3C	X	4.863	4.863	0	%100
42	MP3C	Z	8.423	8.423	0	%100
43	MP1B	X	4.863	4.863	0	%100
44	MP1B	Z	8.423	8.423	0	%100
45	MP2B	X	4.863	4.863	0	%100
46	MP2B	Z	8.423	8.423	0	%100
47	MP4B	X	4.863	4.863	0	%100
48	MP4B	Z	8.423	8.423	0	%100
49	MP3B	X	4.863	4.863	0	%100
50	MP3B	Z	8.423	8.423	0	%100
51	M38A	X	1.45	1.45	0	%100
52	M38A	Z	2.512	2.512	0	%100
53	M39A	X	5.802	5.802	0	%100
54	M39A	Z	10.049	10.049	0	%100
55	MPSO	X	3.522	3.522	0	%100
56	MPSO	Z	6.1	6.1	0	%100
57	M44	X	4.415	4.415	0	%100
58	M44	Z	7.647	7.647	0	%100
59	M70A	X	0	0	0	%100
60	M70A	Z	0	0	0	%100
61	M71A	X	4.415	4.415	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M71A	Z	7.647	7.647	0	%100
63	M74	X	9.982	9.982	0	%100
64	M74	Z	17.289	17.289	0	%100
65	M75	X	9.982	9.982	0	%100
66	M75	Z	17.289	17.289	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	0	0	0	%100
69	M79	X	0	0	0	%100
70	M79	Z	0	0	0	%100
71	M82	X	9.982	9.982	0	%100
72	M82	Z	17.289	17.289	0	%100
73	M83	X	9.982	9.982	0	%100
74	M83	Z	17.289	17.289	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	5.685	5.685	0	%100
78	M85	Z	9.847	9.847	0	%100
79	M86	X	5.685	5.685	0	%100
80	M86	Z	9.847	9.847	0	%100
81	M87	X	8.169	8.169	0	%100
82	M87	Z	14.149	14.149	0	%100
83	M88	X	2.189	2.189	0	%100
84	M88	Z	3.792	3.792	0	%100
85	M89	X	4.23	4.23	0	%100
86	M89	Z	7.326	7.326	0	%100
87	M90	X	4.23	4.23	0	%100
88	M90	Z	7.326	7.326	0	%100
89	M91	X	2.189	2.189	0	%100
90	M91	Z	3.792	3.792	0	%100
91	M92	X	8.169	8.169	0	%100
92	M92	Z	14.149	14.149	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	0	0	0	%100
2	CBC1	Z	5.119	5.119	0	%100
3	CBB1	X	0	0	0	%100
4	CBB1	Z	5.119	5.119	0	%100
5	CBA1	X	0	0	0	%100
6	CBA1	Z	20.476	20.476	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	5.119	5.119	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	5.119	5.119	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	20.476	20.476	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	13.096	13.096	0	%100
15	M23	X	0	0	0	%100
16	M23	Z	13.096	13.096	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	9.726	9.726	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	9.726	9.726	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	MP4A	X	0	0	0	%100
24	MP4A	Z	9.726	9.726	0	%100
25	M28A	X	0	0	0	%100
26	M28A	Z	0	0	0	%100
27	M29A	X	0	0	0	%100
28	M29A	Z	0	0	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Z	11.482	11.482	0	%100
31	M32	X	0	0	0	%100
32	M32	Z	11.482	11.482	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	9.726	9.726	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	9.726	9.726	0	%100
37	MP2C	X	0	0	0	%100
38	MP2C	Z	9.726	9.726	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	9.726	9.726	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	9.726	9.726	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	9.726	9.726	0	%100
45	MP2B	X	0	0	0	%100
46	MP2B	Z	9.726	9.726	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	9.726	9.726	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	9.726	9.726	0	%100
51	M38A	X	0	0	0	%100
52	M38A	Z	8.702	8.702	0	%100
53	M39A	X	0	0	0	%100
54	M39A	Z	8.702	8.702	0	%100
55	MPSO	X	0	0	0	%100
56	MPSO	Z	7.043	7.043	0	%100
57	M44	X	0	0	0	%100
58	M44	Z	11.774	11.774	0	%100
59	M70A	X	0	0	0	%100
60	M70A	Z	2.943	2.943	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	2.943	2.943	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	26.619	26.619	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	26.619	26.619	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	6.655	6.655	0	%100
69	M79	X	0	0	0	%100
70	M79	Z	6.655	6.655	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	6.655	6.655	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	6.655	6.655	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	3.79	3.79	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	3.79	3.79	0	%100
79	M86	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,F...	Start Location[ft,%]	End Location[ft,%]
80	M86	Z	15.16	15.16	0	%100
81	M87	X	0	0	0	%100
82	M87	Z	10.992	10.992	0	%100
83	M88	X	0	0	0	%100
84	M88	Z	10.992	10.992	0	%100
85	M89	X	0	0	0	%100
86	M89	Z	15.073	15.073	0	%100
87	M90	X	0	0	0	%100
88	M90	Z	3.113	3.113	0	%100
89	M91	X	0	0	0	%100
90	M91	Z	3.113	3.113	0	%100
91	M92	X	0	0	0	%100
92	M92	Z	15.073	15.073	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	-7.678	-7.678	0	%100
2	CBC1	Z	13.3	13.3	0	%100
3	CBB1	X	0	0	0	%100
4	CBB1	Z	0	0	0	%100
5	CBA1	X	-7.678	-7.678	0	%100
6	CBA1	Z	13.3	13.3	0	%100
7	M7	X	-7.678	-7.678	0	%100
8	M7	Z	13.3	13.3	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	-7.678	-7.678	0	%100
12	M9	Z	13.3	13.3	0	%100
13	M10	X	-2.183	-2.183	0	%100
14	M10	Z	3.78	3.78	0	%100
15	M23	X	-8.731	-8.731	0	%100
16	M23	Z	15.122	15.122	0	%100
17	M24	X	-2.183	-2.183	0	%100
18	M24	Z	3.78	3.78	0	%100
19	MP1A	X	-4.863	-4.863	0	%100
20	MP1A	Z	8.423	8.423	0	%100
21	MP2A	X	-4.863	-4.863	0	%100
22	MP2A	Z	8.423	8.423	0	%100
23	MP4A	X	-4.863	-4.863	0	%100
24	MP4A	Z	8.423	8.423	0	%100
25	M28A	X	-1.914	-1.914	0	%100
26	M28A	Z	3.315	3.315	0	%100
27	M29A	X	-1.45	-1.45	0	%100
28	M29A	Z	2.512	2.512	0	%100
29	M30A	X	-1.914	-1.914	0	%100
30	M30A	Z	3.315	3.315	0	%100
31	M32	X	-7.655	-7.655	0	%100
32	M32	Z	13.258	13.258	0	%100
33	MP3A	X	-4.863	-4.863	0	%100
34	MP3A	Z	8.423	8.423	0	%100
35	MP1C	X	-4.863	-4.863	0	%100
36	MP1C	Z	8.423	8.423	0	%100
37	MP2C	X	-4.863	-4.863	0	%100
38	MP2C	Z	8.423	8.423	0	%100
39	MP4C	X	-4.863	-4.863	0	%100
40	MP4C	Z	8.423	8.423	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	MP3C	X	-4.863	-4.863	0	%100
42	MP3C	Z	8.423	8.423	0	%100
43	MP1B	X	-4.863	-4.863	0	%100
44	MP1B	Z	8.423	8.423	0	%100
45	MP2B	X	-4.863	-4.863	0	%100
46	MP2B	Z	8.423	8.423	0	%100
47	MP4B	X	-4.863	-4.863	0	%100
48	MP4B	Z	8.423	8.423	0	%100
49	MP3B	X	-4.863	-4.863	0	%100
50	MP3B	Z	8.423	8.423	0	%100
51	M38A	X	-5.802	-5.802	0	%100
52	M38A	Z	10.049	10.049	0	%100
53	M39A	X	-1.45	-1.45	0	%100
54	M39A	Z	2.512	2.512	0	%100
55	MPSO	X	-3.522	-3.522	0	%100
56	MPSO	Z	6.1	6.1	0	%100
57	M44	X	-4.415	-4.415	0	%100
58	M44	Z	7.647	7.647	0	%100
59	M70A	X	-4.415	-4.415	0	%100
60	M70A	Z	7.647	7.647	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	0	0	0	%100
63	M74	X	-9.982	-9.982	0	%100
64	M74	Z	17.289	17.289	0	%100
65	M75	X	-9.982	-9.982	0	%100
66	M75	Z	17.289	17.289	0	%100
67	M78	X	-9.982	-9.982	0	%100
68	M78	Z	17.289	17.289	0	%100
69	M79	X	-9.982	-9.982	0	%100
70	M79	Z	17.289	17.289	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	-5.685	-5.685	0	%100
76	M84	Z	9.847	9.847	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	0	0	0	%100
79	M86	X	-5.685	-5.685	0	%100
80	M86	Z	9.847	9.847	0	%100
81	M87	X	-2.189	-2.189	0	%100
82	M87	Z	3.792	3.792	0	%100
83	M88	X	-8.169	-8.169	0	%100
84	M88	Z	14.149	14.149	0	%100
85	M89	X	-8.169	-8.169	0	%100
86	M89	Z	14.149	14.149	0	%100
87	M90	X	-2.189	-2.189	0	%100
88	M90	Z	3.792	3.792	0	%100
89	M91	X	-4.23	-4.23	0	%100
90	M91	Z	7.326	7.326	0	%100
91	M92	X	-4.23	-4.23	0	%100
92	M92	Z	7.326	7.326	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	-17.733	-17.733	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	CBC1	Z	10.238	10.238	0	%100
3	CBB1	X	-4.433	-4.433	0	%100
4	CBB1	Z	2.559	2.559	0	%100
5	CBA1	X	-4.433	-4.433	0	%100
6	CBA1	Z	2.559	2.559	0	%100
7	M7	X	-17.733	-17.733	0	%100
8	M7	Z	10.238	10.238	0	%100
9	M8	X	-4.433	-4.433	0	%100
10	M8	Z	2.559	2.559	0	%100
11	M9	X	-4.433	-4.433	0	%100
12	M9	Z	2.559	2.559	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M23	X	-11.341	-11.341	0	%100
16	M23	Z	6.548	6.548	0	%100
17	M24	X	-11.341	-11.341	0	%100
18	M24	Z	6.548	6.548	0	%100
19	MP1A	X	-8.423	-8.423	0	%100
20	MP1A	Z	4.863	4.863	0	%100
21	MP2A	X	-8.423	-8.423	0	%100
22	MP2A	Z	4.863	4.863	0	%100
23	MP4A	X	-8.423	-8.423	0	%100
24	MP4A	Z	4.863	4.863	0	%100
25	M28A	X	-9.944	-9.944	0	%100
26	M28A	Z	5.741	5.741	0	%100
27	M29A	X	-7.536	-7.536	0	%100
28	M29A	Z	4.351	4.351	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Z	0	0	0	%100
31	M32	X	-9.944	-9.944	0	%100
32	M32	Z	5.741	5.741	0	%100
33	MP3A	X	-8.423	-8.423	0	%100
34	MP3A	Z	4.863	4.863	0	%100
35	MP1C	X	-8.423	-8.423	0	%100
36	MP1C	Z	4.863	4.863	0	%100
37	MP2C	X	-8.423	-8.423	0	%100
38	MP2C	Z	4.863	4.863	0	%100
39	MP4C	X	-8.423	-8.423	0	%100
40	MP4C	Z	4.863	4.863	0	%100
41	MP3C	X	-8.423	-8.423	0	%100
42	MP3C	Z	4.863	4.863	0	%100
43	MP1B	X	-8.423	-8.423	0	%100
44	MP1B	Z	4.863	4.863	0	%100
45	MP2B	X	-8.423	-8.423	0	%100
46	MP2B	Z	4.863	4.863	0	%100
47	MP4B	X	-8.423	-8.423	0	%100
48	MP4B	Z	4.863	4.863	0	%100
49	MP3B	X	-8.423	-8.423	0	%100
50	MP3B	Z	4.863	4.863	0	%100
51	M38A	X	-7.536	-7.536	0	%100
52	M38A	Z	4.351	4.351	0	%100
53	M39A	X	0	0	0	%100
54	M39A	Z	0	0	0	%100
55	MPSO	X	-6.1	-6.1	0	%100
56	MPSO	Z	3.522	3.522	0	%100
57	M44	X	-2.549	-2.549	0	%100
58	M44	Z	1.472	1.472	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	M70A	X	-10.196	-10.196	0	%100
60	M70A	Z	5.887	5.887	0	%100
61	M71A	X	-2.549	-2.549	0	%100
62	M71A	Z	1.472	1.472	0	%100
63	M74	X	-5.763	-5.763	0	%100
64	M74	Z	3.327	3.327	0	%100
65	M75	X	-5.763	-5.763	0	%100
66	M75	Z	3.327	3.327	0	%100
67	M78	X	-23.052	-23.052	0	%100
68	M78	Z	13.309	13.309	0	%100
69	M79	X	-23.052	-23.052	0	%100
70	M79	Z	13.309	13.309	0	%100
71	M82	X	-5.763	-5.763	0	%100
72	M82	Z	3.327	3.327	0	%100
73	M83	X	-5.763	-5.763	0	%100
74	M83	Z	3.327	3.327	0	%100
75	M84	X	-13.129	-13.129	0	%100
76	M84	Z	7.58	7.58	0	%100
77	M85	X	-3.282	-3.282	0	%100
78	M85	Z	1.895	1.895	0	%100
79	M86	X	-3.282	-3.282	0	%100
80	M86	Z	1.895	1.895	0	%100
81	M87	X	-2.696	-2.696	0	%100
82	M87	Z	1.556	1.556	0	%100
83	M88	X	-13.053	-13.053	0	%100
84	M88	Z	7.536	7.536	0	%100
85	M89	X	-9.519	-9.519	0	%100
86	M89	Z	5.496	5.496	0	%100
87	M90	X	-9.519	-9.519	0	%100
88	M90	Z	5.496	5.496	0	%100
89	M91	X	-13.053	-13.053	0	%100
90	M91	Z	7.536	7.536	0	%100
91	M92	X	-2.696	-2.696	0	%100
92	M92	Z	1.556	1.556	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	-15.357	-15.357	0	%100
2	CBC1	Z	0	0	0	%100
3	CBB1	X	-15.357	-15.357	0	%100
4	CBB1	Z	0	0	0	%100
5	CBA1	X	0	0	0	%100
6	CBA1	Z	0	0	0	%100
7	M7	X	-15.357	-15.357	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	-15.357	-15.357	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	-4.365	-4.365	0	%100
14	M10	Z	0	0	0	%100
15	M23	X	-4.365	-4.365	0	%100
16	M23	Z	0	0	0	%100
17	M24	X	-17.461	-17.461	0	%100
18	M24	Z	0	0	0	%100
19	MP1A	X	-9.726	-9.726	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
20	MP1A	Z	0	0	0	%100
21	MP2A	X	-9.726	-9.726	0	%100
22	MP2A	Z	0	0	0	%100
23	MP4A	X	-9.726	-9.726	0	%100
24	MP4A	Z	0	0	0	%100
25	M28A	X	-15.31	-15.31	0	%100
26	M28A	Z	0	0	0	%100
27	M29A	X	-11.603	-11.603	0	%100
28	M29A	Z	0	0	0	%100
29	M30A	X	-3.827	-3.827	0	%100
30	M30A	Z	0	0	0	%100
31	M32	X	-3.827	-3.827	0	%100
32	M32	Z	0	0	0	%100
33	MP3A	X	-9.726	-9.726	0	%100
34	MP3A	Z	0	0	0	%100
35	MP1C	X	-9.726	-9.726	0	%100
36	MP1C	Z	0	0	0	%100
37	MP2C	X	-9.726	-9.726	0	%100
38	MP2C	Z	0	0	0	%100
39	MP4C	X	-9.726	-9.726	0	%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	-9.726	-9.726	0	%100
42	MP3C	Z	0	0	0	%100
43	MP1B	X	-9.726	-9.726	0	%100
44	MP1B	Z	0	0	0	%100
45	MP2B	X	-9.726	-9.726	0	%100
46	MP2B	Z	0	0	0	%100
47	MP4B	X	-9.726	-9.726	0	%100
48	MP4B	Z	0	0	0	%100
49	MP3B	X	-9.726	-9.726	0	%100
50	MP3B	Z	0	0	0	%100
51	M38A	X	-2.901	-2.901	0	%100
52	M38A	Z	0	0	0	%100
53	M39A	X	-2.901	-2.901	0	%100
54	M39A	Z	0	0	0	%100
55	MPSO	X	-7.043	-7.043	0	%100
56	MPSO	Z	0	0	0	%100
57	M44	X	0	0	0	%100
58	M44	Z	0	0	0	%100
59	M70A	X	-8.83	-8.83	0	%100
60	M70A	Z	0	0	0	%100
61	M71A	X	-8.83	-8.83	0	%100
62	M71A	Z	0	0	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	0	0	0	%100
67	M78	X	-19.964	-19.964	0	%100
68	M78	Z	0	0	0	%100
69	M79	X	-19.964	-19.964	0	%100
70	M79	Z	0	0	0	%100
71	M82	X	-19.964	-19.964	0	%100
72	M82	Z	0	0	0	%100
73	M83	X	-19.964	-19.964	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	-11.37	-11.37	0	%100
76	M84	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	M85	X	-11.37	-11.37	0	%100
78	M85	Z	0	0	0	%100
79	M86	X	0	0	0	%100
80	M86	Z	0	0	0	%100
81	M87	X	-8.46	-8.46	0	%100
82	M87	Z	0	0	0	%100
83	M88	X	-8.46	-8.46	0	%100
84	M88	Z	0	0	0	%100
85	M89	X	-4.379	-4.379	0	%100
86	M89	Z	0	0	0	%100
87	M90	X	-16.338	-16.338	0	%100
88	M90	Z	0	0	0	%100
89	M91	X	-16.338	-16.338	0	%100
90	M91	Z	0	0	0	%100
91	M92	X	-4.379	-4.379	0	%100
92	M92	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	-4.433	-4.433	0	%100
2	CBC1	Z	-2.559	-2.559	0	%100
3	CBB1	X	-17.733	-17.733	0	%100
4	CBB1	Z	-10.238	-10.238	0	%100
5	CBA1	X	-4.433	-4.433	0	%100
6	CBA1	Z	-2.559	-2.559	0	%100
7	M7	X	-4.433	-4.433	0	%100
8	M7	Z	-2.559	-2.559	0	%100
9	M8	X	-17.733	-17.733	0	%100
10	M8	Z	-10.238	-10.238	0	%100
11	M9	X	-4.433	-4.433	0	%100
12	M9	Z	-2.559	-2.559	0	%100
13	M10	X	-11.341	-11.341	0	%100
14	M10	Z	-6.548	-6.548	0	%100
15	M23	X	0	0	0	%100
16	M23	Z	0	0	0	%100
17	M24	X	-11.341	-11.341	0	%100
18	M24	Z	-6.548	-6.548	0	%100
19	MP1A	X	-8.423	-8.423	0	%100
20	MP1A	Z	-4.863	-4.863	0	%100
21	MP2A	X	-8.423	-8.423	0	%100
22	MP2A	Z	-4.863	-4.863	0	%100
23	MP4A	X	-8.423	-8.423	0	%100
24	MP4A	Z	-4.863	-4.863	0	%100
25	M28A	X	-9.944	-9.944	0	%100
26	M28A	Z	-5.741	-5.741	0	%100
27	M29A	X	-7.536	-7.536	0	%100
28	M29A	Z	-4.351	-4.351	0	%100
29	M30A	X	-9.944	-9.944	0	%100
30	M30A	Z	-5.741	-5.741	0	%100
31	M32	X	0	0	0	%100
32	M32	Z	0	0	0	%100
33	MP3A	X	-8.423	-8.423	0	%100
34	MP3A	Z	-4.863	-4.863	0	%100
35	MP1C	X	-8.423	-8.423	0	%100
36	MP1C	Z	-4.863	-4.863	0	%100
37	MP2C	X	-8.423	-8.423	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
38	MP2C	Z	-4.863	-4.863	0	%100
39	MP4C	X	-8.423	-8.423	0	%100
40	MP4C	Z	-4.863	-4.863	0	%100
41	MP3C	X	-8.423	-8.423	0	%100
42	MP3C	Z	-4.863	-4.863	0	%100
43	MP1B	X	-8.423	-8.423	0	%100
44	MP1B	Z	-4.863	-4.863	0	%100
45	MP2B	X	-8.423	-8.423	0	%100
46	MP2B	Z	-4.863	-4.863	0	%100
47	MP4B	X	-8.423	-8.423	0	%100
48	MP4B	Z	-4.863	-4.863	0	%100
49	MP3B	X	-8.423	-8.423	0	%100
50	MP3B	Z	-4.863	-4.863	0	%100
51	M38A	X	0	0	0	%100
52	M38A	Z	0	0	0	%100
53	M39A	X	-7.536	-7.536	0	%100
54	M39A	Z	-4.351	-4.351	0	%100
55	MPSO	X	-6.1	-6.1	0	%100
56	MPSO	Z	-3.522	-3.522	0	%100
57	M44	X	-2.549	-2.549	0	%100
58	M44	Z	-1.472	-1.472	0	%100
59	M70A	X	-2.549	-2.549	0	%100
60	M70A	Z	-1.472	-1.472	0	%100
61	M71A	X	-10.196	-10.196	0	%100
62	M71A	Z	-5.887	-5.887	0	%100
63	M74	X	-5.763	-5.763	0	%100
64	M74	Z	-3.327	-3.327	0	%100
65	M75	X	-5.763	-5.763	0	%100
66	M75	Z	-3.327	-3.327	0	%100
67	M78	X	-5.763	-5.763	0	%100
68	M78	Z	-3.327	-3.327	0	%100
69	M79	X	-5.763	-5.763	0	%100
70	M79	Z	-3.327	-3.327	0	%100
71	M82	X	-23.052	-23.052	0	%100
72	M82	Z	-13.309	-13.309	0	%100
73	M83	X	-23.052	-23.052	0	%100
74	M83	Z	-13.309	-13.309	0	%100
75	M84	X	-3.282	-3.282	0	%100
76	M84	Z	-1.895	-1.895	0	%100
77	M85	X	-13.129	-13.129	0	%100
78	M85	Z	-7.58	-7.58	0	%100
79	M86	X	-3.282	-3.282	0	%100
80	M86	Z	-1.895	-1.895	0	%100
81	M87	X	-13.053	-13.053	0	%100
82	M87	Z	-7.536	-7.536	0	%100
83	M88	X	-2.696	-2.696	0	%100
84	M88	Z	-1.556	-1.556	0	%100
85	M89	X	-2.696	-2.696	0	%100
86	M89	Z	-1.556	-1.556	0	%100
87	M90	X	-13.053	-13.053	0	%100
88	M90	Z	-7.536	-7.536	0	%100
89	M91	X	-9.519	-9.519	0	%100
90	M91	Z	-5.496	-5.496	0	%100
91	M92	X	-9.519	-9.519	0	%100
92	M92	Z	-5.496	-5.496	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	0	0	0	%100
2	CBC1	Z	0	0	0	%100
3	CBB1	X	-7.678	-7.678	0	%100
4	CBB1	Z	-13.3	-13.3	0	%100
5	CBA1	X	-7.678	-7.678	0	%100
6	CBA1	Z	-13.3	-13.3	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	-7.678	-7.678	0	%100
10	M8	Z	-13.3	-13.3	0	%100
11	M9	X	-7.678	-7.678	0	%100
12	M9	Z	-13.3	-13.3	0	%100
13	M10	X	-8.731	-8.731	0	%100
14	M10	Z	-15.122	-15.122	0	%100
15	M23	X	-2.183	-2.183	0	%100
16	M23	Z	-3.78	-3.78	0	%100
17	M24	X	-2.183	-2.183	0	%100
18	M24	Z	-3.78	-3.78	0	%100
19	MP1A	X	-4.863	-4.863	0	%100
20	MP1A	Z	-8.423	-8.423	0	%100
21	MP2A	X	-4.863	-4.863	0	%100
22	MP2A	Z	-8.423	-8.423	0	%100
23	MP4A	X	-4.863	-4.863	0	%100
24	MP4A	Z	-8.423	-8.423	0	%100
25	M28A	X	-1.914	-1.914	0	%100
26	M28A	Z	-3.315	-3.315	0	%100
27	M29A	X	-1.45	-1.45	0	%100
28	M29A	Z	-2.512	-2.512	0	%100
29	M30A	X	-7.655	-7.655	0	%100
30	M30A	Z	-13.258	-13.258	0	%100
31	M32	X	-1.914	-1.914	0	%100
32	M32	Z	-3.315	-3.315	0	%100
33	MP3A	X	-4.863	-4.863	0	%100
34	MP3A	Z	-8.423	-8.423	0	%100
35	MP1C	X	-4.863	-4.863	0	%100
36	MP1C	Z	-8.423	-8.423	0	%100
37	MP2C	X	-4.863	-4.863	0	%100
38	MP2C	Z	-8.423	-8.423	0	%100
39	MP4C	X	-4.863	-4.863	0	%100
40	MP4C	Z	-8.423	-8.423	0	%100
41	MP3C	X	-4.863	-4.863	0	%100
42	MP3C	Z	-8.423	-8.423	0	%100
43	MP1B	X	-4.863	-4.863	0	%100
44	MP1B	Z	-8.423	-8.423	0	%100
45	MP2B	X	-4.863	-4.863	0	%100
46	MP2B	Z	-8.423	-8.423	0	%100
47	MP4B	X	-4.863	-4.863	0	%100
48	MP4B	Z	-8.423	-8.423	0	%100
49	MP3B	X	-4.863	-4.863	0	%100
50	MP3B	Z	-8.423	-8.423	0	%100
51	M38A	X	-1.45	-1.45	0	%100
52	M38A	Z	-2.512	-2.512	0	%100
53	M39A	X	-5.802	-5.802	0	%100
54	M39A	Z	-10.049	-10.049	0	%100
55	MPSO	X	-3.522	-3.522	0	%100
56	MPSO	Z	-6.1	-6.1	0	%100
57	M44	X	-4.415	-4.415	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M44	Z	-7.647	-7.647	0	%100
59	M70A	X	0	0	0	%100
60	M70A	Z	0	0	0	%100
61	M71A	X	-4.415	-4.415	0	%100
62	M71A	Z	-7.647	-7.647	0	%100
63	M74	X	-9.982	-9.982	0	%100
64	M74	Z	-17.289	-17.289	0	%100
65	M75	X	-9.982	-9.982	0	%100
66	M75	Z	-17.289	-17.289	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	0	0	0	%100
69	M79	X	0	0	0	%100
70	M79	Z	0	0	0	%100
71	M82	X	-9.982	-9.982	0	%100
72	M82	Z	-17.289	-17.289	0	%100
73	M83	X	-9.982	-9.982	0	%100
74	M83	Z	-17.289	-17.289	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	-5.685	-5.685	0	%100
78	M85	Z	-9.847	-9.847	0	%100
79	M86	X	-5.685	-5.685	0	%100
80	M86	Z	-9.847	-9.847	0	%100
81	M87	X	-8.169	-8.169	0	%100
82	M87	Z	-14.149	-14.149	0	%100
83	M88	X	-2.189	-2.189	0	%100
84	M88	Z	-3.792	-3.792	0	%100
85	M89	X	-4.23	-4.23	0	%100
86	M89	Z	-7.326	-7.326	0	%100
87	M90	X	-4.23	-4.23	0	%100
88	M90	Z	-7.326	-7.326	0	%100
89	M91	X	-2.189	-2.189	0	%100
90	M91	Z	-3.792	-3.792	0	%100
91	M92	X	-8.169	-8.169	0	%100
92	M92	Z	-14.149	-14.149	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	0	0	0	%100
2	CBC1	Z	-1.296	-1.296	0	%100
3	CBB1	X	0	0	0	%100
4	CBB1	Z	-1.296	-1.296	0	%100
5	CBA1	X	0	0	0	%100
6	CBA1	Z	-5.186	-5.186	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-1.296	-1.296	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	-1.296	-1.296	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-5.186	-5.186	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-3.409	-3.409	0	%100
15	M23	X	0	0	0	%100
16	M23	Z	-3.409	-3.409	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	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,F...	Start Location[ft,%]	End Location[ft,%]
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-3.319	-3.319	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-3.319	-3.319	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-3.319	-3.319	0	%100
25	M28A	X	0	0	0	%100
26	M28A	Z	0	0	0	%100
27	M29A	X	0	0	0	%100
28	M29A	Z	0	0	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Z	-2.897	-2.897	0	%100
31	M32	X	0	0	0	%100
32	M32	Z	-2.897	-2.897	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	-3.319	-3.319	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	-3.319	-3.319	0	%100
37	MP2C	X	0	0	0	%100
38	MP2C	Z	-3.319	-3.319	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	-3.319	-3.319	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	-3.319	-3.319	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-3.319	-3.319	0	%100
45	MP2B	X	0	0	0	%100
46	MP2B	Z	-3.319	-3.319	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	-3.319	-3.319	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-3.319	-3.319	0	%100
51	M38A	X	0	0	0	%100
52	M38A	Z	-2.266	-2.266	0	%100
53	M39A	X	0	0	0	%100
54	M39A	Z	-2.266	-2.266	0	%100
55	MPSO	X	0	0	0	%100
56	MPSO	Z	-2.415	-2.415	0	%100
57	M44	X	0	0	0	%100
58	M44	Z	-3.675	-3.675	0	%100
59	M70A	X	0	0	0	%100
60	M70A	Z	-.919	-.919	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	-.919	-.919	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	-5.576	-5.576	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	-5.576	-5.576	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	-1.394	-1.394	0	%100
69	M79	X	0	0	0	%100
70	M79	Z	-1.394	-1.394	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	-1.394	-1.394	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	-1.394	-1.394	0	%100
75	M84	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,F...	Start Location[ft,%]	End Location[ft,%]
76	M84	Z	-.97	-.97	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	-.97	-.97	0	%100
79	M86	X	0	0	0	%100
80	M86	Z	-3.88	-3.88	0	%100
81	M87	X	0	0	0	%100
82	M87	Z	-2.979	-2.979	0	%100
83	M88	X	0	0	0	%100
84	M88	Z	-2.979	-2.979	0	%100
85	M89	X	0	0	0	%100
86	M89	Z	-4.085	-4.085	0	%100
87	M90	X	0	0	0	%100
88	M90	Z	-.844	-.844	0	%100
89	M91	X	0	0	0	%100
90	M91	Z	-.844	-.844	0	%100
91	M92	X	0	0	0	%100
92	M92	Z	-4.085	-4.085	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	1.945	1.945	0	%100
2	CBC1	Z	-3.368	-3.368	0	%100
3	CBB1	X	0	0	0	%100
4	CBB1	Z	0	0	0	%100
5	CBA1	X	1.945	1.945	0	%100
6	CBA1	Z	-3.368	-3.368	0	%100
7	M7	X	1.945	1.945	0	%100
8	M7	Z	-3.368	-3.368	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	1.945	1.945	0	%100
12	M9	Z	-3.368	-3.368	0	%100
13	M10	X	.568	.568	0	%100
14	M10	Z	-.984	-.984	0	%100
15	M23	X	2.273	2.273	0	%100
16	M23	Z	-3.937	-3.937	0	%100
17	M24	X	.568	.568	0	%100
18	M24	Z	-.984	-.984	0	%100
19	MP1A	X	1.66	1.66	0	%100
20	MP1A	Z	-2.875	-2.875	0	%100
21	MP2A	X	1.66	1.66	0	%100
22	MP2A	Z	-2.875	-2.875	0	%100
23	MP4A	X	1.66	1.66	0	%100
24	MP4A	Z	-2.875	-2.875	0	%100
25	M28A	X	.483	.483	0	%100
26	M28A	Z	-.836	-.836	0	%100
27	M29A	X	.378	.378	0	%100
28	M29A	Z	-.654	-.654	0	%100
29	M30A	X	.483	.483	0	%100
30	M30A	Z	-.836	-.836	0	%100
31	M32	X	1.931	1.931	0	%100
32	M32	Z	-3.345	-3.345	0	%100
33	MP3A	X	1.66	1.66	0	%100
34	MP3A	Z	-2.875	-2.875	0	%100
35	MP1C	X	1.66	1.66	0	%100
36	MP1C	Z	-2.875	-2.875	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP2C	X	1.66	1.66	0	%100
38	MP2C	Z	-2.875	-2.875	0	%100
39	MP4C	X	1.66	1.66	0	%100
40	MP4C	Z	-2.875	-2.875	0	%100
41	MP3C	X	1.66	1.66	0	%100
42	MP3C	Z	-2.875	-2.875	0	%100
43	MP1B	X	1.66	1.66	0	%100
44	MP1B	Z	-2.875	-2.875	0	%100
45	MP2B	X	1.66	1.66	0	%100
46	MP2B	Z	-2.875	-2.875	0	%100
47	MP4B	X	1.66	1.66	0	%100
48	MP4B	Z	-2.875	-2.875	0	%100
49	MP3B	X	1.66	1.66	0	%100
50	MP3B	Z	-2.875	-2.875	0	%100
51	M38A	X	1.511	1.511	0	%100
52	M38A	Z	-2.617	-2.617	0	%100
53	M39A	X	.378	.378	0	%100
54	M39A	Z	-.654	-.654	0	%100
55	MPSO	X	1.207	1.207	0	%100
56	MPSO	Z	-2.091	-2.091	0	%100
57	M44	X	1.378	1.378	0	%100
58	M44	Z	-2.387	-2.387	0	%100
59	M70A	X	1.378	1.378	0	%100
60	M70A	Z	-2.387	-2.387	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	0	0	0	%100
63	M74	X	2.091	2.091	0	%100
64	M74	Z	-3.622	-3.622	0	%100
65	M75	X	2.091	2.091	0	%100
66	M75	Z	-3.622	-3.622	0	%100
67	M78	X	2.091	2.091	0	%100
68	M78	Z	-3.622	-3.622	0	%100
69	M79	X	2.091	2.091	0	%100
70	M79	Z	-3.622	-3.622	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	1.455	1.455	0	%100
76	M84	Z	-2.52	-2.52	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	0	0	0	%100
79	M86	X	1.455	1.455	0	%100
80	M86	Z	-2.52	-2.52	0	%100
81	M87	X	.593	.593	0	%100
82	M87	Z	-1.028	-1.028	0	%100
83	M88	X	2.214	2.214	0	%100
84	M88	Z	-3.835	-3.835	0	%100
85	M89	X	2.214	2.214	0	%100
86	M89	Z	-3.835	-3.835	0	%100
87	M90	X	.593	.593	0	%100
88	M90	Z	-1.028	-1.028	0	%100
89	M91	X	1.146	1.146	0	%100
90	M91	Z	-1.985	-1.985	0	%100
91	M92	X	1.146	1.146	0	%100
92	M92	Z	-1.985	-1.985	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	4.491	4.491	0	%100
2	CBC1	Z	-2.593	-2.593	0	%100
3	CBB1	X	1.123	1.123	0	%100
4	CBB1	Z	-.648	-.648	0	%100
5	CBA1	X	1.123	1.123	0	%100
6	CBA1	Z	-.648	-.648	0	%100
7	M7	X	4.491	4.491	0	%100
8	M7	Z	-2.593	-2.593	0	%100
9	M8	X	1.123	1.123	0	%100
10	M8	Z	-.648	-.648	0	%100
11	M9	X	1.123	1.123	0	%100
12	M9	Z	-.648	-.648	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M23	X	2.953	2.953	0	%100
16	M23	Z	-1.705	-1.705	0	%100
17	M24	X	2.953	2.953	0	%100
18	M24	Z	-1.705	-1.705	0	%100
19	MP1A	X	2.875	2.875	0	%100
20	MP1A	Z	-1.66	-1.66	0	%100
21	MP2A	X	2.875	2.875	0	%100
22	MP2A	Z	-1.66	-1.66	0	%100
23	MP4A	X	2.875	2.875	0	%100
24	MP4A	Z	-1.66	-1.66	0	%100
25	M28A	X	2.509	2.509	0	%100
26	M28A	Z	-1.449	-1.449	0	%100
27	M29A	X	1.963	1.963	0	%100
28	M29A	Z	-1.133	-1.133	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Z	0	0	0	%100
31	M32	X	2.509	2.509	0	%100
32	M32	Z	-1.449	-1.449	0	%100
33	MP3A	X	2.875	2.875	0	%100
34	MP3A	Z	-1.66	-1.66	0	%100
35	MP1C	X	2.875	2.875	0	%100
36	MP1C	Z	-1.66	-1.66	0	%100
37	MP2C	X	2.875	2.875	0	%100
38	MP2C	Z	-1.66	-1.66	0	%100
39	MP4C	X	2.875	2.875	0	%100
40	MP4C	Z	-1.66	-1.66	0	%100
41	MP3C	X	2.875	2.875	0	%100
42	MP3C	Z	-1.66	-1.66	0	%100
43	MP1B	X	2.875	2.875	0	%100
44	MP1B	Z	-1.66	-1.66	0	%100
45	MP2B	X	2.875	2.875	0	%100
46	MP2B	Z	-1.66	-1.66	0	%100
47	MP4B	X	2.875	2.875	0	%100
48	MP4B	Z	-1.66	-1.66	0	%100
49	MP3B	X	2.875	2.875	0	%100
50	MP3B	Z	-1.66	-1.66	0	%100
51	M38A	X	1.963	1.963	0	%100
52	M38A	Z	-1.133	-1.133	0	%100
53	M39A	X	0	0	0	%100
54	M39A	Z	0	0	0	%100
55	MPSO	X	2.091	2.091	0	%100
56	MPSO	Z	-1.207	-1.207	0	%100
57	M44	X	.796	.796	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M44	Z	-.459	-.459	0	%100
59	M70A	X	3.183	3.183	0	%100
60	M70A	Z	-1.837	-1.837	0	%100
61	M71A	X	.796	.796	0	%100
62	M71A	Z	-.459	-.459	0	%100
63	M74	X	1.207	1.207	0	%100
64	M74	Z	-.697	-.697	0	%100
65	M75	X	1.207	1.207	0	%100
66	M75	Z	-.697	-.697	0	%100
67	M78	X	4.829	4.829	0	%100
68	M78	Z	-2.788	-2.788	0	%100
69	M79	X	4.829	4.829	0	%100
70	M79	Z	-2.788	-2.788	0	%100
71	M82	X	1.207	1.207	0	%100
72	M82	Z	-.697	-.697	0	%100
73	M83	X	1.207	1.207	0	%100
74	M83	Z	-.697	-.697	0	%100
75	M84	X	3.36	3.36	0	%100
76	M84	Z	-1.94	-1.94	0	%100
77	M85	X	.84	.84	0	%100
78	M85	Z	-.485	-.485	0	%100
79	M86	X	.84	.84	0	%100
80	M86	Z	-.485	-.485	0	%100
81	M87	X	.731	.731	0	%100
82	M87	Z	-.422	-.422	0	%100
83	M88	X	3.537	3.537	0	%100
84	M88	Z	-2.042	-2.042	0	%100
85	M89	X	2.58	2.58	0	%100
86	M89	Z	-1.489	-1.489	0	%100
87	M90	X	2.58	2.58	0	%100
88	M90	Z	-1.489	-1.489	0	%100
89	M91	X	3.537	3.537	0	%100
90	M91	Z	-2.042	-2.042	0	%100
91	M92	X	.731	.731	0	%100
92	M92	Z	-.422	-.422	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	3.889	3.889	0	%100
2	CBC1	Z	0	0	0	%100
3	CBB1	X	3.889	3.889	0	%100
4	CBB1	Z	0	0	0	%100
5	CBA1	X	0	0	0	%100
6	CBA1	Z	0	0	0	%100
7	M7	X	3.889	3.889	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	3.889	3.889	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	1.136	1.136	0	%100
14	M10	Z	0	0	0	%100
15	M23	X	1.136	1.136	0	%100
16	M23	Z	0	0	0	%100
17	M24	X	4.546	4.546	0	%100
18	M24	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP1A	X	3.319	3.319	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	3.319	3.319	0	%100
22	MP2A	Z	0	0	0	%100
23	MP4A	X	3.319	3.319	0	%100
24	MP4A	Z	0	0	0	%100
25	M28A	X	3.863	3.863	0	%100
26	M28A	Z	0	0	0	%100
27	M29A	X	3.022	3.022	0	%100
28	M29A	Z	0	0	0	%100
29	M30A	X	.966	.966	0	%100
30	M30A	Z	0	0	0	%100
31	M32	X	.966	.966	0	%100
32	M32	Z	0	0	0	%100
33	MP3A	X	3.319	3.319	0	%100
