Robinson+Cole

KENNETH C. BALDWIN

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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 <u>Attachment 1</u>.

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

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

Robinson+Cole

Melanie A. Bachman, Esq. August 3, 2023 Page 2

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

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

Kunie gmu

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,

Matine & Gelsler June
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

EAND 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, 18	dB minimum					
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz					
Rejection	53dB minimum @ 89	94 _e 1 - 896.5MHz					
ELECTRICAL							
Impedance	50Ohr	ns					
Intermodulation products -160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm							
DC / AISG							
Passband	0 - 13N	1Hz					
Insertion loss	0,3dB max	kimum					
Return loss	15dB min	imum					
Input voltage range	± 33\	/					
DC current rating	2A continuous	, 4A peak					
Compliance	3GPP TS 2	25.461					
ENVIRONMENTAL							
For further details of environmental co	ompliance, please contact Kaelus,	4					
Temperature range	-20°C to +60°C -4	1°F to +140°F					
Ingress protection	IP67						
Altitude	2600m 8	530ft					
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit mu:	st be terminated with some lightning protection circuit					
MTBF	>1,000,000	hours					
Compliance	ETSI EN 300 019 class 4.1H, Re	oHS, NEBS GR-487-CORE					
MECHANICAL							
Dimensions H x D x W	269 x 277 x 80mm 10.60 x 10.90 x 3.15ir	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					

Rev 5 May 13 2020 BSF0020F3V1-1 Page 1

Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering

Mounting

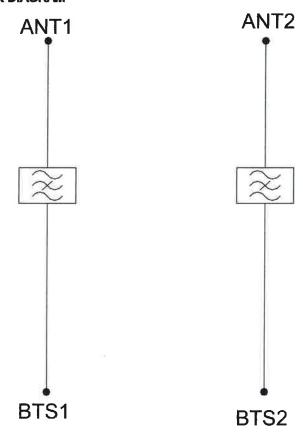


ORDERING INFORMATION

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

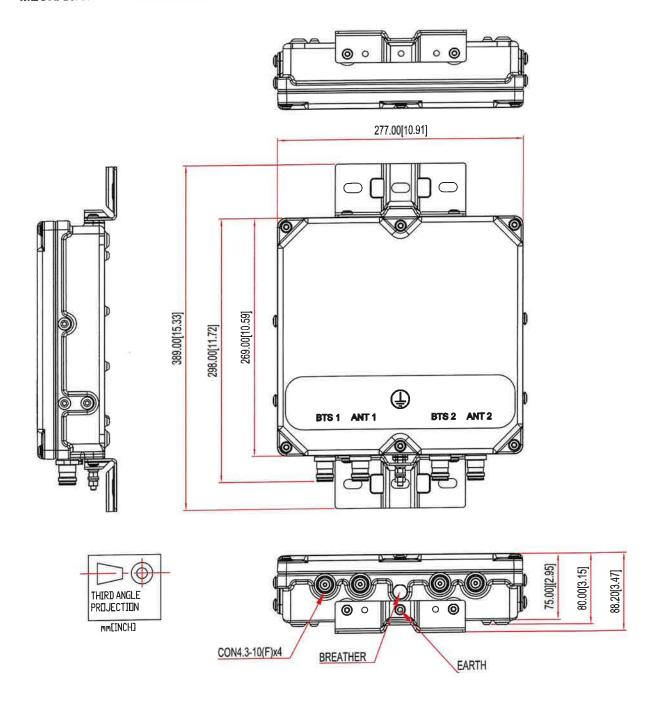


ELECTRICAL BLOCK DIAGRAM





MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3



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



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

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Analysis Result:

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Max Foundation Usage: 36.0% [Pass]

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:

Risk Category:

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		3	Andrew SBNH-1D6565C 60.8# - Panel			
2		3	Cci HPA65R-BU8A - Panel		(12) 1 1/4"	
3		3	Kathrein 800-10121 - Panel		(1) 1/2" Coax	
4		6	CCI DTMABP7819VG12A TMA		(1) 1/2" Fiber*	
5	157.0	6	Powerwave LGP21901 Diplexer	Sector Mounts	(2) 3/4" DC*	AT&T*
6		6	Kathrein 860 10025 RET	(3) Sabre C10-857-804	(1) 3/8" RET	
7		3	Ericsson RRUS-11 RRU		(1) 3" flex	
8	j	3	Ericsson RRUS 4415 B25 RRU		conduit	
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
90		6	Commscope SBNHH-1D65B - Panel	14' LP Platform Modified w/		
-241		6	Decibel - DB844G65ZAXY - Panel	(1) VZWSMART VZWSMART-PLK1		
3)		3	Samsung - MT6407-77A - Panel	[Support Rail Kit]		
(#)	132.0	3 Samsung - RF4439d-25A_AWS-PCS RRU		(3) VZWSMART VZWSMART-PLK6 [V-STYLE KICKER KIT]	(11) 1 5/8" (2) 1 5/8"	Verizon
200		3	Samsung - RF4440d-13A_700- 850MHz RRU	(1) VZWSMART VZWSMART-PLK7 [COLLAR MOUNT]	Hybrid	venzon
(*).		1	RFS DB-C1-12C-24AB-0Z - OVP	(1) VZWSMART VZWSMART-		
:#)		1	GPS	MSK10 [WIRE ROPE ROUTING BRACKET]		
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	(14)	6	Decibel DB844G65ZAXY - Panel	LP Platform Modified w/ (1) VZWSMART VZWSMART-PLK1		
13		6	Kaelus BSF0020F3V1-1 - Filter	, ,		
14		6	Commscope SBNHH-1D65B - Panel	D65B - Panel [Support Rail Kit]		
15		3	Samsung MT6407-77A - Panel	(3) VZWSMART VZWSMART-PLK6	(11) 1 5/8" (2) 1 5/8" Hybrid	Verizon
16	132.0	3	Samsung RF4439d-25A_AWS-PCS	[V-STYLE KICKER KIT] (1) VZWSMART VZWSMART-PLK7		
17	132.0	1	RFS DB-C1-12C-24AB-0Z - OVP	[COLLAR MOUNT]		
18		3 Samsung RF4440d-13A_700- 850MHz RRU		(1) VZWSMART VZWSMART- MSK10		
19		1	GPS	[WIRE ROPE ROUTING BRACKET]		

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

- 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

Site Name: Prospect 157.00 (ft) Code:

Gh:

EIA/TIA-222-H

Exposure:

1.1

Page: 1

7/7/2023 (((₩))

Dead Load Factor:

Base Elev: 0.000 (ft)

Height:

1,20

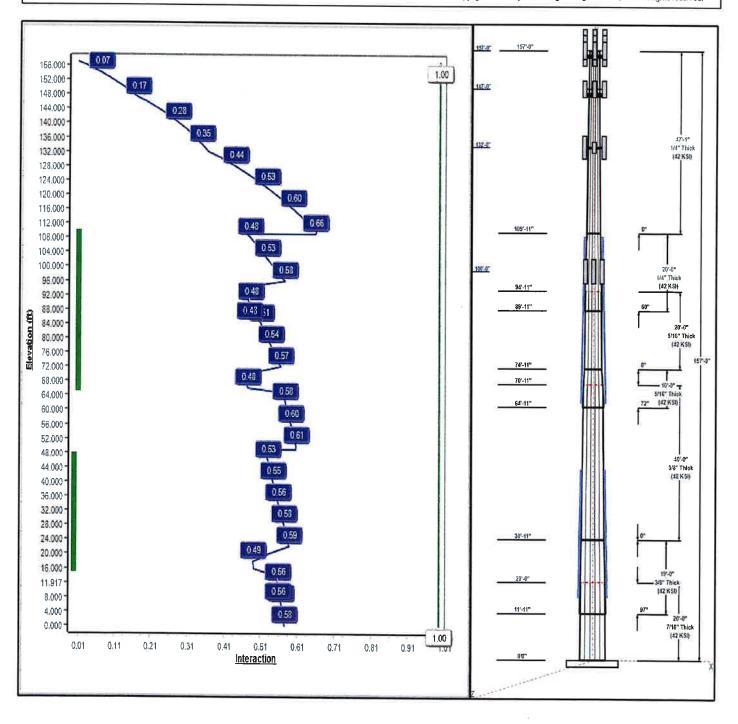
Wind Load Factor:

1.00

Load Case: 1.2D + 1.0W 118 mph Wind

Iterations: 24

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Structure: CT00252-S-SBA

Туре:

Tapered

red

Base Shape: 12 Sided

7/7/2023

Site Name: Prospect

Height: 157.00 (ft) **Base Elev:** 0.00 (ft)

Taper: 0.33161

Page: 2



			Shaft	Proper	ties					888	
	Length	Тор	Bottom	Thick	Joint		Grade	157"-0"	157'-0"		
Seq	(ft)	(in)	(in)	(in)	Type	Taper	(ksi)			alala	
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	147'-0"			1 1 1
3	40.00	45.42	58.69	0.375	Butt	0.33161	42	1		-	
4	10.00	44.72	48.04	0.313	Slip	0.33161	42	1			
5	20.00	38.09	44.72	0.313	Butt	0.33161	42	1		_ _	47'-1"
6	20.00	33.61	40.25	0.250	Slip	0.33161	42	132"-0"			1/4" Thick
7	47.08	18.00	33.61	0.250	Butt	0.33161	42				(42 KSI)
		Dis	crete A	ppurte	nances	5]			1 1 1
Attach	n Force									1 2	
Elev (f		Qty	Descri	ption		Carrier		-			
157.0			Andrew	- SBNH-1	D6565C	AT&T		1			o"
157.0			Cci HP/	465R-BU8	Α	AT&T		1	109'-11"		
157.0		3	Kathreir	n 800-1012	21	AT&T		1		#1141 #	ļ
157.0		3	Sabre C	210-857-80)4	AT&T				nnn	20'-0"
157.0		6	CCI DT	MABP781	9VG12A	AT&T		100'-0"			1/4" Thick
157.0	0 157.00	6		ave LGP2		AT&T		1	94'-11"	THE	(42 KSI)
157.0	0 157.00	6		n 860 1002		AT&T			89'-11"		60"
157.0	0 157.00	3		n RRUS-1		AT&T		1	B3 - 11		
157.0	0 157.00	3		n RRUS 4		AT&T					20"-0" 5/16" Thick
157.0	0 157.00	2		DC6-48-6		AT&T					(42 KSI)
157.0	0 157.50	1		S72188.0	1 LMU	AT&T					157*-0"
157.0			Lightnir	~					74'-11"		0"
147.0				ALP9212		Nextel			70'-11"	11111	10'-0" -
147.0						Nextel		1			5/16" Thick 72" (42 KSI)
132.0				Platform		Verizon		1	64'-11"	1++++	72" (42 KSI)
132.0				20F3V1-1		Verizon		1		111111	
132.0			GPS	1.40050		Verizon Verizon		1			
132.0				I-1D65B		Verizon				111111	1. 1.1
132.0						Verizon					40'-0" 3/8" Thick
132.0				ng 3-C1-12C-:	2448.07	Verizon					(42 KSI)
132.0					2440-02	Verizon		1			
132.0				(Handrail	Kit)	Verizon		1			
132.0				(Flatiulaii 6-H (V-Brad		Verizon		1			
132.0			. ,	Nount (3-S	·	Verizon					
132.0				365ZAXY	idea)	Verizon			30'-11"		1 1 1
132.0 100.0						T-Mobile					<u>i</u> 1
100.0				75"mount	pipe	T-Mobile					19"-0"
			near A	ppurter	ances				20'-0"		3/8" Thick- (42 KSI)
Elev	Elev								11'-31"		97*
From (Placer	nent De	scription		Carrier		-			20'-0" 7/16" Thick
0.00	157.00	Insid		4" Coax		AT&T					(42 K5I)
0.00	157.00	Insid		' Coax		AT&T		1	41911		
0.00	157.00	Insid		' Fiber		AT&T			0.0	للظيار	<u> </u>
0.00	157.00	Insid		lex conduit	t	AT&T					
0.00	157.00	Insid		DC		AT&T		7			
0.00	157.00	Insi		' RET Line	1	AT&T		4			
0.00	157.00	Outs		ety Cable	ddar\						
0.00	157.00	Outs		p bolts (lac	ader)	Novtel					
0.00	147.00	Insi		/8" Coax		Nextel Verizon					
0.00	132.00	Insi		8" Coax		Verizon					
0.00	132.00	Insi	je 15/	/8" Hybrid	-4 ⊜ 2022		ineerina Sol	lutions l	LC. All rights reserved	d.	

Structure: CT00252-S-SBA

Type:

Tapered

Base Shape: 12 Sided

7/7/2023

Page: 3

Site Name: Prospect

Height: Base Elev: 0.00 (ft)

157.00 (ft)

Taper: 0.33161

65.00 110.00 0.00 100.00

Outside 1" Reinforcing plate

15.00

50.00

Inside Outside

1 5/8" Coax

T-Mobile

1" Reinforcing plate

Anchor	Bolts
Grade	

Qty Specifications 18 2.00" F1554 105

(ksi) Arrangement 81.0 Radial

Base Plate

Thickness Specifications (in) (in) 1.7500 56.0

Grade (ksi)

Geometry

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

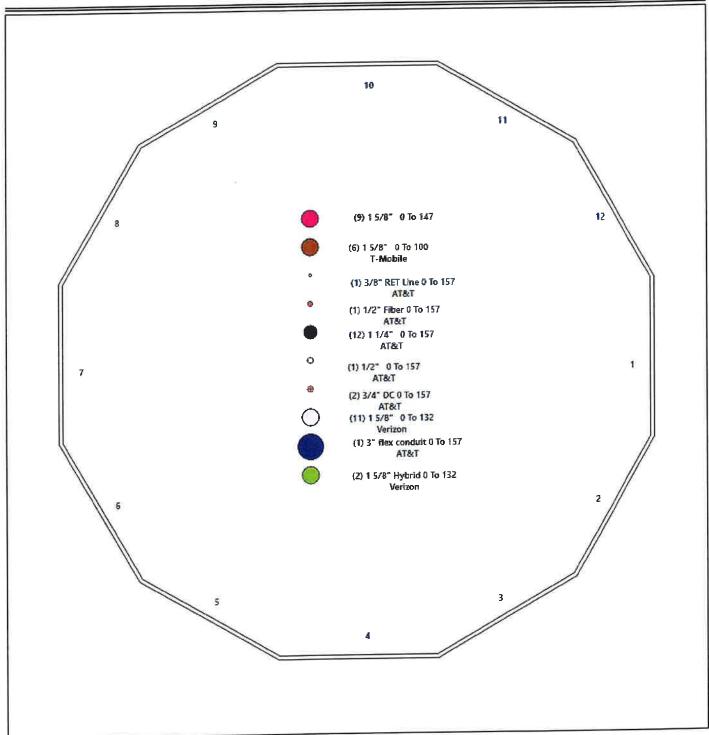
Height:

157.00 (ft)

7/7/2023

Page: 4





Shaft Properties

Structure: CT00252-S-SBA

Site Name: Prospect Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

Code:

Topography: 1

TIA-222-H

Exposure: B **Crest Height:** 0.00

Site Class: D - Stiff Soil

Struct Class: II

7/7/2023

Page: 5

((HP)) ES Tower Engineering Solution

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 Sha	ft Weight:	29.166

			Вс	ottom									
Sec. No.	Dia (in)	Elev (ft)	Area (sqin)	lx (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	lx (in^4)	W/t Ratio	D/t Ratio	Taper
1	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	Elev						Intermediate	e Connectors —	Termina	tion Conne	ctors -	
From (ft)	To (ft)	Qtv	Description	Fy (ksi)	Fu (ksi)	Offset (in)	Description	Spacing (in)	Description	Spacing		
16.00	49.00		PLT C6x10.5(1.5" Hole)	65	80		5/8" Hollo Bolt	24.00	5/8" Hollo Bolt	(in)	Qty	Qty
66.00	109.0	3	PLT C6x10.5(1.5" Hole)	65	80		5/8" Hollo Bolt	24.00	5/8" Hollo Bolt			

Load Summary

Structure: CT00252-S-SBA

Site Name: Prospect

157.00 (ft) Height:

Base Elev: 0.000 (ft)

Gh: 1.1

Topography: 1

TIA-222-H Code:

Exposure:

Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/7/2023

Page: 6

Discrete Appurtenances

	, ,,,,,,,					Ice					
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1		Andrew - SBNH-1D6565C	3	66.10	11.47	0.80	220.06	13.647	0.80	0.00	1.50
2		Cci HPA65R-BU8A	3	69.00	11.22	0.89	243.43	12.336	0.89	0.00	0.00
3		Kathrein 800-10121	3	44.10	5.15	0.79	121.02	6.561	0.79	0.00	0.00
4		Sabre C10-857-804 (Sector Frame)	3	462.00	18.53	0.75	893.99	31.525	0.75	0.00	0.00
5		CCI DTMABP7819VG12A TMA	6	19.20	1.14	0.67	36.29	1.655	0.69	0.00	0.00
6		Powerwave LGP21901 Diplexer	6	31.00	1.67	0.93	58.49	2.031	0.95	0.00	0.00
7		Kathrein 860 10025 RET	6	1.20	0.18	0.50	5.22	0.434	0.50	0.00	0.00
8		Ericsson RRUS-11 RRU	3	51.00	2.52	0.50	99.40	2.944	0.50	0.00	0.00
_		Ericsson RRUS 4415 B25 RRU	3	46.00	1.64	0.50	73.53	1.985	0.50	0.00	0.00
9 10		Raycap DC6-48-60-18-8F -Surge	2	31.80	0.92	1.00	73.20	1.213	1.00	0.00	0.00
		Nokia CS72188.01 LMU Omni	1	5.00	0.13	1.00	9.10	0.320	1.00	0.00	0.50
11		Lightning Rod	1	35.00	1.05	1.00	56.04	2.640	1.00	0.00	3.50
12		• -	9	26.70	4.52	0.67	131.41	8.586	0.67	0.00	0.00
13		Allgan ALP9212 Sector Frame	3	500.00	17.50	0.75	964.45	26.766	0.75	0.00	0.00
14		14' LP Platform	1	1500.00	25.00	1.00	2361.52	38.784	1.00	0.00	0.00
15			6	6.60	1.19	0.67	22.55	1.708	0.67	0.00	0.00
16		BSF0020F3V1-1	1	10.00	1.00	1.00	29.30	1.469	1.00	0.00	0.00
17	132.00		6	50.70	8.08	0.83	174.80	8.909	0.85	0.00	0.00
18		SBNHH-1D65B	3	79.40	4.69	0.70	152.53	5.307	0.70	0.00	0.00
19		MT6407-77A	3	74.70	1.87	0.50	121.02	2.236	0.50	0.00	0.00
20		Samsung RF4439d-25A_AWS-PCS	1	32.00	4.06	1.00	106.99	4.601	1.00	0.00	0.00
21		RFS DB-C1-12C-24AB-0Z	3	70.33	1.87	0.50	116.65	2.236	0.50	0.00	0.00
22		Samsung	1	261.72	6.75	1.00	466.15	11.092	1.00	0.00	0.00
23		HRK12 (Handrail Kit)	1	197.00	6.30	1.00	378.03	10.642	1.00	0.00	0.00
24		(3) SFS-H (V-Braces)	1	220.00	2.50	1.00	422.17	4.223	1.00	0.00	0.00
25		Collar Mount (3-Sided)	6	12.00	4,33	0.90	93.97	4.943	0.92	0.00	0.00
26		DB844G65ZAXY	3	22.00	5.12	0.72	86.11	5.926	0.72	0.00	0.00
27		742 213	3	87.00	4.31	1.00	172.54	7.758	1.00	0.00	0.00
28	100.00	15'x2.875"mount pipe	3	07.00	7.01	1.50					

17,300.53 91 8,003.71 Totals:

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	` '	0.00	Inside
0.00	157.00	•	0.00	Inside
0.00	157.00		0.00	Inside
0.00	157.00		0.00	Inside
0.00	157.00		0.00	Inside
0.00	157.00		0.38	Outside
0.00	157.00		0.63	Outside
0.00	147.00	1 1	0.00	Inside
0.00	132.00	• •	0.00	Inside
0.00	132.00	* *	0.00	Inside
65.00	110.00		2.00	Outside
0.00	100.00	• *	0.00	Inside

Discrete Appurtenances

	a.				No Ice			Ice				
No.	Elev (ft)		Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
15.0	0	50.00	(3) 1" Reinforcing plate		2	.00 0	Dutside					

Shaft Section Properties

CT00252-S-SBA Structure:

Code:

TIA-222-H

7/7/2023

Site Name: Prospect

Exposure:

В

157.00 (ft) Height:

Base Elev: 0.000 (ft)

Crest Height: 0.00

D - Stiff Soil Site Class:

(((HP))

Gh:

1.1

Topography: 1

Struct Class: ||

Page: 8

Part	Increme	ent Length:	2 (ft)									Ac	ditional	Reinforci	ng
			Think		Aroa	ly	W/f	D/t	Fv	Fb	Weight				
1000		Doscription									_		(in^4)	(in^4)	(lb)
2-100		Description				55917.5	39.62	155.86	42	45	0.0				
Authors						54291.4	39.21	154.34	42	45	646.4				
6.00				66.861	93.574	52697.1	38.81	152.83	42	46					
8.00			0.4375	66.198	92.640	51134.3	38.40	151.31							
119.2 Bot - Section 2 0.4375 64.871 90.771 4810.20 37.99 148.28 42 47 599.1 12.00 0.4375 64.20 88.987 46631.9 37.18 148.67 42 47 599.1 12.00 0.4375 63.645 88.903 46631.9 37.18 148.67 42 47 1516.2 14.00 RB1 0.4375 62.845 88.903 46631.9 37.18 148.76 42 47 1136.2 16.00 RB1 0.4375 62.845 88.903 46631.9 37.18 148.76 42 47 1136.2 18.00 0.4375 62.219 87.034 24.019 35.65 142.21 42 47 1132.4 9.24 573.3 5131.3 530.3 18.00 0.33750 63.035 63.035 73.78 340.84 14.33 162.61 42 44 100.8 9.24 5731.3 5131.3 530.2 12.00 0.33750 63.035 73.78 340.84 14.33 162.61 42 44 50.62 9.24 5731.3 5131.3 530.2 12.00 0.33750 63.05 73.78 340.84 14.33 162.61 42 44 50.62 9.24 47.31 14.50 42.29 14.20			0.4375	65.535	91.706	49602.7	37.99								
11-192 Bot - Section 2			0.4375	64.871	90.771	48102.0	37.59								
14.00		Bot - Section 2	0.4375	64.236	89.876										
14.00 RB1 0.4375 63.64 88.903 4519.21 36.77 14.52 42 47 11.96.2 16.00 RB1 0.4375 62.219 87.034 6379.22 36.37 143.73 42 47 1112.6 9.24 523.3 9.233.9 83.0 18.00 Cool Top - Section 1 0.3750 62.219 87.034 62.401 35.66 14.22 14 47 1112.6 9.24 523.3 9.24 523.3 9.33 1.3 83.0 20.00 Top - Section 1 0.3750 61.642 73.93 349.64 41.43 162.61 42 44 100.8 9.24 523.2 492.2 492.2 63.0 24.00 0.3750 61.642 73.93 349.64 41.43 162.61 42 44 500.8 9.24 482.2 492.2 629.2 63.0 25.00 0.3750 50.0316 72.373 349.04 41.43 162.61 42 44 500.8 9.24 482.2 492.2 492.2 63.0 28.00 0.3750 59.652 71.578 3210.27 40.48 159.07 42 45 44 459.3 9.24 473.11 4731.1 63.0 28.00 0.3750 59.852 71.578 3210.27 40.48 159.07 42 45 44 459.3 9.24 4833.6 63.0 39.00 Top - Section 2 0.3750 58.855 70.410 30.558.8 39.79 156.49 42 45 20.2 9.24 4493.2 489.2 28.9 39.92 Bot - Section 2 0.3750 58.252 69.976 2998.5 39.53 155.54 42 45 20.2 9.24 4493.2 499.2 28.9 39.92 Bot - Section 3 0.3750 58.252 69.976 2998.5 39.53 155.54 42 45 20.2 9.24 449.1 4347.1 83.0 38.00 0.3750 57.663 69.175 2997.4 39.06 15.85.3 155.54 42 45 20.2 9.24 449.1 444.1 444.1 8.41.1 4.34.1			0.4375	64.208	89.837										
18.00 RB1 0.4375 62.882 87.968 4378-22 36.37 143,73 42 47 1124.6 9.24 523.6 323.3 53.0 18.00 18.			0.4375	63.545								0.04	C002.0	5222.0	63.0
18.00		RB1	0.4375	62.882											
22.00	18.00		0.4375	62.219											
22.00	20.00	Top - Section 1	0.3750	62.305											
24.00	22.00		0.3750	61.642	73.980										
28.00		+(0.3750	60.979											
28.00	26.00		0.3750	60.316											
30.00			0.3750	59.652											
30.92 Top - Section 2 0.3750 58.685 70.410 30556.8 39.79 156.49 42 45 20.20 44.95.2 48.95.2 20.375.0 30.92 Bot - Section 3 0.3750 58.836 69.976 29995.5 39.53 155.54 42 45 258.8 9.24 4441.6 34.71 63.0 36.00 0.3750 57.603 68.175 28977.4 39.06 153.77 42 46 468.0 9.24 4347.1 4347.1 63.0 38.00 0.3750 56.336 67.573 27010.9 38.11 150.20 42 46 462.6 9.24 4461.2 4161.2 63.0 42.00 0.3750 55.071 66.773 27010.9 38.11 150.20 42 46 462.6 9.24 4461.2 4161.2 63.0 42.00 0.3750 55.010 66.772 23138.5 73.76 16.69 42 47 451.1 9.24 397.0			0.3750	58.989											
30.92 Bot - Section 3 0.3750 58.865 70.410 30556.8 39.79 168.49 42 45 258.8 9.24 4441.6 4441.6 34.10 32.00 0.3750 57.603 69.976 29995.5 39.51 155.54 42 45 258.8 9.24 4347.1 437.1 63.0 36.00 0.3750 57.000 68.374 27982.6 38.58 152.00 42 46 462.6 9.24 4253.6 4253.6 63.0 38.00 0.3750 55.073 66.773 26061.9 37.64 148.46 42 46 462.6 9.24 4161.2 63.0 42.00 0.3750 55.010 65.971 2913.33 37.16 146.69 42 47 446.2 9.24 389.0 389.0 63.0 48.00 0.3750 53.020 63.569 22488.1 35.74 141.39 42 47 446.2 9.24 389.0 389.0 389.0		Top - Section 2	0.3750	58.685	70.410						220.2	9.24	4493.2	4493.2	20.0
32.00		Bot - Section 3	0.3750	58.685	70.410							0.04	4444.0	4441 6	2/1
34.00			0.3750	58.326											
36.00			0.3750	57.663											
38.00			0.3750	57.000			38.58								
40.00			0.3750	56.336	67.573	27010.9	38.11								
42.00			0.3750	55.673	66.773	26061.9	37.64								
44.00			0.3750	55.010	65.972	25135.3	37.16								
46.00			0.3750	54.347	65.171	24231.1									
48.00			0.3750	53.684	64.370		36.21								
49.00 RT1			0.3750	53.020	63.569		35.74	141.39							
50.00		RT1	0.3750	52.689	63.169	22065.8						9.24	3671.0	36/1.0	31.0
52.00			0.3750	52.357	62.768	21648.8	35.27								
54.00			0.3750	51.694	61.968	20830.7	34.79								
56.00			0.3750	51.031	61.167	20033.5									
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 50 384.9 9.24 3047.4 3047.4 3047.4 34.1 66.00 RB2 0.3750 47.051 56.362 15673.4 31.48 125.47 42 50 384.9 9.24 3047.4			0.3750	50.367	60.366	19256.9						+			
60.00			0.3750	49.704	59.565	18500.6	33.37								
62.00			0.3750	49.041	58.764		32.90								
64.00			0.3750	48.378	57.963										
64.92 Bot - Section 4 66.00 RB2 0.3750 47.051 56.362 15673.4 31.48 125.47 42 50 384.9 0.3750 46.388 55.561 15014.8 31.00 123.70 42 50 702.9 0.3750 46.388 55.561 15014.8 31.00 123.70 42 50 702.9 0.3750 45.725 54.760 14374.8 30.53 121.93 42 50 692.9 70.92 Top - Section 3 0.3125 45.687 45.658 11998.3 37.03 146.20 42 47 314.3 9.24 2857.1 2857.1 28.9 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 47 308.5 9.24 2706.8 2706.8 28.9 74.92 Bot - Section 5 0.3125 44.360 44.323 10976.5 35.89 141.95 42 47 164.1 9.24 2666.8 2666.8 34.1 76.00 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 37.71 42 48 294.8 9.24 2521.7 2521.7 63.0 80.00 0.3125 43.034 42.988 10014.4 37.71 42 48 294.8 9.24 2521.7 2521.7 63.0			0.3750	47.715	57.163	16351.1									
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 3047.4 56.00 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 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 76.00 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 80.00		Bot - Section 4	0.3750	47.411									0047.4	2047.4	24.1
68.00			0.3750	47.051			31.48								
70.00			0.3750	46.388			31.00	123.70							
70.92 Top - Section 3 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 43.097 43.656 1048.1 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			0.3750	45.725	54.760										
72.00		Top - Section 3	0.3125	46.046	46.019	12285.5	37.34								
74.00		,	0.3125	45.687	45.658	11998.3	37.03								
74.92 Top - Section 4 0.3125 44.720 44.685 11247.3 36.20 143.10 42 47 139.9 9.24 270.0<			0.3125	45.023	44.990	11479.8									
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		Top - Section 4	0.3125	44.720	44.685	11247.3	36.20				139.9	9.24	2706.8	2706.8	26.9
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 80.00 0.3125 43.034 42.988 10014.4 34.76 137.71 42 48 294.8 9.24 2450.6 2450.6 63.0					44.685	11247.3							acco -	00000	04.4
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 63.0 63.0 63.0 63.0 63.0 63.0 63.0					44.323	10976.5	35.89	141.95							
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					43.656	10488.1	35.32						_		
30.00 A 20.00					42.988	10014.4	34.76								
	82.00				42.321	9555.2	34.19	135.59	42	48	290.3	9.24	2450.6	2450.6	03.0