34	MP3A	Z	0	0	0	%100
35	MP1C	X	3.319	3.319	0	%100
36	MP1C	Z	0	0	0	%100
37	MP2C	X	3.319	3.319	0	%100
38	MP2C	Z	0	0	0	%100
39	MP4C	X	3.319	3.319	0	%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	3.319	3.319	0	%100
42	MP3C	Z	0	0	0	%100
43	MP1B	X	3.319	3.319	0	%100
44	MP1B	Z	0	0	0	%100
45	MP2B	X	3.319	3.319	0	%100
46	MP2B	Z	0	0	0	%100
47	MP4B	X	3.319	3.319	0	%100
48	MP4B	Z	0	0	0	%100
49	MP3B	X	3.319	3.319	0	%100
50	MP3B	Z	0	0	0	%100
51	M38A	X	.755	.755	0	%100
52	M38A	Z	0	0	0	%100
53	M39A	X	.755	.755	0	%100
54	M39A	Z	0	0	0	%100
55	MPSO	X	2.415	2.415	0	%100
56	MPSO	Z	0	0	0	%100
57	M44	X	0	0	0	%100
58	M44	Z	0	0	0	%100
59	M70A	X	2.756	2.756	0	%100
60	M70A	Z	0	0	0	%100
61	M71A	X	2.756	2.756	0	%100
62	M71A	Z	0	0	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	0	0	0	%100
67	M78	X	4.182	4.182	0	%100
68	M78	Z	0	0	0	%100
69	M79	X	4.182	4.182	0	%100
70	M79	Z	0	0	0	%100
71	M82	X	4.182	4.182	0	%100
72	M82	Z	0	0	0	%100
73	M83	X	4.182	4.182	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	2.91	2.91	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	M84	Z	0	0	0	%100
77	M85	X	2.91	2.91	0	%100
78	M85	Z	0	0	0	%100
79	M86	X	0	0	0	%100
80	M86	Z	0	0	0	%100
81	M87	X	2.293	2.293	0	%100
82	M87	Z	0	0	0	%100
83	M88	X	2.293	2.293	0	%100
84	M88	Z	0	0	0	%100
85	M89	X	1.187	1.187	0	%100
86	M89	Z	0	0	0	%100
87	M90	X	4.428	4.428	0	%100
88	M90	Z	0	0	0	%100
89	M91	X	4.428	4.428	0	%100
90	M91	Z	0	0	0	%100
91	M92	X	1.187	1.187	0	%100
92	M92	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	1.123	1.123	0	%100
2	CBC1	Z	.648	.648	0	%100
3	CBB1	X	4.491	4.491	0	%100
4	CBB1	Z	2.593	2.593	0	%100
5	CBA1	X	1.123	1.123	0	%100
6	CBA1	Z	.648	.648	0	%100
7	M7	X	1.123	1.123	0	%100
8	M7	Z	.648	.648	0	%100
9	M8	X	4.491	4.491	0	%100
10	M8	Z	2.593	2.593	0	%100
11	M9	X	1.123	1.123	0	%100
12	M9	Z	.648	.648	0	%100
13	M10	X	2.953	2.953	0	%100
14	M10	Z	1.705	1.705	0	%100
15	M23	X	0	0	0	%100
16	M23	Z	0	0	0	%100
17	M24	X	2.953	2.953	0	%100
18	M24	Z	1.705	1.705	0	%100
19	MP1A	X	2.875	2.875	0	%100
20	MP1A	Z	1.66	1.66	0	%100
21	MP2A	X	2.875	2.875	0	%100
22	MP2A	Z	1.66	1.66	0	%100
23	MP4A	X	2.875	2.875	0	%100
24	MP4A	Z	1.66	1.66	0	%100
25	M28A	X	2.509	2.509	0	%100
26	M28A	Z	1.449	1.449	0	%100
27	M29A	X	1.963	1.963	0	%100
28	M29A	Z	1.133	1.133	0	%100
29	M30A	X	2.509	2.509	0	%100
30	M30A	Z	1.449	1.449	0	%100
31	M32	X	0	0	0	%100
32	M32	Z	0	0	0	%100
33	MP3A	X	2.875	2.875	0	%100
34	MP3A	Z	1.66	1.66	0	%100
35	MP1C	X	2.875	2.875	0	%100
36	MP1C	Z	1.66	1.66	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP2C	X	2.875	2.875	0	%100
38	MP2C	Z	1.66	1.66	0	%100
39	MP4C	X	2.875	2.875	0	%100
40	MP4C	Z	1.66	1.66	0	%100
41	MP3C	X	2.875	2.875	0	%100
42	MP3C	Z	1.66	1.66	0	%100
43	MP1B	X	2.875	2.875	0	%100
44	MP1B	Z	1.66	1.66	0	%100
45	MP2B	X	2.875	2.875	0	%100
46	MP2B	Z	1.66	1.66	0	%100
47	MP4B	X	2.875	2.875	0	%100
48	MP4B	Z	1.66	1.66	0	%100
49	MP3B	X	2.875	2.875	0	%100
50	MP3B	Z	1.66	1.66	0	%100
51	M38A	X	0	0	0	%100
52	M38A	Z	0	0	0	%100
53	M39A	X	1.963	1.963	0	%100
54	M39A	Z	1.133	1.133	0	%100
55	MPSO	X	2.091	2.091	0	%100
56	MPSO	Z	1.207	1.207	0	%100
57	M44	X	.796	.796	0	%100
58	M44	Z	.459	.459	0	%100
59	M70A	X	.796	.796	0	%100
60	M70A	Z	.459	.459	0	%100
61	M71A	X	3.183	3.183	0	%100
62	M71A	Z	1.837	1.837	0	%100
63	M74	X	1.207	1.207	0	%100
64	M74	Z	.697	.697	0	%100
65	M75	X	1.207	1.207	0	%100
66	M75	Z	.697	.697	0	%100
67	M78	X	1.207	1.207	0	%100
68	M78	Z	.697	.697	0	%100
69	M79	X	1.207	1.207	0	%100
70	M79	Z	.697	.697	0	%100
71	M82	X	4.829	4.829	0	%100
72	M82	Z	2.788	2.788	0	%100
73	M83	X	4.829	4.829	0	%100
74	M83	Z	2.788	2.788	0	%100
75	M84	X	.84	.84	0	%100
76	M84	Z	.485	.485	0	%100
77	M85	X	3.36	3.36	0	%100
78	M85	Z	1.94	1.94	0	%100
79	M86	X	.84	.84	0	%100
80	M86	Z	.485	.485	0	%100
81	M87	X	3.537	3.537	0	%100
82	M87	Z	2.042	2.042	0	%100
83	M88	X	.731	.731	0	%100
84	M88	Z	.422	.422	0	%100
85	M89	X	.731	.731	0	%100
86	M89	Z	.422	.422	0	%100
87	M90	X	3.537	3.537	0	%100
88	M90	Z	2.042	2.042	0	%100
89	M91	X	2.58	2.58	0	%100
90	M91	Z	1.489	1.489	0	%100
91	M92	X	2.58	2.58	0	%100
92	M92	Z	1.489	1.489	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	0	0	0	%100
2	CBC1	Z	0	0	0	%100
3	CBB1	X	1.945	1.945	0	%100
4	CBB1	Z	3.368	3.368	0	%100
5	CBA1	X	1.945	1.945	0	%100
6	CBA1	Z	3.368	3.368	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	1.945	1.945	0	%100
10	M8	Z	3.368	3.368	0	%100
11	M9	X	1.945	1.945	0	%100
12	M9	Z	3.368	3.368	0	%100
13	M10	X	2.273	2.273	0	%100
14	M10	Z	3.937	3.937	0	%100
15	M23	X	.568	.568	0	%100
16	M23	Z	.984	.984	0	%100
17	M24	X	.568	.568	0	%100
18	M24	Z	.984	.984	0	%100
19	MP1A	X	1.66	1.66	0	%100
20	MP1A	Z	2.875	2.875	0	%100
21	MP2A	X	1.66	1.66	0	%100
22	MP2A	Z	2.875	2.875	0	%100
23	MP4A	X	1.66	1.66	0	%100
24	MP4A	Z	2.875	2.875	0	%100
25	M28A	X	.483	.483	0	%100
26	M28A	Z	.836	.836	0	%100
27	M29A	X	.378	.378	0	%100
28	M29A	Z	.654	.654	0	%100
29	M30A	X	1.931	1.931	0	%100
30	M30A	Z	3.345	3.345	0	%100
31	M32	X	.483	.483	0	%100
32	M32	Z	.836	.836	0	%100
33	MP3A	X	1.66	1.66	0	%100
34	MP3A	Z	2.875	2.875	0	%100
35	MP1C	X	1.66	1.66	0	%100
36	MP1C	Z	2.875	2.875	0	%100
37	MP2C	X	1.66	1.66	0	%100
38	MP2C	Z	2.875	2.875	0	%100
39	MP4C	X	1.66	1.66	0	%100
40	MP4C	Z	2.875	2.875	0	%100
41	MP3C	X	1.66	1.66	0	%100
42	MP3C	Z	2.875	2.875	0	%100
43	MP1B	X	1.66	1.66	0	%100
44	MP1B	Z	2.875	2.875	0	%100
45	MP2B	X	1.66	1.66	0	%100
46	MP2B	Z	2.875	2.875	0	%100
47	MP4B	X	1.66	1.66	0	%100
48	MP4B	Z	2.875	2.875	0	%100
49	MP3B	X	1.66	1.66	0	%100
50	MP3B	Z	2.875	2.875	0	%100
51	M38A	X	.378	.378	0	%100
52	M38A	Z	.654	.654	0	%100
53	M39A	X	1.511	1.511	0	%100
54	M39A	Z	2.617	2.617	0	%100
55	MPSO	X	1.207	1.207	0	%100
56	MPSO	Z	2.091	2.091	0	%100
57	M44	X	1.378	1.378	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M44	Z	2.387	2.387	0	%100
59	M70A	X	0	0	0	%100
60	M70A	Z	0	0	0	%100
61	M71A	X	1.378	1.378	0	%100
62	M71A	Z	2.387	2.387	0	%100
63	M74	X	2.091	2.091	0	%100
64	M74	Z	3.622	3.622	0	%100
65	M75	X	2.091	2.091	0	%100
66	M75	Z	3.622	3.622	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	0	0	0	%100
69	M79	X	0	0	0	%100
70	M79	Z	0	0	0	%100
71	M82	X	2.091	2.091	0	%100
72	M82	Z	3.622	3.622	0	%100
73	M83	X	2.091	2.091	0	%100
74	M83	Z	3.622	3.622	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	1.455	1.455	0	%100
78	M85	Z	2.52	2.52	0	%100
79	M86	X	1.455	1.455	0	%100
80	M86	Z	2.52	2.52	0	%100
81	M87	X	2.214	2.214	0	%100
82	M87	Z	3.835	3.835	0	%100
83	M88	X	.593	.593	0	%100
84	M88	Z	1.028	1.028	0	%100
85	M89	X	1.146	1.146	0	%100
86	M89	Z	1.985	1.985	0	%100
87	M90	X	1.146	1.146	0	%100
88	M90	Z	1.985	1.985	0	%100
89	M91	X	.593	.593	0	%100
90	M91	Z	1.028	1.028	0	%100
91	M92	X	2.214	2.214	0	%100
92	M92	Z	3.835	3.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	0	0	0	%100
2	CBC1	Z	1.296	1.296	0	%100
3	CBB1	X	0	0	0	%100
4	CBB1	Z	1.296	1.296	0	%100
5	CBA1	X	0	0	0	%100
6	CBA1	Z	5.186	5.186	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	1.296	1.296	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	1.296	1.296	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	5.186	5.186	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	3.409	3.409	0	%100
15	M23	X	0	0	0	%100
16	M23	Z	3.409	3.409	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	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,F...	Start Location[ft,%]	End Location[ft,%]
19	MP1A	X	0	0	0	%100
20	MP1A	Z	3.319	3.319	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	3.319	3.319	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	3.319	3.319	0	%100
25	M28A	X	0	0	0	%100
26	M28A	Z	0	0	0	%100
27	M29A	X	0	0	0	%100
28	M29A	Z	0	0	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Z	2.897	2.897	0	%100
31	M32	X	0	0	0	%100
32	M32	Z	2.897	2.897	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	3.319	3.319	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	3.319	3.319	0	%100
37	MP2C	X	0	0	0	%100
38	MP2C	Z	3.319	3.319	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	3.319	3.319	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	3.319	3.319	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	3.319	3.319	0	%100
45	MP2B	X	0	0	0	%100
46	MP2B	Z	3.319	3.319	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	3.319	3.319	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	3.319	3.319	0	%100
51	M38A	X	0	0	0	%100
52	M38A	Z	2.266	2.266	0	%100
53	M39A	X	0	0	0	%100
54	M39A	Z	2.266	2.266	0	%100
55	MPSO	X	0	0	0	%100
56	MPSO	Z	2.415	2.415	0	%100
57	M44	X	0	0	0	%100
58	M44	Z	3.675	3.675	0	%100
59	M70A	X	0	0	0	%100
60	M70A	Z	.919	.919	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	.919	.919	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	5.576	5.576	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	5.576	5.576	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	1.394	1.394	0	%100
69	M79	X	0	0	0	%100
70	M79	Z	1.394	1.394	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	1.394	1.394	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	1.394	1.394	0	%100
75	M84	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,F...	Start Location[ft,%]	End Location[ft,%]
76	M84	Z	.97	.97	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	.97	.97	0	%100
79	M86	X	0	0	0	%100
80	M86	Z	3.88	3.88	0	%100
81	M87	X	0	0	0	%100
82	M87	Z	2.979	2.979	0	%100
83	M88	X	0	0	0	%100
84	M88	Z	2.979	2.979	0	%100
85	M89	X	0	0	0	%100
86	M89	Z	4.085	4.085	0	%100
87	M90	X	0	0	0	%100
88	M90	Z	.844	.844	0	%100
89	M91	X	0	0	0	%100
90	M91	Z	.844	.844	0	%100
91	M92	X	0	0	0	%100
92	M92	Z	4.085	4.085	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	-1.945	-1.945	0	%100
2	CBC1	Z	3.368	3.368	0	%100
3	CBB1	X	0	0	0	%100
4	CBB1	Z	0	0	0	%100
5	CBA1	X	-1.945	-1.945	0	%100
6	CBA1	Z	3.368	3.368	0	%100
7	M7	X	-1.945	-1.945	0	%100
8	M7	Z	3.368	3.368	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	-1.945	-1.945	0	%100
12	M9	Z	3.368	3.368	0	%100
13	M10	X	-.568	-.568	0	%100
14	M10	Z	.984	.984	0	%100
15	M23	X	-2.273	-2.273	0	%100
16	M23	Z	3.937	3.937	0	%100
17	M24	X	-.568	-.568	0	%100
18	M24	Z	.984	.984	0	%100
19	MP1A	X	-1.66	-1.66	0	%100
20	MP1A	Z	2.875	2.875	0	%100
21	MP2A	X	-1.66	-1.66	0	%100
22	MP2A	Z	2.875	2.875	0	%100
23	MP4A	X	-1.66	-1.66	0	%100
24	MP4A	Z	2.875	2.875	0	%100
25	M28A	X	-.483	-.483	0	%100
26	M28A	Z	.836	.836	0	%100
27	M29A	X	-.378	-.378	0	%100
28	M29A	Z	.654	.654	0	%100
29	M30A	X	-.483	-.483	0	%100
30	M30A	Z	.836	.836	0	%100
31	M32	X	-1.931	-1.931	0	%100
32	M32	Z	3.345	3.345	0	%100
33	MP3A	X	-1.66	-1.66	0	%100
34	MP3A	Z	2.875	2.875	0	%100
35	MP1C	X	-1.66	-1.66	0	%100
36	MP1C	Z	2.875	2.875	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP2C	X	-1.66	-1.66	0	%100
38	MP2C	Z	2.875	2.875	0	%100
39	MP4C	X	-1.66	-1.66	0	%100
40	MP4C	Z	2.875	2.875	0	%100
41	MP3C	X	-1.66	-1.66	0	%100
42	MP3C	Z	2.875	2.875	0	%100
43	MP1B	X	-1.66	-1.66	0	%100
44	MP1B	Z	2.875	2.875	0	%100
45	MP2B	X	-1.66	-1.66	0	%100
46	MP2B	Z	2.875	2.875	0	%100
47	MP4B	X	-1.66	-1.66	0	%100
48	MP4B	Z	2.875	2.875	0	%100
49	MP3B	X	-1.66	-1.66	0	%100
50	MP3B	Z	2.875	2.875	0	%100
51	M38A	X	-1.511	-1.511	0	%100
52	M38A	Z	2.617	2.617	0	%100
53	M39A	X	-.378	-.378	0	%100
54	M39A	Z	.654	.654	0	%100
55	MPSO	X	-1.207	-1.207	0	%100
56	MPSO	Z	2.091	2.091	0	%100
57	M44	X	-1.378	-1.378	0	%100
58	M44	Z	2.387	2.387	0	%100
59	M70A	X	-1.378	-1.378	0	%100
60	M70A	Z	2.387	2.387	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	0	0	0	%100
63	M74	X	-2.091	-2.091	0	%100
64	M74	Z	3.622	3.622	0	%100
65	M75	X	-2.091	-2.091	0	%100
66	M75	Z	3.622	3.622	0	%100
67	M78	X	-2.091	-2.091	0	%100
68	M78	Z	3.622	3.622	0	%100
69	M79	X	-2.091	-2.091	0	%100
70	M79	Z	3.622	3.622	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	-1.455	-1.455	0	%100
76	M84	Z	2.52	2.52	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	0	0	0	%100
79	M86	X	-1.455	-1.455	0	%100
80	M86	Z	2.52	2.52	0	%100
81	M87	X	-.593	-.593	0	%100
82	M87	Z	1.028	1.028	0	%100
83	M88	X	-2.214	-2.214	0	%100
84	M88	Z	3.835	3.835	0	%100
85	M89	X	-2.214	-2.214	0	%100
86	M89	Z	3.835	3.835	0	%100
87	M90	X	-.593	-.593	0	%100
88	M90	Z	1.028	1.028	0	%100
89	M91	X	-1.146	-1.146	0	%100
90	M91	Z	1.985	1.985	0	%100
91	M92	X	-1.146	-1.146	0	%100
92	M92	Z	1.985	1.985	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	-4.491	-4.491	0	%100
2	CBC1	Z	2.593	2.593	0	%100
3	CBB1	X	-1.123	-1.123	0	%100
4	CBB1	Z	.648	.648	0	%100
5	CBA1	X	-1.123	-1.123	0	%100
6	CBA1	Z	.648	.648	0	%100
7	M7	X	-4.491	-4.491	0	%100
8	M7	Z	2.593	2.593	0	%100
9	M8	X	-1.123	-1.123	0	%100
10	M8	Z	.648	.648	0	%100
11	M9	X	-1.123	-1.123	0	%100
12	M9	Z	.648	.648	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M23	X	-2.953	-2.953	0	%100
16	M23	Z	1.705	1.705	0	%100
17	M24	X	-2.953	-2.953	0	%100
18	M24	Z	1.705	1.705	0	%100
19	MP1A	X	-2.875	-2.875	0	%100
20	MP1A	Z	1.66	1.66	0	%100
21	MP2A	X	-2.875	-2.875	0	%100
22	MP2A	Z	1.66	1.66	0	%100
23	MP4A	X	-2.875	-2.875	0	%100
24	MP4A	Z	1.66	1.66	0	%100
25	M28A	X	-2.509	-2.509	0	%100
26	M28A	Z	1.449	1.449	0	%100
27	M29A	X	-1.963	-1.963	0	%100
28	M29A	Z	1.133	1.133	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Z	0	0	0	%100
31	M32	X	-2.509	-2.509	0	%100
32	M32	Z	1.449	1.449	0	%100
33	MP3A	X	-2.875	-2.875	0	%100
34	MP3A	Z	1.66	1.66	0	%100
35	MP1C	X	-2.875	-2.875	0	%100
36	MP1C	Z	1.66	1.66	0	%100
37	MP2C	X	-2.875	-2.875	0	%100
38	MP2C	Z	1.66	1.66	0	%100
39	MP4C	X	-2.875	-2.875	0	%100
40	MP4C	Z	1.66	1.66	0	%100
41	MP3C	X	-2.875	-2.875	0	%100
42	MP3C	Z	1.66	1.66	0	%100
43	MP1B	X	-2.875	-2.875	0	%100
44	MP1B	Z	1.66	1.66	0	%100
45	MP2B	X	-2.875	-2.875	0	%100
46	MP2B	Z	1.66	1.66	0	%100
47	MP4B	X	-2.875	-2.875	0	%100
48	MP4B	Z	1.66	1.66	0	%100
49	MP3B	X	-2.875	-2.875	0	%100
50	MP3B	Z	1.66	1.66	0	%100
51	M38A	X	-1.963	-1.963	0	%100
52	M38A	Z	1.133	1.133	0	%100
53	M39A	X	0	0	0	%100
54	M39A	Z	0	0	0	%100
55	MPSO	X	-2.091	-2.091	0	%100
56	MPSO	Z	1.207	1.207	0	%100
57	M44	X	-.796	-.796	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M44	Z	.459	.459	0	%100
59	M70A	X	-3.183	-3.183	0	%100
60	M70A	Z	1.837	1.837	0	%100
61	M71A	X	-.796	-.796	0	%100
62	M71A	Z	.459	.459	0	%100
63	M74	X	-1.207	-1.207	0	%100
64	M74	Z	.697	.697	0	%100
65	M75	X	-1.207	-1.207	0	%100
66	M75	Z	.697	.697	0	%100
67	M78	X	-4.829	-4.829	0	%100
68	M78	Z	2.788	2.788	0	%100
69	M79	X	-4.829	-4.829	0	%100
70	M79	Z	2.788	2.788	0	%100
71	M82	X	-1.207	-1.207	0	%100
72	M82	Z	.697	.697	0	%100
73	M83	X	-1.207	-1.207	0	%100
74	M83	Z	.697	.697	0	%100
75	M84	X	-3.36	-3.36	0	%100
76	M84	Z	1.94	1.94	0	%100
77	M85	X	-.84	-.84	0	%100
78	M85	Z	.485	.485	0	%100
79	M86	X	-.84	-.84	0	%100
80	M86	Z	.485	.485	0	%100
81	M87	X	-.731	-.731	0	%100
82	M87	Z	.422	.422	0	%100
83	M88	X	-3.537	-3.537	0	%100
84	M88	Z	2.042	2.042	0	%100
85	M89	X	-2.58	-2.58	0	%100
86	M89	Z	1.489	1.489	0	%100
87	M90	X	-2.58	-2.58	0	%100
88	M90	Z	1.489	1.489	0	%100
89	M91	X	-3.537	-3.537	0	%100
90	M91	Z	2.042	2.042	0	%100
91	M92	X	-.731	-.731	0	%100
92	M92	Z	.422	.422	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	-3.889	-3.889	0	%100
2	CBC1	Z	0	0	0	%100
3	CBB1	X	-3.889	-3.889	0	%100
4	CBB1	Z	0	0	0	%100
5	CBA1	X	0	0	0	%100
6	CBA1	Z	0	0	0	%100
7	M7	X	-3.889	-3.889	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	-3.889	-3.889	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	-1.136	-1.136	0	%100
14	M10	Z	0	0	0	%100
15	M23	X	-1.136	-1.136	0	%100
16	M23	Z	0	0	0	%100
17	M24	X	-4.546	-4.546	0	%100
18	M24	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP1A	X	-3.319	-3.319	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	-3.319	-3.319	0	%100
22	MP2A	Z	0	0	0	%100
23	MP4A	X	-3.319	-3.319	0	%100
24	MP4A	Z	0	0	0	%100
25	M28A	X	-3.863	-3.863	0	%100
26	M28A	Z	0	0	0	%100
27	M29A	X	-3.022	-3.022	0	%100
28	M29A	Z	0	0	0	%100
29	M30A	X	-.966	-.966	0	%100
30	M30A	Z	0	0	0	%100
31	M32	X	-.966	-.966	0	%100
32	M32	Z	0	0	0	%100
33	MP3A	X	-3.319	-3.319	0	%100
34	MP3A	Z	0	0	0	%100
35	MP1C	X	-3.319	-3.319	0	%100
36	MP1C	Z	0	0	0	%100
37	MP2C	X	-3.319	-3.319	0	%100
38	MP2C	Z	0	0	0	%100
39	MP4C	X	-3.319	-3.319	0	%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	-3.319	-3.319	0	%100
42	MP3C	Z	0	0	0	%100
43	MP1B	X	-3.319	-3.319	0	%100
44	MP1B	Z	0	0	0	%100
45	MP2B	X	-3.319	-3.319	0	%100
46	MP2B	Z	0	0	0	%100
47	MP4B	X	-3.319	-3.319	0	%100
48	MP4B	Z	0	0	0	%100
49	MP3B	X	-3.319	-3.319	0	%100
50	MP3B	Z	0	0	0	%100
51	M38A	X	-.755	-.755	0	%100
52	M38A	Z	0	0	0	%100
53	M39A	X	-.755	-.755	0	%100
54	M39A	Z	0	0	0	%100
55	MPSO	X	-2.415	-2.415	0	%100
56	MPSO	Z	0	0	0	%100
57	M44	X	0	0	0	%100
58	M44	Z	0	0	0	%100
59	M70A	X	-2.756	-2.756	0	%100
60	M70A	Z	0	0	0	%100
61	M71A	X	-2.756	-2.756	0	%100
62	M71A	Z	0	0	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	0	0	0	%100
67	M78	X	-4.182	-4.182	0	%100
68	M78	Z	0	0	0	%100
69	M79	X	-4.182	-4.182	0	%100
70	M79	Z	0	0	0	%100
71	M82	X	-4.182	-4.182	0	%100
72	M82	Z	0	0	0	%100
73	M83	X	-4.182	-4.182	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	-2.91	-2.91	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	M84	Z	0	0	0	%100
77	M85	X	-2.91	-2.91	0	%100
78	M85	Z	0	0	0	%100
79	M86	X	0	0	0	%100
80	M86	Z	0	0	0	%100
81	M87	X	-2.293	-2.293	0	%100
82	M87	Z	0	0	0	%100
83	M88	X	-2.293	-2.293	0	%100
84	M88	Z	0	0	0	%100
85	M89	X	-1.187	-1.187	0	%100
86	M89	Z	0	0	0	%100
87	M90	X	-4.428	-4.428	0	%100
88	M90	Z	0	0	0	%100
89	M91	X	-4.428	-4.428	0	%100
90	M91	Z	0	0	0	%100
91	M92	X	-1.187	-1.187	0	%100
92	M92	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	-1.123	-1.123	0	%100
2	CBC1	Z	-.648	-.648	0	%100
3	CBB1	X	-4.491	-4.491	0	%100
4	CBB1	Z	-2.593	-2.593	0	%100
5	CBA1	X	-1.123	-1.123	0	%100
6	CBA1	Z	-.648	-.648	0	%100
7	M7	X	-1.123	-1.123	0	%100
8	M7	Z	-.648	-.648	0	%100
9	M8	X	-4.491	-4.491	0	%100
10	M8	Z	-2.593	-2.593	0	%100
11	M9	X	-1.123	-1.123	0	%100
12	M9	Z	-.648	-.648	0	%100
13	M10	X	-2.953	-2.953	0	%100
14	M10	Z	-1.705	-1.705	0	%100
15	M23	X	0	0	0	%100
16	M23	Z	0	0	0	%100
17	M24	X	-2.953	-2.953	0	%100
18	M24	Z	-1.705	-1.705	0	%100
19	MP1A	X	-2.875	-2.875	0	%100
20	MP1A	Z	-1.66	-1.66	0	%100
21	MP2A	X	-2.875	-2.875	0	%100
22	MP2A	Z	-1.66	-1.66	0	%100
23	MP4A	X	-2.875	-2.875	0	%100
24	MP4A	Z	-1.66	-1.66	0	%100
25	M28A	X	-2.509	-2.509	0	%100
26	M28A	Z	-1.449	-1.449	0	%100
27	M29A	X	-1.963	-1.963	0	%100
28	M29A	Z	-1.133	-1.133	0	%100
29	M30A	X	-2.509	-2.509	0	%100
30	M30A	Z	-1.449	-1.449	0	%100
31	M32	X	0	0	0	%100
32	M32	Z	0	0	0	%100
33	MP3A	X	-2.875	-2.875	0	%100
34	MP3A	Z	-1.66	-1.66	0	%100
35	MP1C	X	-2.875	-2.875	0	%100
36	MP1C	Z	-1.66	-1.66	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP2C	X	-2.875	-2.875	0	%100
38	MP2C	Z	-1.66	-1.66	0	%100
39	MP4C	X	-2.875	-2.875	0	%100
40	MP4C	Z	-1.66	-1.66	0	%100
41	MP3C	X	-2.875	-2.875	0	%100
42	MP3C	Z	-1.66	-1.66	0	%100
43	MP1B	X	-2.875	-2.875	0	%100
44	MP1B	Z	-1.66	-1.66	0	%100
45	MP2B	X	-2.875	-2.875	0	%100
46	MP2B	Z	-1.66	-1.66	0	%100
47	MP4B	X	-2.875	-2.875	0	%100
48	MP4B	Z	-1.66	-1.66	0	%100
49	MP3B	X	-2.875	-2.875	0	%100
50	MP3B	Z	-1.66	-1.66	0	%100
51	M38A	X	0	0	0	%100
52	M38A	Z	0	0	0	%100
53	M39A	X	-1.963	-1.963	0	%100
54	M39A	Z	-1.133	-1.133	0	%100
55	MPSO	X	-2.091	-2.091	0	%100
56	MPSO	Z	-1.207	-1.207	0	%100
57	M44	X	-.796	-.796	0	%100
58	M44	Z	-.459	-.459	0	%100
59	M70A	X	-.796	-.796	0	%100
60	M70A	Z	-.459	-.459	0	%100
61	M71A	X	-3.183	-3.183	0	%100
62	M71A	Z	-1.837	-1.837	0	%100
63	M74	X	-1.207	-1.207	0	%100
64	M74	Z	-.697	-.697	0	%100
65	M75	X	-1.207	-1.207	0	%100
66	M75	Z	-.697	-.697	0	%100
67	M78	X	-1.207	-1.207	0	%100
68	M78	Z	-.697	-.697	0	%100
69	M79	X	-1.207	-1.207	0	%100
70	M79	Z	-.697	-.697	0	%100
71	M82	X	-4.829	-4.829	0	%100
72	M82	Z	-2.788	-2.788	0	%100
73	M83	X	-4.829	-4.829	0	%100
74	M83	Z	-2.788	-2.788	0	%100
75	M84	X	-.84	-.84	0	%100
76	M84	Z	-.485	-.485	0	%100
77	M85	X	-3.36	-3.36	0	%100
78	M85	Z	-1.94	-1.94	0	%100
79	M86	X	-.84	-.84	0	%100
80	M86	Z	-.485	-.485	0	%100
81	M87	X	-3.537	-3.537	0	%100
82	M87	Z	-2.042	-2.042	0	%100
83	M88	X	-.731	-.731	0	%100
84	M88	Z	-.422	-.422	0	%100
85	M89	X	-.731	-.731	0	%100
86	M89	Z	-.422	-.422	0	%100
87	M90	X	-3.537	-3.537	0	%100
88	M90	Z	-2.042	-2.042	0	%100
89	M91	X	-2.58	-2.58	0	%100
90	M91	Z	-1.489	-1.489	0	%100
91	M92	X	-2.58	-2.58	0	%100
92	M92	Z	-1.489	-1.489	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	0	0	0	%100
2	CBC1	Z	0	0	0	%100
3	CBB1	X	-1.945	-1.945	0	%100
4	CBB1	Z	-3.368	-3.368	0	%100
5	CBA1	X	-1.945	-1.945	0	%100
6	CBA1	Z	-3.368	-3.368	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	-1.945	-1.945	0	%100
10	M8	Z	-3.368	-3.368	0	%100
11	M9	X	-1.945	-1.945	0	%100
12	M9	Z	-3.368	-3.368	0	%100
13	M10	X	-2.273	-2.273	0	%100
14	M10	Z	-3.937	-3.937	0	%100
15	M23	X	-.568	-.568	0	%100
16	M23	Z	-.984	-.984	0	%100
17	M24	X	-.568	-.568	0	%100
18	M24	Z	-.984	-.984	0	%100
19	MP1A	X	-1.66	-1.66	0	%100
20	MP1A	Z	-2.875	-2.875	0	%100
21	MP2A	X	-1.66	-1.66	0	%100
22	MP2A	Z	-2.875	-2.875	0	%100
23	MP4A	X	-1.66	-1.66	0	%100
24	MP4A	Z	-2.875	-2.875	0	%100
25	M28A	X	-.483	-.483	0	%100
26	M28A	Z	-.836	-.836	0	%100
27	M29A	X	-.378	-.378	0	%100
28	M29A	Z	-.654	-.654	0	%100
29	M30A	X	-1.931	-1.931	0	%100
30	M30A	Z	-3.345	-3.345	0	%100
31	M32	X	-.483	-.483	0	%100
32	M32	Z	-.836	-.836	0	%100
33	MP3A	X	-1.66	-1.66	0	%100
34	MP3A	Z	-2.875	-2.875	0	%100
35	MP1C	X	-1.66	-1.66	0	%100
36	MP1C	Z	-2.875	-2.875	0	%100
37	MP2C	X	-1.66	-1.66	0	%100
38	MP2C	Z	-2.875	-2.875	0	%100
39	MP4C	X	-1.66	-1.66	0	%100
40	MP4C	Z	-2.875	-2.875	0	%100
41	MP3C	X	-1.66	-1.66	0	%100
42	MP3C	Z	-2.875	-2.875	0	%100
43	MP1B	X	-1.66	-1.66	0	%100
44	MP1B	Z	-2.875	-2.875	0	%100
45	MP2B	X	-1.66	-1.66	0	%100
46	MP2B	Z	-2.875	-2.875	0	%100
47	MP4B	X	-1.66	-1.66	0	%100
48	MP4B	Z	-2.875	-2.875	0	%100
49	MP3B	X	-1.66	-1.66	0	%100
50	MP3B	Z	-2.875	-2.875	0	%100
51	M38A	X	-.378	-.378	0	%100
52	M38A	Z	-.654	-.654	0	%100
53	M39A	X	-1.511	-1.511	0	%100
54	M39A	Z	-2.617	-2.617	0	%100
55	MPSO	X	-1.207	-1.207	0	%100
56	MPSO	Z	-2.091	-2.091	0	%100
57	M44	X	-1.378	-1.378	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M44	Z	-2.387	-2.387	0	%100
59	M70A	X	0	0	0	%100
60	M70A	Z	0	0	0	%100
61	M71A	X	-1.378	-1.378	0	%100
62	M71A	Z	-2.387	-2.387	0	%100
63	M74	X	-2.091	-2.091	0	%100
64	M74	Z	-3.622	-3.622	0	%100
65	M75	X	-2.091	-2.091	0	%100
66	M75	Z	-3.622	-3.622	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	0	0	0	%100
69	M79	X	0	0	0	%100
70	M79	Z	0	0	0	%100
71	M82	X	-2.091	-2.091	0	%100
72	M82	Z	-3.622	-3.622	0	%100
73	M83	X	-2.091	-2.091	0	%100
74	M83	Z	-3.622	-3.622	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	-1.455	-1.455	0	%100
78	M85	Z	-2.52	-2.52	0	%100
79	M86	X	-1.455	-1.455	0	%100
80	M86	Z	-2.52	-2.52	0	%100
81	M87	X	-2.214	-2.214	0	%100
82	M87	Z	-3.835	-3.835	0	%100
83	M88	X	-.593	-.593	0	%100
84	M88	Z	-1.028	-1.028	0	%100
85	M89	X	-1.146	-1.146	0	%100
86	M89	Z	-1.985	-1.985	0	%100
87	M90	X	-1.146	-1.146	0	%100
88	M90	Z	-1.985	-1.985	0	%100
89	M91	X	-.593	-.593	0	%100
90	M91	Z	-1.028	-1.028	0	%100
91	M92	X	-2.214	-2.214	0	%100
92	M92	Z	-3.835	-3.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	0	0	0	%100
2	CBC1	Z	-.32	-.32	0	%100
3	CBB1	X	0	0	0	%100
4	CBB1	Z	-.32	-.32	0	%100
5	CBA1	X	0	0	0	%100
6	CBA1	Z	-1.28	-1.28	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-.32	-.32	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	-.32	-.32	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-1.28	-1.28	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-.818	-.818	0	%100
15	M23	X	0	0	0	%100
16	M23	Z	-.818	-.818	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	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,F...	Start Location[ft,%]	End Location[ft,%]
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-.608	-.608	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-.608	-.608	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-.608	-.608	0	%100
25	M28A	X	0	0	0	%100
26	M28A	Z	0	0	0	%100
27	M29A	X	0	0	0	%100
28	M29A	Z	0	0	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Z	-.718	-.718	0	%100
31	M32	X	0	0	0	%100
32	M32	Z	-.718	-.718	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	-.608	-.608	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	-.608	-.608	0	%100
37	MP2C	X	0	0	0	%100
38	MP2C	Z	-.608	-.608	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	-.608	-.608	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	-.608	-.608	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-.608	-.608	0	%100
45	MP2B	X	0	0	0	%100
46	MP2B	Z	-.608	-.608	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	-.608	-.608	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-.608	-.608	0	%100
51	M38A	X	0	0	0	%100
52	M38A	Z	-.544	-.544	0	%100
53	M39A	X	0	0	0	%100
54	M39A	Z	-.544	-.544	0	%100
55	MPSO	X	0	0	0	%100
56	MPSO	Z	-.44	-.44	0	%100
57	M44	X	0	0	0	%100
58	M44	Z	-.736	-.736	0	%100
59	M70A	X	0	0	0	%100
60	M70A	Z	-.184	-.184	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	-.184	-.184	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	-1.664	-1.664	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	-1.664	-1.664	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	-.416	-.416	0	%100
69	M79	X	0	0	0	%100
70	M79	Z	-.416	-.416	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	-.416	-.416	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	-.416	-.416	0	%100
75	M84	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,F...	Start Location[ft,%]	End Location[ft,%]
76	M84	Z	-.237	-.237	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	-.237	-.237	0	%100
79	M86	X	0	0	0	%100
80	M86	Z	-.947	-.947	0	%100
81	M87	X	0	0	0	%100
82	M87	Z	-.687	-.687	0	%100
83	M88	X	0	0	0	%100
84	M88	Z	-.687	-.687	0	%100
85	M89	X	0	0	0	%100
86	M89	Z	-.942	-.942	0	%100
87	M90	X	0	0	0	%100
88	M90	Z	-.195	-.195	0	%100
89	M91	X	0	0	0	%100
90	M91	Z	-.195	-.195	0	%100
91	M92	X	0	0	0	%100
92	M92	Z	-.942	-.942	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	.48	.48	0	%100
2	CBC1	Z	-.831	-.831	0	%100
3	CBB1	X	0	0	0	%100
4	CBB1	Z	0	0	0	%100
5	CBA1	X	.48	.48	0	%100
6	CBA1	Z	-.831	-.831	0	%100
7	M7	X	.48	.48	0	%100
8	M7	Z	-.831	-.831	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	.48	.48	0	%100
12	M9	Z	-.831	-.831	0	%100
13	M10	X	.136	.136	0	%100
14	M10	Z	-.236	-.236	0	%100
15	M23	X	.546	.546	0	%100
16	M23	Z	-.945	-.945	0	%100
17	M24	X	.136	.136	0	%100
18	M24	Z	-.236	-.236	0	%100
19	MP1A	X	.304	.304	0	%100
20	MP1A	Z	-.526	-.526	0	%100
21	MP2A	X	.304	.304	0	%100
22	MP2A	Z	-.526	-.526	0	%100
23	MP4A	X	.304	.304	0	%100
24	MP4A	Z	-.526	-.526	0	%100
25	M28A	X	.12	.12	0	%100
26	M28A	Z	-.207	-.207	0	%100
27	M29A	X	.091	.091	0	%100
28	M29A	Z	-.157	-.157	0	%100
29	M30A	X	.12	.12	0	%100
30	M30A	Z	-.207	-.207	0	%100
31	M32	X	.478	.478	0	%100
32	M32	Z	-.829	-.829	0	%100
33	MP3A	X	.304	.304	0	%100
34	MP3A	Z	-.526	-.526	0	%100
35	MP1C	X	.304	.304	0	%100
36	MP1C	Z	-.526	-.526	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP2C	X	.304	.304	0	%100
38	MP2C	Z	-.526	-.526	0	%100
39	MP4C	X	.304	.304	0	%100
40	MP4C	Z	-.526	-.526	0	%100
41	MP3C	X	.304	.304	0	%100
42	MP3C	Z	-.526	-.526	0	%100
43	MP1B	X	.304	.304	0	%100
44	MP1B	Z	-.526	-.526	0	%100
45	MP2B	X	.304	.304	0	%100
46	MP2B	Z	-.526	-.526	0	%100
47	MP4B	X	.304	.304	0	%100
48	MP4B	Z	-.526	-.526	0	%100
49	MP3B	X	.304	.304	0	%100
50	MP3B	Z	-.526	-.526	0	%100
51	M38A	X	.363	.363	0	%100
52	M38A	Z	-.628	-.628	0	%100