			Flat								Additional Reinfo			ng
Elev	5	Thick	Dia	Area	lx	W/t	D/t	Fy	Fb	Weight	Area	lxp	lyp	Weight
(ft)	Description	(in)	(in)	(in^2)	(in^4)	Ratio	Ratio	(ksi)	(ksi)	(Ib)	(in^2)	(in^4)	(in^4)	(lb)
84.00 86.00		0.3125	41.707	41.654	9110.3	33.62	133.46	42	49	285.7	9.24	2380.6	2380.6	63.0
88.00		0.3125	41.044	40.986	8679.4	33.05	131.34	42	49	281.2	9.24	2311.6	2311.6	63.0
89.92	Bot - Section 6	0.3125	40.381	40.319	8262.3	32.48	129.22	42	49	276.7	9.24	2243.6	2243.6	63.0
90.00	Dot - 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
92.00		0.3125	39.718	39.652	7858.8	31.91	127.10	42	50	20.4	9.24	2227.0	2227.0	2.6
94.00		0.3125	39.055	38.984	7468.6	31.34	124.97	42	50	484.7	9.24	2160.3	2160.3	63.0
94.92	Top - Section 5	0.3125	38.391	38.317	7091.6	30.77	122.85	42	50	476.6	9.24	2094.6	2094.6	63.0
96.00	rop - 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
98.00		0.2500	38.228	30.572	5628.4	38.83	152.91	42	46	113.2	9.24	2029.9	2029.9	34.1
100.00		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
104.00		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
108.00		0.2500	34.912	27.903	4279.0	35.27	139.65	42	48	191.7	9.24	1721.6	1721.6	63.0
109.00	RT2	0.2500	34.249	27.369	4038.1	34.56	137.00	42	48	188.1	9.24	1663.0	1663.0	63.0
109.92		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				
110.00	Bot - Section 7	0.2500	33.613	26.857	3815.8	33.88	134.45	42	48					
112.00		0.2500	33.586	26.835	3806.3	33.85	134.34	42	48	7.6				
114.00		0.2500	32.922	26.301	3583.6	33.14	131.69	42	49	180.8				
116.00		0.2500	32.259	25.767	3369.8	32.43	129.04	42	49	177.2				
118.00		0.2500	31.596	25.233	3164.7	31.72	126.38	42	50	173.5				
120.00		0.2500	30.933	24.700	2968.0	31.01	123.73	42	50	169.9				
122.00		0.2500	30.270	24.166	2779.7	30.30	121.08	42	50	166.3				
124.00		0.2500	29.606	23.632	2599.5	29.59	118.43	42	51	162.6				
126.00		0.2500	28.943	23.098	2427.2	28.88	115.77	42	51	159.0				
128.00		0.2500	28.280	22.564	2262.8	28.17	113.12	42	52	155.4				
130.00		0.2500	27.617	22.030	2105.9	27.46	110.47	42	52	151.7				
132.00		0.2500 0.2500	26.953	21.496	1956.5	26.74	107.81	42	53	148.1				
134.00			26.290	20.962	1814.3	26.03	105.16	42	53	144.5				
136.00		0.2500 0.2500	25.627	20.428	1679.2	25.32	102.51	42	53	140.8				
138.00		0.2500	24.964	19.895	1551.0	24.61	99.86	42	53	137.2				
140.00		0.2500	24.301	19.361	1429.4	23.90	97.20	42	53	133.6				
142.00			23.637	18.827	1314.4	23.19	94.55	42	53	129.9				
144.00		0.2500 0.2500	22.974	18.293	1205.7	22.48	91.90	42	53	126.3				
146.00		0.2500	22.311	17.759	1103.2	21.77	89.24	42	53	122.7				
147.00			21.648	17.225	1006.7	21.06	86.59	42	53	119.0				
148.00		0.2500	21.316	16.958	960.6	20.70	85.26	42	53	58.2				
150.00		0.2500	20.984	16.691	915.9	20.35	83.94	42	53	57.3				
152.00		0.2500	20.321	16.157	830.8	19.64	81.29	42	53	111.8	12			
154.00		0.2500	19.658	15.623	751.2	18.93	78.63	42	53	108.1				
156.00		0.2500	18.995	15.090	676.7	18.21	75.98	42	53	104.5				
157.00		0.2500	18.332	14.556	607.4	17.50	73.33	42	53	100.9				
107.00		0.2500	18.000	14.289	574.6	17.15	72.00	42	53	49.1			_	
							Tota	ıl Weig	ht	29165.9	-			2491.1

Wind Loading - Shaft

Structure: CT00252-S-SBA

Site Name: Prospect 157.00 (ft)

Height: Base Elev: 0.000 (ft)

Gh:

1.1

Code:

TIA-222-H

В Exposure:

Crest Height: 0.00 D - Stiff Soil Site Class:

Struct Class: ||

7/7/2023

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Page: 10

Load Case: 1.2D + 1.0W 118 mph Wind

Topography: 1

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



Iterations

24

					qzGh	С		ice Thick	Tributary	Aa	CfAa	Wind Force X	Dead Load Ice	Tot Dead Load
Elev (ft)	Description	Kzt	Kz	qz (psf)	(psf)	(mph-ft)	Cf	(in)	(ft)	(sf)	(sf)	(lb)	(lb)	(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		11.708	11.12		0.0	775.6
4.00		1.00	0.70	23.027	25.33	561.29	0.950	0.000		11.594	11.01	279.0	0.0	768.0
6.00		1.00		23.027	25.33	555.72	0.950	0.000		11.479	10.91	276.2	0.0	760.4 752.7
8.00		1.00	0.70	23.027	25.33	550.15	0.950	0.000		11.365	10.80	273.5	0.0	732.7 745.1
10.00		1.00	0.70	23.027	25.33	544 .59	0.950	0.000		11.251	10.69	270.7	0.0	706.9
	t - Section 2	1.00	-	23.027	25.33	539.25	0.950	0.000		10.674	10.14	256.9	0.0	700.9 57.1
12.00		1.00	0.70	23.027	25.33	539.02	0.950	0.000	0.08	0.467	0.44	11.2		1363.5
14.00		1.00	0.70	23.027	25.33	533.45	0.950	0.000		11.151	10.59	268.3	0.0	1349.3
16.00 RI	B1	1.00		23.027	25.33	527.88	0.950	0.000		11.037	10.48	265.6	0.0	1335.1
18.00		1.00	0.70	23.027	25.33	522.32	0.950	0.000		10.922	10.38	262.8	0.0	1320.9
	p - Section 1	1.00	0.70	23.027	25.33	516.75	0.950	0.000		10.808	10.27	260.1	0.0	607.4
22.00		1.00	0.70	23.027	25.33	517.48	0.950	0.000		10.693	10.16	257.3	0.0	600.9
24.00		1.00	0.70	23.027	25.33	511.91	0.950	0.000		10.579	10.05	254.6	0.0	
26.00		1.00	0.70	23.027	25.33	506.34	0.950	0.000		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		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		10.236	9.72		0.0	581.3
	p - Section 2	1.00	0.71	23.246	25.57	494.99	0.950	0.000	0.92	4.653	4.42			264.2
32.00		1.00	0.71	23.476	25.82	494.38	0.950	0.000	1.08	5.468	5.19		0.0	310.5
34.00		1.00	0.73	23.886	26.27	493.01	0.950	0.000		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		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		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		542.0
44.00		1.00	0.78	25.712	28.28	482.09	0.950	0.000	2.00	9.435	8.96			535.5
46.00		1.00	0.79	26.040	28.64	479.25	0.950	0.000	2.00		8.85			529.0
48.00		1.00	0.80	26.359	28.99	476.21	0.950	0.000	2.00	9.206	8.75			522.4
49.00 R	T1	1.00	0.81	26.515	29.17	474.63	0.950	0.000	1.00	4.560	4.33			258.8
50.00		1.00	0.81	26.668	29.33	473.00	0.950	0.000	1.00	4.531	4.30			257.1
52.00		1.00	0.82	26.969	29.67	469.64	0.950	0.000	2.00	8.977	8.53			509.3
54.00		1.00	0.83	27.261	29.99	466.12	0.950	0.000	2.00	8.862	8.42			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		496.3
58.00		1.00	0.85	27.823	30.61	458.66	0.950	0.000	2.00	8.633	8.20			489.7
60.00		1.00	0.85	28.094	30.90	454.74	0.950	0.000	2.00	8.519	8.09		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		0.0	476.6
64.00		1.00		28.617	31.48	446.54	0.950	0.000	2.00	8.290	7.88			470.1
	ot - Section 4	1.00	0.87	28.734	31.61	444.59	0.950	0.000	0.92		3.57			213.3
66.00 R		1.00		28.870	31.76	442.27	0.950	0.000	1.08	4.473	4.25	134.9		461.9
	.UZ	1.00		29.117	32.03	437.90	0.950	0.000	2.00	8.169	7.76			843.5
68.00 70.00		1.00		29.359	32.30	433.43	0.950	0.000	2.00	8.055	7.65	247.1	0.0	831.5
	op - Section 3	1.00		29.469			0.950	0.000	0.92	3.653	3.47			377.1
70.92 10	ab a decrion o	1.00		29.596			0.950	0.000	1.08	4.287	4.07			202.8
72.00 74.00		1.00		29.829			0.950	0.000	2.00	7.826	7.43	243.9		370.1
	on Section 4	1.00	0.91	29.934	32.93		0.950	0.000	0.92	3.549	3.37	111.0		167.8
	op - Section 4	1.00		30.057			0.950	0.000	1.08	4.163	3.95	130.8	0.0	196.9
76.00		1.00		30.281	33.31		0.950	0.000	2.00	7.597	7.22			359.2
78.00		1.00		30.501			0.950	0.000	2.00	7.483	7.11	238.5	0.0	353.8
80.00		1.00	0.00						IIC All righ	te resen	rod			

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Wind Loading - Shaft

Structure: CT00252-S-SBA

Site Name: Prospect

Height: 157.00 (ft) **Base Elev:** 0.000 (ft)

Code: TIA-222-H

Exposure: B

Crest Height: 0.00

Site Class: D - Stiff Soil



7/7/2023

Dase Liev. 0.000	(14)			21	te Clas	SS: L) - Stiff Sc)II				
Gh: 1.1		Topography	r: 1	St	ruct C	lass: I				Page: 11	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		0.000	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	217.0
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	
118.00	1.00	1.04 34.083	37.49	315.92	0.950	0.000	2.00	5.395	5.12	193.3	0.0	208.3 203.9
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	
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	199.5
124.00	1.00	1.05 34.570	38.03	297.70	0.950	0.000	2.00	5.051	4.80	182.5		195.2
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	190.8
128.00	1.00	1.06 34.885	38.37	285.35	0.950	0.000	2.00	4.822	4.58	179.2 175.8	0.0	186.5
130.00	1.00	1.07 35.039	38.54	279.12	0.950	0.000	2.00	4.708	4.47	175.6	0.0	182.1
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	177.7
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	173.4
136.00	1.00	1.08 35.494	39.04	260.18	0.950	0.000	2.00	4.365	4.20		0.0	169.0
138.00	1.00	1.08 35.642	39.21	253.80	0.950	0.000	2.00	4.250	4.15	161.9	0.0	164.7
140.00	1.00	1.09 35.789	39.37	247.38	0.950	0.000	2.00	4.136	3.93	158.3 154.7	0.0	160.3
142.00	1.00	1.09 35.935	39.53	240.93	0.950	0.000	2.00	4.021			0.0	155.9
144.00	1.00	1.10 36.078	39.69	234.44	0.950	0.000	2.00	3.907	3.82 3.71	151.0	0.0	151.6
146.00	1.00	1.10 36.221	39.84	227.92	0.950	0.000	2.00	3.792	3.60	147.3	0.0	147.2
147.00 Appurtenance(s)	1.00	1.10 36.292	39.92	224.65	0.950	0.000	1.00	1.853		143.5	0.0	142.9
148.00	1.00	1.11 36.362	40.00	221.37		0.000	1.00	1.825	1.76	70.3	0.0	69.8
150.00	1.00	1.11 36.502	40.15	214.78	0.950	0.000			1.73	69.3	0.0	68.7
152.00	1.00	1.11 36.640	40.30	208.17	0.950	0.000	2.00	3.564	3.39	135.9	0.0	134.1
154.00	1.00	1.12 36.777	40.45	201.52	0.950	0.000	2.00	3.449	3.28	132.1	0.0	129.8
156.00	1.00	1.12 36.913	40.60	194.84	0.950		2.00	3.335	3.17	128.2	0.0	125.4
157.00 Appurtenance(s)	1.00	1.12 36.981	40.68	194.64	0.950	0.000	2.00	3.220	3.06	124.2	0.0	121.1
· + · · · · · · · · · · · · · · · ·		1.12 00.00	70.00	131.48	5.550	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

Site Name: Prospect 157.00 (ft) Height:

Base Elev: 0.000 (ft)

Gh: 1.1 Code:

TIA-222-H

Exposure: Crest Height: 0.00

D - Stiff Soil Site Class:

Struct Class: II

7/7/2023

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Page: 12

Load Case: 1.2D + 1.0W 118 mph Wind

Topography: 1

Dead Load Factor 1.20 1.00 Wind Load Factor



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)
_		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
1		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
2		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
3 4		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
4 5		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
5 6		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		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
, B		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		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		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		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		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		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		Aligan 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		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		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		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		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		1	35.193	38.712	0.75	0.75	0.75	12.00	0.000	0.000	29.03	0.00	0.00
20		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		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		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		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		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		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		(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
20 27		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		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
	100.00	142 210					Totals		9 604 45			12.133.15		

Totals:

9,604.45

12,133.15

Total Applied Force Summary

Structure: CT00252-S-SBA

Site Name: Prospect Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code:

TIA-222-H

Exposure:

В

Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: II

7/7/2023

Page: 13

Load Case: 1.2D + 1.0W 118 mph Wind

Dead Load Factor

1.20

Topography: 1

Wind Load Factor 1.00 **Iterations**

24

		Lateral	Axial	Torsion	Moment	
Elev (ft)	Description	FX (-) (lb)	FY (-)	MY	MZ	
	Description		(lb)	(lb-ft)	(lb-ft)	_
0.00		0.00	0.00	0.00	0.00	
2.00 4.00		281.74	875.17	0.00	0.00	
		278.99	867.54	0.00	0.00	
6.00 8.00		276.23	859.91	0.00	0.00	
		273.48	852.28	0.00	0.00	
10.00 11.92		270.73	844.65	0.00	0.00	
		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		
60.00		250.11	582.71	0.00	0.00	
62.00		249.07	576.17	0.00	0.00	
64.00		247.92			0.00	
64.92		112.94	569.63	0.00	0.00	
66.00			258.90	0.00	0.00	
68.00		134.94	515.82	0.00	0.00	
70.00		248.57	943.05	0.00	0.00	
		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

CT00252-S-SBA Structure:

Code:

TIA-222-H

В

7/7/2023

Site Name: Prospect

Exposure:

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Page: 14

142.00

144.00

146.00

147.00

148.00

150.00

152.00

154.00

156.00

157.00

(12) attachments

(40) attachments

Totals:

157 00 (ft)

Crest Height: 0.00

(((開))) Tower Engineering Solutions

Height:	157.00 (ft)			Crest ne	ight. 0.00	
Base Ele				Site Clas	ss: D - Stiff	Soil
Gh:	1.1	Topo	ography: 1	Struct C	lass: II	
GII.	111			2.22	0.00	
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		
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	

203.40

199.04

194.68

2184.06

83.38

163.49

159.13

154.77

150.41

3225.49

51,468.73

151.01

147.30

143.55

2119.65

69.34

135.93

132.06

128.16

124.22

5134.95

29,496.65

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

1837.36

1,837.36

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

Structure: CT00252-S-SBA

Site Name: Prospect

Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code:

TIA-222-H

Exposure: В

Crest Height: 0.00

D - Stiff Soil Site Class:

Struct Class: ||

7/7/2023

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Page: 15

Iterations 24

Load Case: 1.2D + 1.0W 118 mph Wind

Topography: 1

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

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.014	0.000	23.027	0.00	
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.014	0.000	23.027	0.00 0.00	0.66
4.00		Yes	2.00	0.000	0.38	0.06	0.00	0.014	0.000	23.027		2.50
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00 0.00	0.66
6.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	2.50
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	23.027	0.00	0.66
8.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	23.027	0.00	2.50 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	0.03
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
	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
	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

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Structure: CT00252-S-SBA

Site Name: Prospect
Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

GII.

Code: TIA-222-H

Exposure: B
Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/7/2023

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Page: 16

Load Case: 1.2D + 1.0W 118 mph Wind

Topography: 1

Dead Load Factor 1.20 Wind Load Factor 1.00



Iterations

24

Top Elev	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)
(ft)	Description	·			0.63	0.10	0.00	0.050	0.000	23.886	0.00	2.50
34.00	Step bolts (ladder)	Yes	2.00	0.000 0.000	2.00	0.33	0.00	0.050	0.000	23.886	0.00	0.00
34.00	1" Reinforcing plate	Yes	2.00		0.38	0.06	0.00	0.051	0.000	24.279	0.00	0.66
36.00	Safety Cable	Yes	2.00	0.000	0.63	0.00	0.00	0.051	0.000	24.279	0.00	2.50
36.00	Step bolts (ladder)	Yes	2.00	0.000		0.10	0.00	0.051	0.000	24.279	0.00	0.00
36.00	1" Reinforcing plate	Yes	2.00	0.000	2.00 0.38	0.06	0.00	0.051	0.000	24.657	0.00	0.66
38.00	Safety Cable	Yes	2.00	0.000		0.00	0.00	0.051	0.000	24.657	0.00	2.50
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.33	0.00	0.051	0.000	24.657	0.00	0.00
38.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.052	0.000	25.021	0.00	0.66
40.00	Safety Cable	Yes	2.00	0.000	0.38	0.00	0.00	0.052	0.000	25.021	0.00	2.50
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.63		0.00	0.052	0.000	25.021	0.00	0.00
40.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33 0.06	0.00	0.052	0.000	25,372	0.00	0.66
42.00	Safety Cable	Yes	2.00	0.000	0.38		0.00	0.053	0.000	25.372	0.00	2.50
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10 0.33	0.00	0.053	0.000	25.372	0.00	0.00
42.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.053	0.000	25.712	0.00	0.66
44.00	Safety Cable	Yes	2.00	0.000	0.38	0.00	0.00	0.053	0.000	25.712	0.00	2.50
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.63		0.00	0.053	0.000	25.712	0.00	0.00
44.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.053	0.000	26.040	0.00	0.66
46.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.054	0.000	26.040	0.00	2.50
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10		0.054	0.000	26.040	0.00	0.00
46.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.054	0.000	26.359	0.00	0.66
48.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.054	0.000	26.359	0.00	2.50
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.054	0.000	26.359	0.00	0.00
48.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00		0.000	26.535	0.00	0.33
49.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.055	0.000	26.515	0.00	1.25
49.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.055	0.000	26.515	0.00	0.00
49.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.055	0.000	26.668	0.00	0.33
50.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.055	0.000	26.668	0.00	1.25
50.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.055	0.000	26.668	0.00	0.00
50.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.055	0.000	26.969	0.00	0.66
52.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	26.969	0.00	2.50
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	27.261	0.00	0.66
54.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019		27.261	0.00	2.50
54.00		Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000 0.000	27.546	0.00	0.66
56.00		Yes	2.00	0.000	0.38	0.06	0.00	0.019		27.546	0.00	2.50
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	27.823	0.00	0.66
58.00		Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	27.823	0.00	2.50
58.00	-	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	28.094	0.00	0.66
60.00		Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000		0.00	2.50
60.00		Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	28.094	0.00	0.66
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	28.359		2.50
62.00		Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	28.359	0.00 0.00	0.66
64.00		Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	28.617		2.50
64.00		Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	28.617	0.00	0.30
64.92		Yes	0.92	0.000	0.38	0.03	0.00	0.021	0.000	28.734	0.00	
	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		Yes	1.08	0.000	0.38	0.03	0.00	0.058	0.000	28.870	0.00	0.35
	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.058	0.000	28.870	0.00	1.35

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: ||

7/7/2023

Page: 17

ES
Tower Engineering Solution

Iterations

24

Load Case: 1.2D + 1.0W 118 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (Ib)
66.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.058	0.000			
68.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.062	0.000	28.870 29.117	0.00 0.00	0.00
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.062	0.000	29.117	0.00	0.66
68.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.062	0.000	29.117	0.00	2.50
70.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.063	0.000	29.359	0.00	0.00
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.063	0.000	29.359	0.00	0.66 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	•	Yes	0.92	0.000	0.38	0.03	0.00	0.065	0.000	29.934	0.00	0.30
74.92		Yes	0.92	0.000	0.63	0.05	0.00	0.065	0.000	29.934	0.00	1.14
	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
	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
	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
	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
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.070	0.000	31.138	0.00	2.50
	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.070	0.000	31.138	0.00	0.00
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.071	0.000	31.343	0.00	0.66
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.071	0.000	31.343	0.00	2.50
	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.071	0.000	31.343	0.00	0.00
	Safety Cable Step bolts (ladder)	Yes	1.92	0.000	0.38	0.06	0.00	0.073	0.000	31.536	0.00	0.63
	1" Reinforcing plate	Yes	1.92	0.000	0.63	0.10	0.00	0.073	0.000	31.536	0.00	2.39
	Safety Cable	Yes	1.92	0.000	2.00	0.32	0.00	0.073	0.000	31.536	0.00	0.00
	Step bolts (ladder)	Yes	0.08	0.000	0.38	0.00	0.00	0.073	0.000	31.545	0.00	0.03
	1" Reinforcing plate	Yes	80.0	0.000	0.63	0.00	0.00	0.073	0.000	31.545	0.00	0.10
	Safety Cable	Yes Yes	0.08	0.000	2.00	0.01	0.00	0.073	0.000	31.545	0.00	0.00
00	- July 04516		2.00	0.000	0.38	0.06	0.00	0.074	0.000	31.744	0.00	0.66