53	M39A	X	.091	.091	0	%100
54	M39A	Z	-.157	-.157	0	%100
55	MPSO	X	.22	.22	0	%100
56	MPSO	Z	-.381	-.381	0	%100
57	M44	X	.276	.276	0	%100
58	M44	Z	-.478	-.478	0	%100
59	M70A	X	.276	.276	0	%100
60	M70A	Z	-.478	-.478	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	0	0	0	%100
63	M74	X	.624	.624	0	%100
64	M74	Z	-1.081	-1.081	0	%100
65	M75	X	.624	.624	0	%100
66	M75	Z	-1.081	-1.081	0	%100
67	M78	X	.624	.624	0	%100
68	M78	Z	-1.081	-1.081	0	%100
69	M79	X	.624	.624	0	%100
70	M79	Z	-1.081	-1.081	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	.355	.355	0	%100
76	M84	Z	-.615	-.615	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	0	0	0	%100
79	M86	X	.355	.355	0	%100
80	M86	Z	-.615	-.615	0	%100
81	M87	X	.137	.137	0	%100
82	M87	Z	-.237	-.237	0	%100
83	M88	X	.511	.511	0	%100
84	M88	Z	-.884	-.884	0	%100
85	M89	X	.511	.511	0	%100
86	M89	Z	-.884	-.884	0	%100
87	M90	X	.137	.137	0	%100
88	M90	Z	-.237	-.237	0	%100
89	M91	X	.264	.264	0	%100
90	M91	Z	-.458	-.458	0	%100
91	M92	X	.264	.264	0	%100
92	M92	Z	-.458	-.458	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	1.108	1.108	0	%100
2	CBC1	Z	-.64	-.64	0	%100
3	CBB1	X	.277	.277	0	%100
4	CBB1	Z	-.16	-.16	0	%100
5	CBA1	X	.277	.277	0	%100
6	CBA1	Z	-.16	-.16	0	%100
7	M7	X	1.108	1.108	0	%100
8	M7	Z	-.64	-.64	0	%100
9	M8	X	.277	.277	0	%100
10	M8	Z	-.16	-.16	0	%100
11	M9	X	.277	.277	0	%100
12	M9	Z	-.16	-.16	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M23	X	.709	.709	0	%100
16	M23	Z	-.409	-.409	0	%100
17	M24	X	.709	.709	0	%100
18	M24	Z	-.409	-.409	0	%100
19	MP1A	X	.526	.526	0	%100
20	MP1A	Z	-.304	-.304	0	%100
21	MP2A	X	.526	.526	0	%100
22	MP2A	Z	-.304	-.304	0	%100
23	MP4A	X	.526	.526	0	%100
24	MP4A	Z	-.304	-.304	0	%100
25	M28A	X	.621	.621	0	%100
26	M28A	Z	-.359	-.359	0	%100
27	M29A	X	.471	.471	0	%100
28	M29A	Z	-.272	-.272	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Z	0	0	0	%100
31	M32	X	.621	.621	0	%100
32	M32	Z	-.359	-.359	0	%100
33	MP3A	X	.526	.526	0	%100
34	MP3A	Z	-.304	-.304	0	%100
35	MP1C	X	.526	.526	0	%100
36	MP1C	Z	-.304	-.304	0	%100
37	MP2C	X	.526	.526	0	%100
38	MP2C	Z	-.304	-.304	0	%100
39	MP4C	X	.526	.526	0	%100
40	MP4C	Z	-.304	-.304	0	%100
41	MP3C	X	.526	.526	0	%100
42	MP3C	Z	-.304	-.304	0	%100
43	MP1B	X	.526	.526	0	%100
44	MP1B	Z	-.304	-.304	0	%100
45	MP2B	X	.526	.526	0	%100
46	MP2B	Z	-.304	-.304	0	%100
47	MP4B	X	.526	.526	0	%100
48	MP4B	Z	-.304	-.304	0	%100
49	MP3B	X	.526	.526	0	%100
50	MP3B	Z	-.304	-.304	0	%100
51	M38A	X	.471	.471	0	%100
52	M38A	Z	-.272	-.272	0	%100
53	M39A	X	0	0	0	%100
54	M39A	Z	0	0	0	%100
55	MPSO	X	.381	.381	0	%100
56	MPSO	Z	-.22	-.22	0	%100
57	M44	X	.159	.159	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M44	Z	-.092	-.092	0	%100
59	M70A	X	.637	.637	0	%100
60	M70A	Z	-.368	-.368	0	%100
61	M71A	X	.159	.159	0	%100
62	M71A	Z	-.092	-.092	0	%100
63	M74	X	.36	.36	0	%100
64	M74	Z	-.208	-.208	0	%100
65	M75	X	.36	.36	0	%100
66	M75	Z	-.208	-.208	0	%100
67	M78	X	1.441	1.441	0	%100
68	M78	Z	-.832	-.832	0	%100
69	M79	X	1.441	1.441	0	%100
70	M79	Z	-.832	-.832	0	%100
71	M82	X	.36	.36	0	%100
72	M82	Z	-.208	-.208	0	%100
73	M83	X	.36	.36	0	%100
74	M83	Z	-.208	-.208	0	%100
75	M84	X	.821	.821	0	%100
76	M84	Z	-.474	-.474	0	%100
77	M85	X	.205	.205	0	%100
78	M85	Z	-.118	-.118	0	%100
79	M86	X	.205	.205	0	%100
80	M86	Z	-.118	-.118	0	%100
81	M87	X	.168	.168	0	%100
82	M87	Z	-.097	-.097	0	%100
83	M88	X	.816	.816	0	%100
84	M88	Z	-.471	-.471	0	%100
85	M89	X	.595	.595	0	%100
86	M89	Z	-.343	-.343	0	%100
87	M90	X	.595	.595	0	%100
88	M90	Z	-.343	-.343	0	%100
89	M91	X	.816	.816	0	%100
90	M91	Z	-.471	-.471	0	%100
91	M92	X	.168	.168	0	%100
92	M92	Z	-.097	-.097	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	.96	.96	0	%100
2	CBC1	Z	0	0	0	%100
3	CBB1	X	.96	.96	0	%100
4	CBB1	Z	0	0	0	%100
5	CBA1	X	0	0	0	%100
6	CBA1	Z	0	0	0	%100
7	M7	X	.96	.96	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	.96	.96	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	.273	.273	0	%100
14	M10	Z	0	0	0	%100
15	M23	X	.273	.273	0	%100
16	M23	Z	0	0	0	%100
17	M24	X	1.091	1.091	0	%100
18	M24	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP1A	X	.608	.608	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	.608	.608	0	%100
22	MP2A	Z	0	0	0	%100
23	MP4A	X	.608	.608	0	%100
24	MP4A	Z	0	0	0	%100
25	M28A	X	.957	.957	0	%100
26	M28A	Z	0	0	0	%100
27	M29A	X	.725	.725	0	%100
28	M29A	Z	0	0	0	%100
29	M30A	X	.239	.239	0	%100
30	M30A	Z	0	0	0	%100
31	M32	X	.239	.239	0	%100
32	M32	Z	0	0	0	%100
33	MP3A	X	.608	.608	0	%100
34	MP3A	Z	0	0	0	%100
35	MP1C	X	.608	.608	0	%100
36	MP1C	Z	0	0	0	%100
37	MP2C	X	.608	.608	0	%100
38	MP2C	Z	0	0	0	%100
39	MP4C	X	.608	.608	0	%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	.608	.608	0	%100
42	MP3C	Z	0	0	0	%100
43	MP1B	X	.608	.608	0	%100
44	MP1B	Z	0	0	0	%100
45	MP2B	X	.608	.608	0	%100
46	MP2B	Z	0	0	0	%100
47	MP4B	X	.608	.608	0	%100
48	MP4B	Z	0	0	0	%100
49	MP3B	X	.608	.608	0	%100
50	MP3B	Z	0	0	0	%100
51	M38A	X	.181	.181	0	%100
52	M38A	Z	0	0	0	%100
53	M39A	X	.181	.181	0	%100
54	M39A	Z	0	0	0	%100
55	MPSO	X	.44	.44	0	%100
56	MPSO	Z	0	0	0	%100
57	M44	X	0	0	0	%100
58	M44	Z	0	0	0	%100
59	M70A	X	.552	.552	0	%100
60	M70A	Z	0	0	0	%100
61	M71A	X	.552	.552	0	%100
62	M71A	Z	0	0	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	0	0	0	%100
67	M78	X	1.248	1.248	0	%100
68	M78	Z	0	0	0	%100
69	M79	X	1.248	1.248	0	%100
70	M79	Z	0	0	0	%100
71	M82	X	1.248	1.248	0	%100
72	M82	Z	0	0	0	%100
73	M83	X	1.248	1.248	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	.711	.711	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	M84	Z	0	0	0	%100
77	M85	X	.711	.711	0	%100
78	M85	Z	0	0	0	%100
79	M86	X	0	0	0	%100
80	M86	Z	0	0	0	%100
81	M87	X	.529	.529	0	%100
82	M87	Z	0	0	0	%100
83	M88	X	.529	.529	0	%100
84	M88	Z	0	0	0	%100
85	M89	X	.274	.274	0	%100
86	M89	Z	0	0	0	%100
87	M90	X	1.021	1.021	0	%100
88	M90	Z	0	0	0	%100
89	M91	X	1.021	1.021	0	%100
90	M91	Z	0	0	0	%100
91	M92	X	.274	.274	0	%100
92	M92	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	.277	.277	0	%100
2	CBC1	Z	.16	.16	0	%100
3	CBB1	X	1.108	1.108	0	%100
4	CBB1	Z	.64	.64	0	%100
5	CBA1	X	.277	.277	0	%100
6	CBA1	Z	.16	.16	0	%100
7	M7	X	.277	.277	0	%100
8	M7	Z	.16	.16	0	%100
9	M8	X	1.108	1.108	0	%100
10	M8	Z	.64	.64	0	%100
11	M9	X	.277	.277	0	%100
12	M9	Z	.16	.16	0	%100
13	M10	X	.709	.709	0	%100
14	M10	Z	.409	.409	0	%100
15	M23	X	0	0	0	%100
16	M23	Z	0	0	0	%100
17	M24	X	.709	.709	0	%100
18	M24	Z	.409	.409	0	%100
19	MP1A	X	.526	.526	0	%100
20	MP1A	Z	.304	.304	0	%100
21	MP2A	X	.526	.526	0	%100
22	MP2A	Z	.304	.304	0	%100
23	MP4A	X	.526	.526	0	%100
24	MP4A	Z	.304	.304	0	%100
25	M28A	X	.621	.621	0	%100
26	M28A	Z	.359	.359	0	%100
27	M29A	X	.471	.471	0	%100
28	M29A	Z	.272	.272	0	%100
29	M30A	X	.621	.621	0	%100
30	M30A	Z	.359	.359	0	%100
31	M32	X	0	0	0	%100
32	M32	Z	0	0	0	%100
33	MP3A	X	.526	.526	0	%100
34	MP3A	Z	.304	.304	0	%100
35	MP1C	X	.526	.526	0	%100
36	MP1C	Z	.304	.304	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP2C	X	.526	.526	0	%100
38	MP2C	Z	.304	.304	0	%100
39	MP4C	X	.526	.526	0	%100
40	MP4C	Z	.304	.304	0	%100
41	MP3C	X	.526	.526	0	%100
42	MP3C	Z	.304	.304	0	%100
43	MP1B	X	.526	.526	0	%100
44	MP1B	Z	.304	.304	0	%100
45	MP2B	X	.526	.526	0	%100
46	MP2B	Z	.304	.304	0	%100
47	MP4B	X	.526	.526	0	%100
48	MP4B	Z	.304	.304	0	%100
49	MP3B	X	.526	.526	0	%100
50	MP3B	Z	.304	.304	0	%100
51	M38A	X	0	0	0	%100
52	M38A	Z	0	0	0	%100
53	M39A	X	.471	.471	0	%100
54	M39A	Z	.272	.272	0	%100
55	MPSO	X	.381	.381	0	%100
56	MPSO	Z	.22	.22	0	%100
57	M44	X	.159	.159	0	%100
58	M44	Z	.092	.092	0	%100
59	M70A	X	.159	.159	0	%100
60	M70A	Z	.092	.092	0	%100
61	M71A	X	.637	.637	0	%100
62	M71A	Z	.368	.368	0	%100
63	M74	X	.36	.36	0	%100
64	M74	Z	.208	.208	0	%100
65	M75	X	.36	.36	0	%100
66	M75	Z	.208	.208	0	%100
67	M78	X	.36	.36	0	%100
68	M78	Z	.208	.208	0	%100
69	M79	X	.36	.36	0	%100
70	M79	Z	.208	.208	0	%100
71	M82	X	1.441	1.441	0	%100
72	M82	Z	.832	.832	0	%100
73	M83	X	1.441	1.441	0	%100
74	M83	Z	.832	.832	0	%100
75	M84	X	.205	.205	0	%100
76	M84	Z	.118	.118	0	%100
77	M85	X	.821	.821	0	%100
78	M85	Z	.474	.474	0	%100
79	M86	X	.205	.205	0	%100
80	M86	Z	.118	.118	0	%100
81	M87	X	.816	.816	0	%100
82	M87	Z	.471	.471	0	%100
83	M88	X	.168	.168	0	%100
84	M88	Z	.097	.097	0	%100
85	M89	X	.168	.168	0	%100
86	M89	Z	.097	.097	0	%100
87	M90	X	.816	.816	0	%100
88	M90	Z	.471	.471	0	%100
89	M91	X	.595	.595	0	%100
90	M91	Z	.343	.343	0	%100
91	M92	X	.595	.595	0	%100
92	M92	Z	.343	.343	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	0	0	0	%100
2	CBC1	Z	0	0	0	%100
3	CBB1	X	.48	.48	0	%100
4	CBB1	Z	.831	.831	0	%100
5	CBA1	X	.48	.48	0	%100
6	CBA1	Z	.831	.831	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	.48	.48	0	%100
10	M8	Z	.831	.831	0	%100
11	M9	X	.48	.48	0	%100
12	M9	Z	.831	.831	0	%100
13	M10	X	.546	.546	0	%100
14	M10	Z	.945	.945	0	%100
15	M23	X	.136	.136	0	%100
16	M23	Z	.236	.236	0	%100
17	M24	X	.136	.136	0	%100
18	M24	Z	.236	.236	0	%100
19	MP1A	X	.304	.304	0	%100
20	MP1A	Z	.526	.526	0	%100
21	MP2A	X	.304	.304	0	%100
22	MP2A	Z	.526	.526	0	%100
23	MP4A	X	.304	.304	0	%100
24	MP4A	Z	.526	.526	0	%100
25	M28A	X	.12	.12	0	%100
26	M28A	Z	.207	.207	0	%100
27	M29A	X	.091	.091	0	%100
28	M29A	Z	.157	.157	0	%100
29	M30A	X	.478	.478	0	%100
30	M30A	Z	.829	.829	0	%100
31	M32	X	.12	.12	0	%100
32	M32	Z	.207	.207	0	%100
33	MP3A	X	.304	.304	0	%100
34	MP3A	Z	.526	.526	0	%100
35	MP1C	X	.304	.304	0	%100
36	MP1C	Z	.526	.526	0	%100
37	MP2C	X	.304	.304	0	%100
38	MP2C	Z	.526	.526	0	%100
39	MP4C	X	.304	.304	0	%100
40	MP4C	Z	.526	.526	0	%100
41	MP3C	X	.304	.304	0	%100
42	MP3C	Z	.526	.526	0	%100
43	MP1B	X	.304	.304	0	%100
44	MP1B	Z	.526	.526	0	%100
45	MP2B	X	.304	.304	0	%100
46	MP2B	Z	.526	.526	0	%100
47	MP4B	X	.304	.304	0	%100
48	MP4B	Z	.526	.526	0	%100
49	MP3B	X	.304	.304	0	%100
50	MP3B	Z	.526	.526	0	%100
51	M38A	X	.091	.091	0	%100
52	M38A	Z	.157	.157	0	%100
53	M39A	X	.363	.363	0	%100
54	M39A	Z	.628	.628	0	%100
55	MPSO	X	.22	.22	0	%100
56	MPSO	Z	.381	.381	0	%100
57	M44	X	.276	.276	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M44	Z	.478	.478	0	%100
59	M70A	X	0	0	0	%100
60	M70A	Z	0	0	0	%100
61	M71A	X	.276	.276	0	%100
62	M71A	Z	.478	.478	0	%100
63	M74	X	.624	.624	0	%100
64	M74	Z	1.081	1.081	0	%100
65	M75	X	.624	.624	0	%100
66	M75	Z	1.081	1.081	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	0	0	0	%100
69	M79	X	0	0	0	%100
70	M79	Z	0	0	0	%100
71	M82	X	.624	.624	0	%100
72	M82	Z	1.081	1.081	0	%100
73	M83	X	.624	.624	0	%100
74	M83	Z	1.081	1.081	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	.355	.355	0	%100
78	M85	Z	.615	.615	0	%100
79	M86	X	.355	.355	0	%100
80	M86	Z	.615	.615	0	%100
81	M87	X	.511	.511	0	%100
82	M87	Z	.884	.884	0	%100
83	M88	X	.137	.137	0	%100
84	M88	Z	.237	.237	0	%100
85	M89	X	.264	.264	0	%100
86	M89	Z	.458	.458	0	%100
87	M90	X	.264	.264	0	%100
88	M90	Z	.458	.458	0	%100
89	M91	X	.137	.137	0	%100
90	M91	Z	.237	.237	0	%100
91	M92	X	.511	.511	0	%100
92	M92	Z	.884	.884	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	0	0	0	%100
2	CBC1	Z	.32	.32	0	%100
3	CBB1	X	0	0	0	%100
4	CBB1	Z	.32	.32	0	%100
5	CBA1	X	0	0	0	%100
6	CBA1	Z	1.28	1.28	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	.32	.32	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	.32	.32	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	1.28	1.28	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	.818	.818	0	%100
15	M23	X	0	0	0	%100
16	M23	Z	.818	.818	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	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,F...	Start Location[ft,%]	End Location[ft,%]
19	MP1A	X	0	0	0	%100
20	MP1A	Z	.608	.608	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	.608	.608	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	.608	.608	0	%100
25	M28A	X	0	0	0	%100
26	M28A	Z	0	0	0	%100
27	M29A	X	0	0	0	%100
28	M29A	Z	0	0	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Z	.718	.718	0	%100
31	M32	X	0	0	0	%100
32	M32	Z	.718	.718	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	.608	.608	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	.608	.608	0	%100
37	MP2C	X	0	0	0	%100
38	MP2C	Z	.608	.608	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	.608	.608	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	.608	.608	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	.608	.608	0	%100
45	MP2B	X	0	0	0	%100
46	MP2B	Z	.608	.608	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	.608	.608	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	.608	.608	0	%100
51	M38A	X	0	0	0	%100
52	M38A	Z	.544	.544	0	%100
53	M39A	X	0	0	0	%100
54	M39A	Z	.544	.544	0	%100
55	MPSO	X	0	0	0	%100
56	MPSO	Z	.44	.44	0	%100
57	M44	X	0	0	0	%100
58	M44	Z	.736	.736	0	%100
59	M70A	X	0	0	0	%100
60	M70A	Z	.184	.184	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	.184	.184	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	1.664	1.664	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	1.664	1.664	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	.416	.416	0	%100
69	M79	X	0	0	0	%100
70	M79	Z	.416	.416	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	.416	.416	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	.416	.416	0	%100
75	M84	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,F...	Start Location[ft,%]	End Location[ft,%]
76	M84	Z	.237	.237	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	.237	.237	0	%100
79	M86	X	0	0	0	%100
80	M86	Z	.947	.947	0	%100
81	M87	X	0	0	0	%100
82	M87	Z	.687	.687	0	%100
83	M88	X	0	0	0	%100
84	M88	Z	.687	.687	0	%100
85	M89	X	0	0	0	%100
86	M89	Z	.942	.942	0	%100
87	M90	X	0	0	0	%100
88	M90	Z	.195	.195	0	%100
89	M91	X	0	0	0	%100
90	M91	Z	.195	.195	0	%100
91	M92	X	0	0	0	%100
92	M92	Z	.942	.942	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	-.48	-.48	0	%100
2	CBC1	Z	.831	.831	0	%100
3	CBB1	X	0	0	0	%100
4	CBB1	Z	0	0	0	%100
5	CBA1	X	-.48	-.48	0	%100
6	CBA1	Z	.831	.831	0	%100
7	M7	X	-.48	-.48	0	%100
8	M7	Z	.831	.831	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	-.48	-.48	0	%100
12	M9	Z	.831	.831	0	%100
13	M10	X	-.136	-.136	0	%100
14	M10	Z	.236	.236	0	%100
15	M23	X	-.546	-.546	0	%100
16	M23	Z	.945	.945	0	%100
17	M24	X	-.136	-.136	0	%100
18	M24	Z	.236	.236	0	%100
19	MP1A	X	-.304	-.304	0	%100
20	MP1A	Z	.526	.526	0	%100
21	MP2A	X	-.304	-.304	0	%100
22	MP2A	Z	.526	.526	0	%100
23	MP4A	X	-.304	-.304	0	%100
24	MP4A	Z	.526	.526	0	%100
25	M28A	X	-.12	-.12	0	%100
26	M28A	Z	.207	.207	0	%100
27	M29A	X	-.091	-.091	0	%100
28	M29A	Z	.157	.157	0	%100
29	M30A	X	-.12	-.12	0	%100
30	M30A	Z	.207	.207	0	%100
31	M32	X	-.478	-.478	0	%100
32	M32	Z	.829	.829	0	%100
33	MP3A	X	-.304	-.304	0	%100
34	MP3A	Z	.526	.526	0	%100
35	MP1C	X	-.304	-.304	0	%100
36	MP1C	Z	.526	.526	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP2C	X	-.304	-.304	0	%100
38	MP2C	Z	.526	.526	0	%100
39	MP4C	X	-.304	-.304	0	%100
40	MP4C	Z	.526	.526	0	%100
41	MP3C	X	-.304	-.304	0	%100
42	MP3C	Z	.526	.526	0	%100
43	MP1B	X	-.304	-.304	0	%100
44	MP1B	Z	.526	.526	0	%100
45	MP2B	X	-.304	-.304	0	%100
46	MP2B	Z	.526	.526	0	%100
47	MP4B	X	-.304	-.304	0	%100
48	MP4B	Z	.526	.526	0	%100
49	MP3B	X	-.304	-.304	0	%100
50	MP3B	Z	.526	.526	0	%100
51	M38A	X	-.363	-.363	0	%100
52	M38A	Z	.628	.628	0	%100
53	M39A	X	-.091	-.091	0	%100
54	M39A	Z	.157	.157	0	%100
55	MPSO	X	-.22	-.22	0	%100
56	MPSO	Z	.381	.381	0	%100
57	M44	X	-.276	-.276	0	%100
58	M44	Z	.478	.478	0	%100
59	M70A	X	-.276	-.276	0	%100
60	M70A	Z	.478	.478	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	0	0	0	%100
63	M74	X	-.624	-.624	0	%100
64	M74	Z	1.081	1.081	0	%100
65	M75	X	-.624	-.624	0	%100
66	M75	Z	1.081	1.081	0	%100
67	M78	X	-.624	-.624	0	%100
68	M78	Z	1.081	1.081	0	%100
69	M79	X	-.624	-.624	0	%100
70	M79	Z	1.081	1.081	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83	X	0	0	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	-.355	-.355	0	%100
76	M84	Z	.615	.615	0	%100
77	M85	X	0	0	0	%100
78	M85	Z	0	0	0	%100
79	M86	X	-.355	-.355	0	%100
80	M86	Z	.615	.615	0	%100
81	M87	X	-.137	-.137	0	%100
82	M87	Z	.237	.237	0	%100
83	M88	X	-.511	-.511	0	%100
84	M88	Z	.884	.884	0	%100
85	M89	X	-.511	-.511	0	%100
86	M89	Z	.884	.884	0	%100
87	M90	X	-.137	-.137	0	%100
88	M90	Z	.237	.237	0	%100
89	M91	X	-.264	-.264	0	%100
90	M91	Z	.458	.458	0	%100
91	M92	X	-.264	-.264	0	%100
92	M92	Z	.458	.458	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	-1.108	-1.108	0	%100
2	CBC1	Z	.64	.64	0	%100
3	CBB1	X	-.277	-.277	0	%100
4	CBB1	Z	.16	.16	0	%100
5	CBA1	X	-.277	-.277	0	%100
6	CBA1	Z	.16	.16	0	%100
7	M7	X	-1.108	-1.108	0	%100
8	M7	Z	.64	.64	0	%100
9	M8	X	-.277	-.277	0	%100
10	M8	Z	.16	.16	0	%100
11	M9	X	-.277	-.277	0	%100
12	M9	Z	.16	.16	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M23	X	-.709	-.709	0	%100
16	M23	Z	.409	.409	0	%100
17	M24	X	-.709	-.709	0	%100
18	M24	Z	.409	.409	0	%100
19	MP1A	X	-.526	-.526	0	%100
20	MP1A	Z	.304	.304	0	%100
21	MP2A	X	-.526	-.526	0	%100
22	MP2A	Z	.304	.304	0	%100
23	MP4A	X	-.526	-.526	0	%100
24	MP4A	Z	.304	.304	0	%100
25	M28A	X	-.621	-.621	0	%100
26	M28A	Z	.359	.359	0	%100
27	M29A	X	-.471	-.471	0	%100
28	M29A	Z	.272	.272	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Z	0	0	0	%100
31	M32	X	-.621	-.621	0	%100
32	M32	Z	.359	.359	0	%100
33	MP3A	X	-.526	-.526	0	%100
34	MP3A	Z	.304	.304	0	%100
35	MP1C	X	-.526	-.526	0	%100
36	MP1C	Z	.304	.304	0	%100
37	MP2C	X	-.526	-.526	0	%100
38	MP2C	Z	.304	.304	0	%100
39	MP4C	X	-.526	-.526	0	%100
40	MP4C	Z	.304	.304	0	%100
41	MP3C	X	-.526	-.526	0	%100
42	MP3C	Z	.304	.304	0	%100
43	MP1B	X	-.526	-.526	0	%100
44	MP1B	Z	.304	.304	0	%100
45	MP2B	X	-.526	-.526	0	%100
46	MP2B	Z	.304	.304	0	%100
47	MP4B	X	-.526	-.526	0	%100
48	MP4B	Z	.304	.304	0	%100
49	MP3B	X	-.526	-.526	0	%100
50	MP3B	Z	.304	.304	0	%100
51	M38A	X	-.471	-.471	0	%100
52	M38A	Z	.272	.272	0	%100
53	M39A	X	0	0	0	%100
54	M39A	Z	0	0	0	%100
55	MPSO	X	-.381	-.381	0	%100
56	MPSO	Z	.22	.22	0	%100
57	M44	X	-.159	-.159	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M44	Z	.092	.092	0	%100
59	M70A	X	-.637	-.637	0	%100
60	M70A	Z	.368	.368	0	%100
61	M71A	X	-.159	-.159	0	%100
62	M71A	Z	.092	.092	0	%100
63	M74	X	-.36	-.36	0	%100
64	M74	Z	.208	.208	0	%100
65	M75	X	-.36	-.36	0	%100
66	M75	Z	.208	.208	0	%100
67	M78	X	-1.441	-1.441	0	%100
68	M78	Z	.832	.832	0	%100
69	M79	X	-1.441	-1.441	0	%100
70	M79	Z	.832	.832	0	%100
71	M82	X	-.36	-.36	0	%100
72	M82	Z	.208	.208	0	%100
73	M83	X	-.36	-.36	0	%100
74	M83	Z	.208	.208	0	%100
75	M84	X	-.821	-.821	0	%100
76	M84	Z	.474	.474	0	%100
77	M85	X	-.205	-.205	0	%100
78	M85	Z	.118	.118	0	%100
79	M86	X	-.205	-.205	0	%100
80	M86	Z	.118	.118	0	%100
81	M87	X	-.168	-.168	0	%100
82	M87	Z	.097	.097	0	%100
83	M88	X	-.816	-.816	0	%100
84	M88	Z	.471	.471	0	%100
85	M89	X	-.595	-.595	0	%100
86	M89	Z	.343	.343	0	%100
87	M90	X	-.595	-.595	0	%100
88	M90	Z	.343	.343	0	%100
89	M91	X	-.816	-.816	0	%100
90	M91	Z	.471	.471	0	%100
91	M92	X	-.168	-.168	0	%100
92	M92	Z	.097	.097	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	-.96	-.96	0	%100
2	CBC1	Z	0	0	0	%100
3	CBB1	X	-.96	-.96	0	%100
4	CBB1	Z	0	0	0	%100
5	CBA1	X	0	0	0	%100
6	CBA1	Z	0	0	0	%100
7	M7	X	-.96	-.96	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	-.96	-.96	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	-.273	-.273	0	%100
14	M10	Z	0	0	0	%100
15	M23	X	-.273	-.273	0	%100
16	M23	Z	0	0	0	%100
17	M24	X	-1.091	-1.091	0	%100
18	M24	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP1A	X	-.608	-.608	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	-.608	-.608	0	%100
22	MP2A	Z	0	0	0	%100
23	MP4A	X	-.608	-.608	0	%100
24	MP4A	Z	0	0	0	%100
25	M28A	X	-.957	-.957	0	%100
26	M28A	Z	0	0	0	%100
27	M29A	X	-.725	-.725	0	%100
28	M29A	Z	0	0	0	%100
29	M30A	X	-.239	-.239	0	%100
30	M30A	Z	0	0	0	%100
31	M32	X	-.239	-.239	0	%100
32	M32	Z	0	0	0	%100
33	MP3A	X	-.608	-.608	0	%100
34	MP3A	Z	0	0	0	%100
35	MP1C	X	-.608	-.608	0	%100
36	MP1C	Z	0	0	0	%100
37	MP2C	X	-.608	-.608	0	%100
38	MP2C	Z	0	0	0	%100
39	MP4C	X	-.608	-.608	0	%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	-.608	-.608	0	%100
42	MP3C	Z	0	0	0	%100
43	MP1B	X	-.608	-.608	0	%100
44	MP1B	Z	0	0	0	%100
45	MP2B	X	-.608	-.608	0	%100
46	MP2B	Z	0	0	0	%100
47	MP4B	X	-.608	-.608	0	%100
48	MP4B	Z	0	0	0	%100
49	MP3B	X	-.608	-.608	0	%100
50	MP3B	Z	0	0	0	%100
51	M38A	X	-.181	-.181	0	%100
52	M38A	Z	0	0	0	%100
53	M39A	X	-.181	-.181	0	%100
54	M39A	Z	0	0	0	%100
55	MPSO	X	-.44	-.44	0	%100
56	MPSO	Z	0	0	0	%100
57	M44	X	0	0	0	%100
58	M44	Z	0	0	0	%100
59	M70A	X	-.552	-.552	0	%100
60	M70A	Z	0	0	0	%100
61	M71A	X	-.552	-.552	0	%100
62	M71A	Z	0	0	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	0	0	0	%100
67	M78	X	-1.248	-1.248	0	%100
68	M78	Z	0	0	0	%100
69	M79	X	-1.248	-1.248	0	%100
70	M79	Z	0	0	0	%100
71	M82	X	-1.248	-1.248	0	%100
72	M82	Z	0	0	0	%100
73	M83	X	-1.248	-1.248	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	-.711	-.711	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	M84	Z	0	0	0	%100
77	M85	X	-.711	-.711	0	%100
78	M85	Z	0	0	0	%100
79	M86	X	0	0	0	%100
80	M86	Z	0	0	0	%100
81	M87	X	-.529	-.529	0	%100
82	M87	Z	0	0	0	%100
83	M88	X	-.529	-.529	0	%100
84	M88	Z	0	0	0	%100
85	M89	X	-.274	-.274	0	%100
86	M89	Z	0	0	0	%100
87	M90	X	-1.021	-1.021	0	%100
88	M90	Z	0	0	0	%100
89	M91	X	-1.021	-1.021	0	%100
90	M91	Z	0	0	0	%100
91	M92	X	-.274	-.274	0	%100
92	M92	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	-.277	-.277	0	%100
2	CBC1	Z	-.16	-.16	0	%100
3	CBB1	X	-1.108	-1.108	0	%100
4	CBB1	Z	-.64	-.64	0	%100
5	CBA1	X	-.277	-.277	0	%100
6	CBA1	Z	-.16	-.16	0	%100
7	M7	X	-.277	-.277	0	%100
8	M7	Z	-.16	-.16	0	%100
9	M8	X	-1.108	-1.108	0	%100
10	M8	Z	-.64	-.64	0	%100
11	M9	X	-.277	-.277	0	%100
12	M9	Z	-.16	-.16	0	%100
13	M10	X	-.709	-.709	0	%100
14	M10	Z	-.409	-.409	0	%100
15	M23	X	0	0	0	%100
16	M23	Z	0	0	0	%100
17	M24	X	-.709	-.709	0	%100
18	M24	Z	-.409	-.409	0	%100
19	MP1A	X	-.526	-.526	0	%100
20	MP1A	Z	-.304	-.304	0	%100
21	MP2A	X	-.526	-.526	0	%100
22	MP2A	Z	-.304	-.304	0	%100
23	MP4A	X	-.526	-.526	0	%100
24	MP4A	Z	-.304	-.304	0	%100
25	M28A	X	-.621	-.621	0	%100
26	M28A	Z	-.359	-.359	0	%100
27	M29A	X	-.471	-.471	0	%100
28	M29A	Z	-.272	-.272	0	%100
29	M30A	X	-.621	-.621	0	%100
30	M30A	Z	-.359	-.359	0	%100
31	M32	X	0	0	0	%100
32	M32	Z	0	0	0	%100
33	MP3A	X	-.526	-.526	0	%100
34	MP3A	Z	-.304	-.304	0	%100
35	MP1C	X	-.526	-.526	0	%100
36	MP1C	Z	-.304	-.304	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP2C	X	-.526	-.526	0	%100
38	MP2C	Z	-.304	-.304	0	%100
39	MP4C	X	-.526	-.526	0	%100
40	MP4C	Z	-.304	-.304	0	%100
41	MP3C	X	-.526	-.526	0	%100
42	MP3C	Z	-.304	-.304	0	%100
43	MP1B	X	-.526	-.526	0	%100
44	MP1B	Z	-.304	-.304	0	%100
45	MP2B	X	-.526	-.526	0	%100
46	MP2B	Z	-.304	-.304	0	%100
47	MP4B	X	-.526	-.526	0	%100
48	MP4B	Z	-.304	-.304	0	%100
49	MP3B	X	-.526	-.526	0	%100
50	MP3B	Z	-.304	-.304	0	%100
51	M38A	X	0	0	0	%100
52	M38A	Z	0	0	0	%100
53	M39A	X	-.471	-.471	0	%100
54	M39A	Z	-.272	-.272	0	%100
55	MPSO	X	-.381	-.381	0	%100
56	MPSO	Z	-.22	-.22	0	%100
57	M44	X	-.159	-.159	0	%100
58	M44	Z	-.092	-.092	0	%100
59	M70A	X	-.159	-.159	0	%100
60	M70A	Z	-.092	-.092	0	%100
61	M71A	X	-.637	-.637	0	%100
62	M71A	Z	-.368	-.368	0	%100
63	M74	X	-.36	-.36	0	%100
64	M74	Z	-.208	-.208	0	%100
65	M75	X	-.36	-.36	0	%100
66	M75	Z	-.208	-.208	0	%100
67	M78	X	-.36	-.36	0	%100
68	M78	Z	-.208	-.208	0	%100
69	M79	X	-.36	-.36	0	%100
70	M79	Z	-.208	-.208	0	%100
71	M82	X	-1.441	-1.441	0	%100
72	M82	Z	-.832	-.832	0	%100
73	M83	X	-1.441	-1.441	0	%100
74	M83	Z	-.832	-.832	0	%100
75	M84	X	-.205	-.205	0	%100
76	M84	Z	-.118	-.118	0	%100
77	M85	X	-.821	-.821	0	%100
78	M85	Z	-.474	-.474	0	%100
79	M86	X	-.205	-.205	0	%100
80	M86	Z	-.118	-.118	0	%100
81	M87	X	-.816	-.816	0	%100
82	M87	Z	-.471	-.471	0	%100
83	M88	X	-.168	-.168	0	%100
84	M88	Z	-.097	-.097	0	%100
85	M89	X	-.168	-.168	0	%100
86	M89	Z	-.097	-.097	0	%100
87	M90	X	-.816	-.816	0	%100
88	M90	Z	-.471	-.471	0	%100
89	M91	X	-.595	-.595	0	%100
90	M91	Z	-.343	-.343	0	%100
91	M92	X	-.595	-.595	0	%100
92	M92	Z	-.343	-.343	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	0	0	0	%100
2	CBC1	Z	0	0	0	%100
3	CBB1	X	-.48	-.48	0	%100
4	CBB1	Z	-.831	-.831	0	%100
5	CBA1	X	-.48	-.48	0	%100
6	CBA1	Z	-.831	-.831	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	-.48	-.48	0	%100
10	M8	Z	-.831	-.831	0	%100
11	M9	X	-.48	-.48	0	%100
12	M9	Z	-.831	-.831	0	%100
13	M10	X	-.546	-.546	0	%100
14	M10	Z	-.945	-.945	0	%100
15	M23	X	-.136	-.136	0	%100
16	M23	Z	-.236	-.236	0	%100
17	M24	X	-.136	-.136	0	%100
18	M24	Z	-.236	-.236	0	%100
19	MP1A	X	-.304	-.304	0	%100
20	MP1A	Z	-.526	-.526	0	%100
21	MP2A	X	-.304	-.304	0	%100
22	MP2A	Z	-.526	-.526	0	%100
23	MP4A	X	-.304	-.304	0	%100
24	MP4A	Z	-.526	-.526	0	%100
25	M28A	X	-.12	-.12	0	%100
26	M28A	Z	-.207	-.207	0	%100
27	M29A	X	-.091	-.091	0	%100
28	M29A	Z	-.157	-.157	0	%100
29	M30A	X	-.478	-.478	0	%100
30	M30A	Z	-.829	-.829	0	%100
31	M32	X	-.12	-.12	0	%100
32	M32	Z	-.207	-.207	0	%100
33	MP3A	X	-.304	-.304	0	%100
34	MP3A	Z	-.526	-.526	0	%100
35	MP1C	X	-.304	-.304	0	%100
36	MP1C	Z	-.526	-.526	0	%100
37	MP2C	X	-.304	-.304	0	%100
38	MP2C	Z	-.526	-.526	0	%100
39	MP4C	X	-.304	-.304	0	%100
40	MP4C	Z	-.526	-.526	0	%100
41	MP3C	X	-.304	-.304	0	%100
42	MP3C	Z	-.526	-.526	0	%100
43	MP1B	X	-.304	-.304	0	%100
44	MP1B	Z	-.526	-.526	0	%100
45	MP2B	X	-.304	-.304	0	%100
46	MP2B	Z	-.526	-.526	0	%100
47	MP4B	X	-.304	-.304	0	%100
48	MP4B	Z	-.526	-.526	0	%100
49	MP3B	X	-.304	-.304	0	%100
50	MP3B	Z	-.526	-.526	0	%100
51	M38A	X	-.091	-.091	0	%100
52	M38A	Z	-.157	-.157	0	%100
53	M39A	X	-.363	-.363	0	%100
54	M39A	Z	-.628	-.628	0	%100
55	MPSO	X	-.22	-.22	0	%100
56	MPSO	Z	-.381	-.381	0	%100
57	M44	X	-.276	-.276	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M44	Z	-.478	-.478	0	%100
59	M70A	X	0	0	0	%100
60	M70A	Z	0	0	0	%100
61	M71A	X	-.276	-.276	0	%100
62	M71A	Z	-.478	-.478	0	%100
63	M74	X	-.624	-.624	0	%100
64	M74	Z	-1.081	-1.081	0	%100
65	M75	X	-.624	-.624	0	%100
66	M75	Z	-1.081	-1.081	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	0	0	0	%100
69	M79	X	0	0	0	%100
70	M79	Z	0	0	0	%100
71	M82	X	-.624	-.624	0	%100
72	M82	Z	-1.081	-1.081	0	%100
73	M83	X	-.624	-.624	0	%100
74	M83	Z	-1.081	-1.081	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	0	0	0	%100
77	M85	X	-.355	-.355	0	%100
78	M85	Z	-.615	-.615	0	%100
79	M86	X	-.355	-.355	0	%100
80	M86	Z	-.615	-.615	0	%100
81	M87	X	-.511	-.511	0	%100
82	M87	Z	-.884	-.884	0	%100
83	M88	X	-.137	-.137	0	%100
84	M88	Z	-.237	-.237	0	%100
85	M89	X	-.264	-.264	0	%100
86	M89	Z	-.458	-.458	0	%100
87	M90	X	-.264	-.264	0	%100
88	M90	Z	-.458	-.458	0	%100
89	M91	X	-.137	-.137	0	%100
90	M91	Z	-.237	-.237	0	%100
91	M92	X	-.511	-.511	0	%100
92	M92	Z	-.884	-.884	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	Y	-.469	-3.772	0	2.333
2	CBC1	Y	-3.772	-5.343	2.333	4.667
3	CBC1	Y	-5.343	-5.263	4.667	7
4	CBC1	Y	-5.263	-5.343	7	9.333
5	CBC1	Y	-5.343	-3.772	9.333	11.667
6	CBC1	Y	-3.772	-.469	11.667	14
7	M7	Y	-3.165	-3.163	0	3.5
8	M7	Y	-3.163	-3.162	3.5	7
9	M23	Y	-7.455	-6.327	0	3.233
10	M24	Y	-7.458	-6.327	0	3.233
11	M30A	Y	-9.996	-9.996	.068	1.068
12	CBB1	Y	-.469	-3.772	0	2.333
13	CBB1	Y	-3.772	-5.343	2.333	4.667
14	CBB1	Y	-5.343	-5.263	4.667	7
15	CBB1	Y	-5.263	-5.343	7	9.333
16	CBB1	Y	-5.343	-3.772	9.333	11.667
17	CBB1	Y	-3.772	-.469	11.667	14
18	M8	Y	-3.162	-3.163	0	3.5

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M8	Y	-3.163	-3.165	3.5	7
20	M10	Y	-7.457	-6.327	0	3.233
21	M32	Y	-9.996	-9.996	.068	1.068
22	CBA1	Y	-.469	-3.772	0	2.333
23	CBA1	Y	-3.772	-5.343	2.333	4.667
24	CBA1	Y	-5.343	-5.263	4.667	7
25	CBA1	Y	-5.263	-5.343	7	9.333
26	CBA1	Y	-5.343	-3.772	9.333	11.667
27	CBA1	Y	-3.772	-.469	11.667	14
28	M9	Y	-3.162	-3.163	0	3.5
29	M9	Y	-3.163	-3.165	3.5	7
30	M28A	Y	-9.996	-9.996	.068	1.068

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	Y	-.966	-7.761	0	2.333
2	CBC1	Y	-7.761	-10.993	2.333	4.667
3	CBC1	Y	-10.993	-10.829	4.667	7
4	CBC1	Y	-10.829	-10.995	7	9.333
5	CBC1	Y	-10.995	-7.761	9.333	11.667
6	CBC1	Y	-7.761	-.965	11.667	14
7	M7	Y	-6.512	-6.509	0	3.5
8	M7	Y	-6.509	-6.507	3.5	7
9	M23	Y	-15.341	-13.019	0	3.233
10	M24	Y	-15.346	-13.019	0	3.233
11	M30A	Y	-20.569	-20.569	.068	1.068
12	CBB1	Y	-.965	-7.761	0	2.333
13	CBB1	Y	-7.761	-10.995	2.333	4.667
14	CBB1	Y	-10.995	-10.829	4.667	7
15	CBB1	Y	-10.829	-10.993	7	9.333
16	CBB1	Y	-10.993	-7.761	9.333	11.667
17	CBB1	Y	-7.761	-.966	11.667	14
18	M8	Y	-6.507	-6.509	0	3.5
19	M8	Y	-6.509	-6.512	3.5	7
20	M10	Y	-15.344	-13.019	0	3.233
21	M32	Y	-20.569	-20.569	.068	1.068
22	CBA1	Y	-.965	-7.761	0	2.333
23	CBA1	Y	-7.761	-10.995	2.333	4.667
24	CBA1	Y	-10.995	-10.829	4.667	7
25	CBA1	Y	-10.829	-10.993	7	9.333
26	CBA1	Y	-10.993	-7.761	9.333	11.667
27	CBA1	Y	-7.761	-.966	11.667	14
28	M9	Y	-6.507	-6.509	0	3.5
29	M9	Y	-6.509	-6.512	3.5	7
30	M28A	Y	-20.569	-20.569	.068	1.068

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	Y	-.011	-.091	0	2.333
2	CBC1	Y	-.091	-.128	2.333	4.667
3	CBC1	Y	-.128	-.127	4.667	7
4	CBC1	Y	-.127	-.128	7	9.333
5	CBC1	Y	-.128	-.091	9.333	11.667
6	CBC1	Y	-.091	-.011	11.667	14
7	M7	Y	-.076	-.076	0	3.5
8	M7	Y	-.076	-.076	3.5	7

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M23	Y	-.179	-.152	0	3.233
10	M24	Y	-.179	-.152	0	3.233
11	M30A	Y	-.24	-.24	.068	1.068
12	CBB1	Y	-.011	-.091	0	2.333
13	CBB1	Y	-.091	-.128	2.333	4.667
14	CBB1	Y	-.128	-.127	4.667	7
15	CBB1	Y	-.127	-.128	7	9.333
16	CBB1	Y	-.128	-.091	9.333	11.667
17	CBB1	Y	-.091	-.011	11.667	14
18	M8	Y	-.076	-.076	0	3.5
19	M8	Y	-.076	-.076	3.5	7
20	M10	Y	-.179	-.152	0	3.233
21	M32	Y	-.24	-.24	.068	1.068
22	CBA1	Y	-.011	-.091	0	2.333
23	CBA1	Y	-.091	-.128	2.333	4.667
24	CBA1	Y	-.128	-.127	4.667	7
25	CBA1	Y	-.127	-.128	7	9.333
26	CBA1	Y	-.128	-.091	9.333	11.667
27	CBA1	Y	-.091	-.011	11.667	14
28	M9	Y	-.076	-.076	0	3.5
29	M9	Y	-.076	-.076	3.5	7
30	M28A	Y	-.24	-.24	.068	1.068

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	Z	-.028	-.228	0	2.333
2	CBC1	Z	-.228	-.323	2.333	4.667
3	CBC1	Z	-.323	-.318	4.667	7
4	CBC1	Z	-.318	-.323	7	9.333
5	CBC1	Z	-.323	-.228	9.333	11.667
6	CBC1	Z	-.228	-.028	11.667	14
7	M7	Z	-.191	-.191	0	3.5
8	M7	Z	-.191	-.191	3.5	7
9	M23	Z	-.45	-.382	0	3.233
10	M24	Z	-.45	-.382	0	3.233
11	M30A	Z	-.604	-.604	.068	1.068
12	CBB1	Z	-.028	-.228	0	2.333
13	CBB1	Z	-.228	-.323	2.333	4.667
14	CBB1	Z	-.323	-.318	4.667	7
15	CBB1	Z	-.318	-.323	7	9.333
16	CBB1	Z	-.323	-.228	9.333	11.667
17	CBB1	Z	-.228	-.028	11.667	14
18	M8	Z	-.191	-.191	0	3.5
19	M8	Z	-.191	-.191	3.5	7
20	M10	Z	-.45	-.382	0	3.233
21	M32	Z	-.604	-.604	.068	1.068
22	CBA1	Z	-.028	-.228	0	2.333
23	CBA1	Z	-.228	-.323	2.333	4.667
24	CBA1	Z	-.323	-.318	4.667	7
25	CBA1	Z	-.318	-.323	7	9.333
26	CBA1	Z	-.323	-.228	9.333	11.667
27	CBA1	Z	-.228	-.028	11.667	14
28	M9	Z	-.191	-.191	0	3.5
29	M9	Z	-.191	-.191	3.5	7
30	M28A	Z	-.604	-.604	.068	1.068

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	CBC1	X	.028	.228	0	2.333
2	CBC1	X	.228	.323	2.333	4.667
3	CBC1	X	.323	.318	4.667	7
4	CBC1	X	.318	.323	7	9.333
5	CBC1	X	.323	.228	9.333	11.667
6	CBC1	X	.228	.028	11.667	14
7	M7	X	.191	.191	0	3.5
8	M7	X	.191	.191	3.5	7
9	M23	X	.45	.382	0	3.233
10	M24	X	.45	.382	0	3.233
11	M30A	X	.604	.604	.068	1.068
12	CBB1	X	.028	.228	0	2.333
13	CBB1	X	.228	.323	2.333	4.667
14	CBB1	X	.323	.318	4.667	7
15	CBB1	X	.318	.323	7	9.333
16	CBB1	X	.323	.228	9.333	11.667
17	CBB1	X	.228	.028	11.667	14
18	M8	X	.191	.191	0	3.5
19	M8	X	.191	.191	3.5	7
20	M10	X	.45	.382	0	3.233
21	M32	X	.604	.604	.068	1.068
22	CBA1	X	.028	.228	0	2.333
23	CBA1	X	.228	.323	2.333	4.667
24	CBA1	X	.323	.318	4.667	7
25	CBA1	X	.318	.323	7	9.333
26	CBA1	X	.323	.228	9.333	11.667
27	CBA1	X	.228	.028	11.667	14
28	M9	X	.191	.191	0	3.5
29	M9	X	.191	.191	3.5	7
30	M28A	X	.604	.604	.068	1.068

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N56	N58	N11	N9	Y	Two Way	-.005
2	N11	N7	N57A	N58	Y	Two Way	-.005
3	N9	N56	N57A	N7	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N56	N58	N11	N9	Y	Two Way	-.011
2	N11	N7	N57A	N58	Y	Two Way	-.011
3	N9	N56	N57A	N7	Y	Two Way	-.011

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N56	N58	N11	N9	Y	Two Way	-.000125
2	N11	N7	N57A	N58	Y	Two Way	-.000125
3	N9	N56	N57A	N7	Y	Two Way	-.000125

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N56	N58	N11	N9	Z	Two Way	-.000314
2	N11	N7	N57A	N58	Z	Two Way	-.000314
3	N9	N56	N57A	N7	Z	Two Way	-.000314

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N56	N58	N11	N9	X	Two Way	.000314
2	N11	N7	N57A	N58	X	Two Way	.000314
3	N9	N56	N57A	N7	X	Two Way	.000314

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	N18	max	1321.395	11	1212.091	13	742.625	1	.309	7	1.161	12	.493	34
2		min	-1300.909	5	-27.838	7	-579.738	7	-2.434	37	-1.156	6	-.362	40
3	N67A	max	932.829	10	1066.847	21	1152.485	2	1.351	20	1.183	8	2.031	21
4		min	-801.718	4	-70.369	3	-1252.592	8	-.253	2	-1.178	2	-.386	3
5	N68A	max	844.878	10	1066.249	17	1107.363	12	1.1	5	1.183	4	.367	11
6		min	-997.13	4	-70.505	11	-1170.961	6	-.237	12	-1.178	10	-2.171	17
7	N162A	max	275.353	11	1606.779	19	318.46	1	0	1	0	4	0	10
8		min	-300.041	5	-158.024	1	-2266.412	19	-.001	7	0	10	0	4
9	N163A	max	246.7	9	1606.393	15	1222.554	14	0	6	0	12	.001	3
10		min	-1924.853	15	-155.732	9	-287.23	8	0	12	0	6	0	9
11	N164A	max	1999.58	23	1606.294	23	1089.326	24	0	11	0	8	0	5
12		min	-299.36	5	-155.755	5	-192.118	6	0	5	0	2	-.001	11
13	Totals:	max	4858.461	10	7148.464	14	4889.609	1						
14		min	-4858.46	4	2269.407	71	-4889.611	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	CBC1	L3X3X4	.384	7	20	.032	7	z	20	3944.532	46656	1.688	2.81	1...	H2-1
2	CBB1	L3X3X4	.384	7	16	.032	7	z	16	3944.532	46656	1.688	2.81	1...	H2-1
3	CBA1	L3X3X4	.495	7	36	.043	7	z	36	3944.532	46656	1.688	2.731	1...	H2-1
4	M7	L3X3X4	.201	3.5	22	.011	3.5	y	20	15778.1...	46656	1.688	3.223	1...	H2-1
5	M8	L3X3X4	.201	3.5	18	.011	3.5	y	16	15778.1...	46656	1.688	3.223	1...	H2-1
6	M9	L3X3X4	.202	3.5	14	.011	3.5	y	24	15778.1...	46656	1.688	3.224	1...	H2-1
7	M10	LL3x3x4x6	.036	4.041	49	.013	0	z	6	73531.5...	93312	8.512	4.911	1...	H1-1b
8	M23	LL3x3x4x6	.039	4.041	32	.013	0	z	2	73531.5...	93312	8.512	4.385	1...	H1-1b
9	M24	LL3x3x4x6	.033	4.041	4	.013	0	z	10	73531.5...	93312	8.512	4.385	2...	H1-1b
10	MP1A	PIPE 2.0	.161	.688	21	.100	3.625		9	21199.8...	33048	1.925	1.925	2...	H1-1b
11	MP2A	PIPE 2.0	.229	1.833	19	.079	4.87		11	22757.7...	33048	1.925	1.925	2...	H1-1b
12	MP4A	PIPE 2.0	.206	.75	49	.102	3.75		5	21199.8...	33048	1.925	1.925	2...	H1-1b
13	M28A	HSS4.5X4.5...	.134	.065	12	.085	0	z	11	93922.7...	94932	12.717	12.717	1...	H1-1b
14	M29A	HSS4X4X4	.255	0	12	.083	.417	z	11	108939....	109188	12.663	12.663	1...	H1-1b
15	M30A	HSS4.5X4.5...	.133	.065	8	.084	0	z	7	93922.7...	94932	12.717	12.717	1...	H1-1b
16	M32	HSS4.5X4.5...	.133	.065	4	.083	0	z	3	93922.7...	94932	12.717	12.717	1...	H1-1b
17	MP3A	PIPE 2.0	.171	1.833	8	.066	4.812		2	22757.7...	33048	1.925	1.925	1...	H1-1b
18	MP1C	PIPE 2.0	.161	.688	17	.100	3.625		5	21199.8...	33048	1.925	1.925	2...	H1-1b
19	MP2C	PIPE 2.0	.259	1.833	2	.079	4.87		7	22757.7...	33048	1.925	1.925	1...	H1-1b
20	MP4C	PIPE 2.0	.169	.75	13	.102	3.75		1	21199.8...	33048	1.925	1.925	2...	H1-1b
21	MP3C	PIPE 2.0	.171	1.833	4	.066	4.812		10	22757.7...	33048	1.925	1.925	3...	H1-1b
22	MP1B	PIPE 2.0	.198	.688	49	.100	3.625		1	21199.8...	33048	1.925	1.925	1...	H1-1b
23	MP2B	PIPE 2.0	.259	1.833	10	.079	4.87		3	22757.7...	33048	1.925	1.925	2...	H1-1b
24	MP4B	PIPE 2.0	.169	.75	21	.102	3.75		9	21199.8...	33048	1.925	1.925	2...	H1-1b
25	MP3B	PIPE 2.0	.170	1.833	12	.066	4.812		6	22757.7...	33048	1.925	1.925	2...	H1-1b
26	M38A	HSS4X4X4	.264	0	4	.079	0	z	3	108939....	109188	12.663	12.663	1...	H1-1b
27	M39A	HSS4X4X4	.264	0	8	.079	0	z	7	108939....	109188	12.663	12.663	1...	H1-1b
28	MPSO	PIPE 2.0	.082	1.5	1	.040	1.5		4	31457.3...	33048	1.925	1.925	1	H1-1b
29	M44	PIPE 2.5	.263	2.865	19	.122	9.766		13	14558.7...	52164	3.699	3.699	1...	H1-1b
30	M70A	PIPE 2.5	.263	2.865	15	.123	9.766		21	14558.7...	52164	3.699	3.699	1...	H1-1b
31	M71A	PIPE 2.5	.263	2.865	23	.122	9.766		17	14558.7...	52164	3.699	3.699	1...	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
32	M74	PL3/8x6.5	.313	.5	21	.219	.25	y	6	67181.9...	78975	.617	10.695	1...	H1-1b
33	M75	PL3/8x6.5	.283	0	17	.337	0	y	1	67181.9...	78975	.617	10.695	1...	H1-1b
34	M78	PL3/8x6.5	.313	.5	17	.219	.25	y	2	67181.9...	78975	.617	10.695	1...	H1-1b
35	M79	PL3/8x6.5	.283	0	13	.337	0	y	9	67181.9...	78975	.617	10.695	1...	H1-1b
36	M82	PL3/8x6.5	.313	.5	13	.219	.25	y	10	67181.9...	78975	.617	10.695	1...	H1-1b
37	M83	PL3/8x6.5	.283	0	21	.337	0	y	5	67181.9...	78975	.617	10.695	1...	H1-1b
38	M84	L3X3X6	.103	2.356	18	.008	2.356	y	6	60353.93	68364	2.307	5.322	1...	H2-1
39	M85	L3X3X6	.103	2.356	14	.008	2.356	y	2	60353.93	68364	2.307	5.322	1...	H2-1
40	M86	L3X3X6	.103	0	22	.008	0	z	10	60353.93	68364	2.307	5.322	1...	H2-1
41	M87	L2.5x2.5x4	.085	2.488	6	.007	0	z	6	17189.2...	38556	1.114	2.252	1...	H2-1
42	M88	L2.5x2.5x4	.080	2.488	18	.008	4.976	z	8	17189.2...	38556	1.114	2.252	1...	H2-1
43	M89	L2.5x2.5x4	.085	2.488	2	.007	0	z	2	17189.2...	38556	1.114	2.252	1...	H2-1
44	M90	L2.5x2.5x4	.080	2.488	14	.008	0	z	4	17189.2...	38556	1.114	2.252	1...	H2-1
45	M91	L2.5x2.5x4	.085	2.488	10	.007	0	z	10	17189.2...	38556	1.114	2.252	1...	H2-1
46	M92	L2.5x2.5x4	.080	2.488	22	.008	4.976	z	12	17189.2...	38556	1.114	2.252	1...	H2-1

VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/7/2023
Site Name:	PROSPECT CT		
MDG #:	5000385161		
Fuze ID #:	17124000	Page:	1
			Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Tower Connection Baseplate Checks	No

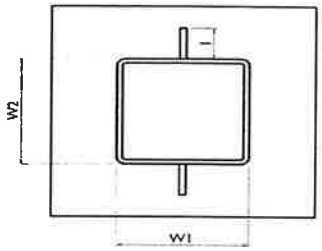
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/7/2023
Site Name:	PROSPECT CT		
PSLC #:	5000385161		
Fuze ID #:	17124000	Page:	2

Version 1.01

Tower Connection Weld Checks

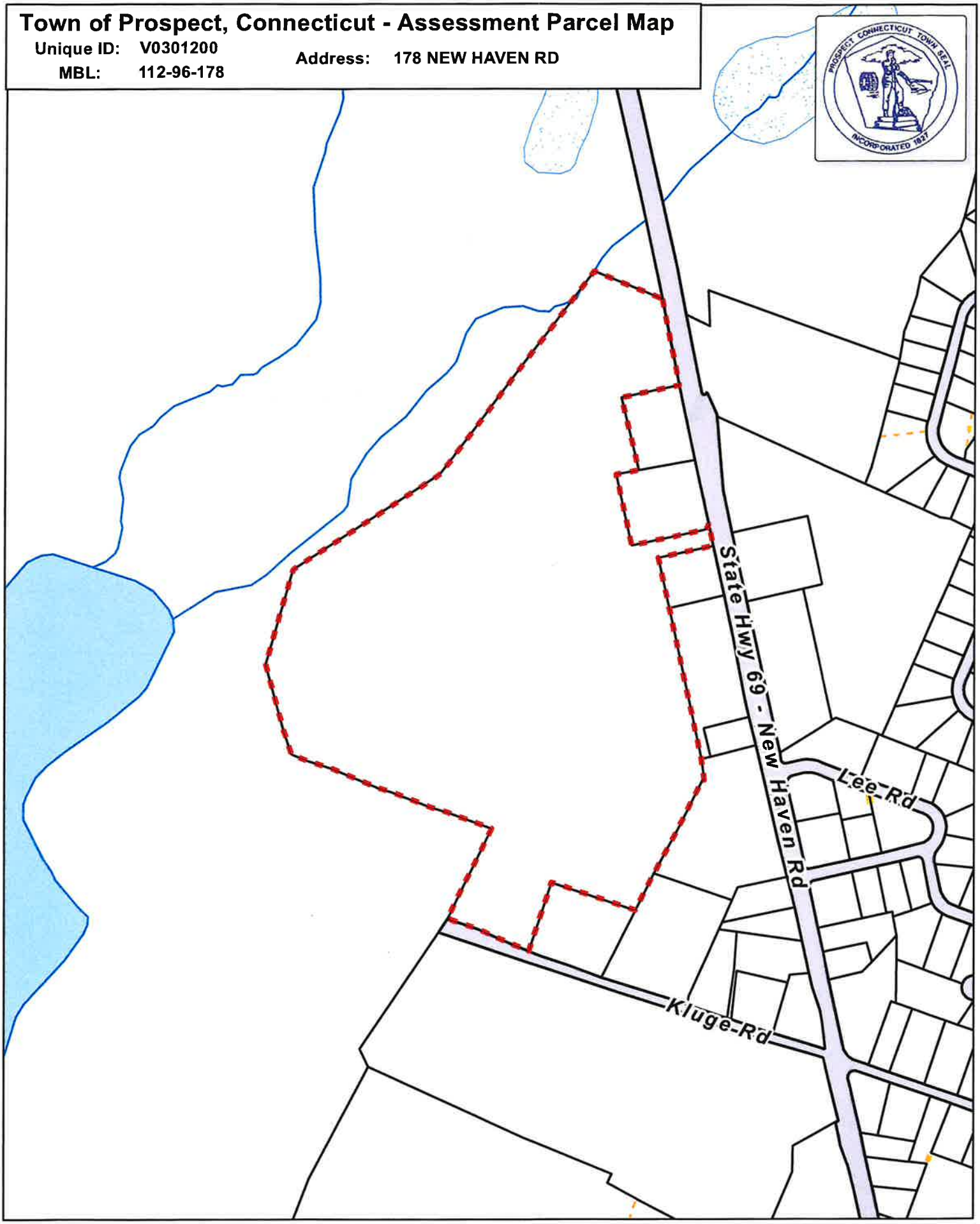
	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	(1) Stiffener on top/bottom
Stiffener Notch Present?	Yes
Stiffener Length, l (in):	3
Stiffener Spacing/Width, s (in):	
Stiffener Notch Length, n (in):	0.5
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	28.00
Z_x (in^3/in):	67.15
Z_y (in^3/in):	21.33
J_p (in^4/in):	337.33
c_x (in)	5.5
c_y (in)	5.5
Required combined strength (kip/in):	0.73
Weld Capacity (kip/in):	5.57
Weld Utilization:	**13.1%**



ATTACHMENT 4

Town of Prospect, Connecticut - Assessment Parcel Map

Unique ID: V0301200
MBL: 112-96-178
Address: 178 NEW HAVEN RD



Approximate Scale:
1 inch = 700 feet

Map Produced
August 2021

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2020.

www.townofprospect.org

Information on the Property Records for the Municipality of Prospect was last updated on 7/31/2023.

Parcel Information

Location:	178 NEW HAVEN RD	Property Use:	Vacant Land	Primary Use:	Residential
Unique ID:	V0301200	Map Block Lot:	112 96 178	Acres:	63.9800
490 Acres:	53.00	Zone:	RA-1	Volume / Page:	0548/0303
Developers Map / Lot:		Census:	3472		

Value Information

	Appraised Value	Assessed Value
Land	247,480	109,800
Buildings	0	0
Detached Outbuildings	0	0
Total	247,480	109,800

Owner's Information

Owner's Data

VISOCKIS PETER JOSEPH & VICTOR AUSTIN
73 GRANDVIEW AVE
NEWINGTON, CT 06111

Owner History - Sales

Owner Name	Volume	Page	Sale Date	Deed Type	Sale Price
VISOCKIS PETER JOSEPH & VICTOR AUSTIN	0548	0303	01/13/2006	Warranty Deed	$0

Building Permits

Permit Number	Permit Type	Date Opened	Reason
7428	Electrical	11/05/2015	REPLACING EXISTING ANTENNA PANELS WITH NEW MODEL & ADDING REMOTE RADIO HADS
6888		08/22/2013	SWAP OUT 3 ANTENNAS & ADD 1 FIBER LINE
6052	Residential	03/23/2010	REMOVE 12 ANTENNAE & REPLACE W/ 12 ANTENNAE;
5761		10/23/2008	ADD 3 ANTENNAS & GROUND CABINET TO EXISTING TOWER
3747		10/13/1999	COMM TOWER ON PROPERTY. INCOME INTENSIVE USE WITH TOWER. 175000 ADDED ON 1 ACRE. [11%]
3747		10/13/1999	COMM TOWER ON PROPERTY. INCOME INTENSIVE USE WITH TOWER. 175000 ADDED ON 1 ACRE. [11%]

ATTACHMENT 5

Verizon/Prospect

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 08/03/2023 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.	Robert J. Chatfield, Mayor Town of Prospect 36 Center Street Prospect, CT 06712				
2.	Mary Barton, Land Use Inspector Town of Prospect 36 Center Street Prospect, CT 06712				
3.	Peter Joseph Visockis and Austin Victor Visockis 73 Grandview Avenue Newington, CT 06111				
4.					
5.					
6.					

USPS AUG 3 - 2023 PROSPECT STATION OFFICE