Structure: CT00252-S-SBA

Code:

TIA-222-H

В

7/7/2023

Site Name: Prospect

Exposure:

((明))

Height:

157.00 (ft)

Crest Height: 0.00 D - Stiff Soil Site Class:

Base Elev: 0.000 (ft) 1.1 Gh:

Topography: 1

Struct Class: ||

Page: 18

Iterations

24

Load Case: 1.2D + 1.0W 118 mph Wind

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

Top Elev		Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
(ft)	Description	Exposed						0.074	0.000	31.744	0.00	2.50
92.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.074	0.000	31.744	0.00	0.00
92.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00 0.00	0.074	0.000	31.939	0.00	0.66
94.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.075	0.000	31.939	0.00	2.50
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.075	0.000	31.939	0.00	0.00
94.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33 0.03	0.00	0.076	0.000	32.028	0.00	0.30
94.92	Safety Cable	Yes	0.92	0.000	0.38		0.00	0.076	0.000	32.028	0.00	1.14
94.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05 0.15	0.00	0.076	0.000	32.028	0.00	0.00
94.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.13	0.00	0.076	0.000	32.132	0.00	0.35
96.00	Safety Cable	Yes	1.08	0.000	0.38	0.05	0.00	0.076	0.000	32.132	0.00	1.35
96.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.00	0.00	0.076	0.000	32.132	0.00	0.00
96.00	1" Reinforcing plate	Yes	1.08	0.000	2.00 0.38	0.16	0.00	0.077	0.000	32.322	0.00	0.66
98.00	Safety Cable	Yes	2.00	0.000	0.63	0.00	0.00	0.077	0.000	32.322	0.00	2.50
98.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.10	0.00	0.077	0.000	32.322	0.00	0.00
98.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.078	0.000	32.509	0.00	0.66
100.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.078	0.000	32.509	0.00	2.50
100.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.13	0.00	0.078	0.000	32.509	0.00	0.00
100.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.080	0.000	32.693	0.00	0.66
102.00	Safety Cable	Yes	2.00 2.00	0.000	0.63	0.10	0.00	0.080	0.000	32.693	0.00	2.50
102.00	Step bolts (ladder)	Yes		0.000	2.00	0.33	0.00	0.080	0.000	32.693	0.00	0.00
102.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.081	0.000	32.875	0.00	0.66
104.00	•	Yes	2.00 2.00	0.000	0.63	0.10	0.00	0.081	0.000	32.875	0.00	2.50
104.00		Yes	2.00	0.000	2.00	0.33	0.00	0.081	0.000	32.875	0.00	0.00
104.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.082	0.000	33.055	0.00	0.66
106.00	•	Yes	2.00	0.000	0.63	0.10	0.00	0.082	0.000	33.055	0.00	2.50
106.00		Yes	2.00	0.000	2.00	0.33	0.00	0.082	0.000	33.055	0.00	0.00
106.00		Yes	2.00	0.000	0.38	0.06	0.00	0.084	0.000	33.232	0.00	0.66
108.00		Yes	2.00	0.000	0.63	0.10	0.00	0.084	0.000	33.232	0.00	2.50
108.00		Yes	2.00	0.000		0.33	0.00	0.084	0.000	33.232	0.00	0.00
108.00	1" Reinforcing plate	Yes	1.00	0.000		0.03	0.00	0.085	0.000	33.319	0.00	0.33
109.00		Yes Yes	1.00	0.000		0.05	0.00	0.085	0.000	33.319	0.00	1.25
109.00	Step bolts (ladder)	Yes	1.00	0.000		0.17	0.00	0.085	0.000	33.319	0.00	0.00
109.00		Yes	0.92	0.000		0.03	0.00	0.086	0.000	33.399	0.00	0.30
109.92		Yes	0.92	0.000		0.05	0.00	0.086	0.000	33.399	0.00	1.14
109.92		Yes	0.92	0.000		0.15	0.00	0.086	0.000	33.399	0.00	0.00
	1" Reinforcing plate	Yes	0.08	0.000		0.00	0.00	0.087	0.000	33.406	0.00	0.03
	Safety Cable	Yes	0.08	0.000		0.00	0.00	0.087	0.000	33.406	0.00	0.10
110.00		Yes	0.08	0.000		0.01	0.00	0.087	0.000	33.406	0.00	0.00
	1" Reinforcing plate	Yes	2.00	0.000		0.06	0.00	0.029	0.000	33.579	0.00	0.66
	Safety Cable	Yes	2.00	0.000		0.10	0.00	0.029	0.000	33.579	0.00	2.50
	Step bolts (ladder)	Yes	2.00	0.000		0.06	0.00	0.030	0.000	33.749	0.00	0.66
	Safety Cable	Yes	2.00	0.000		0.10	0.00	0.030	0.000	33.749	0.00	2.50
	Step bolts (ladder)	Yes	2.00	0.000		0.06	0.00	0.031	0.000	33.917	0.00	0.66
	Safety Cable	Yes	2.00	0.000		0.10	0.00	0.031	0.000	33.917	0.00	2.50
	Step bolts (ladder)	Yes	2.00	0.000		0.06	0.00	0.031	0.000	34.083	0.00	0.66
	Safety Cable Step bolts (ladder)	Yes	2.00	0.000		0.10	0.00	0.031	0.000	34.083	0.00	2.50
		Yes	2.00	0.000		0.06	0.00	0.032	0.000	34.247	0.00	0.66
120.00	Safety Cable	163	2.00			0.1.6	110 44	righte ree	oned			

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Structure: CT00252-S-SBA

Code:

Topography: 1

Site Name: Prospect Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Exposure: В

Crest Height: 0.00

Site Class: D - Stiff Soil

TIA-222-H

Struct Class: ||

7/7/2023

Page: 19



Load Case: 1.2D + 1.0W 118 mph Wind

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



Iterations

24

Тор												
Elev		Wind	Length		Exposed Width	Area	CaAa		Cf Adjust	-	EV	Dead
(ft)	Description	Exposed	(ft)	Ca	(in)	(sqft)	(sqft)	Ra	Factor	qz (psf)	F X (lb)	Load (lb)
120.00	' '	Yes	2.00	0.000	0.63	0.10	0.00	0.032	0.000	34.247	0.00	2.50
122.00	•	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	34.409	0.00	0.66
122.00		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
144.00 144.00	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
147.00	Step bolts (ladder) Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.044	0.000	36.221	0.00	2.50
147.00	Step bolts (ladder)	Yes	1.00	0.000	0.38	0.03	0.00	0.045	0.000	36.292	0.00	0.33
148.00	Safety Cable	Yes	1.00	0.000	0.63	0.05	0.00	0.045	0.000	36.292	0.00	1.25
148.00	Step bolts (ladder)	Yes Yes	1.00	0.000	0.38	0.03	0.00	0.046	0.000	36.362	0.00	0.33
150.00	Safety Cable	res Yes	1.00	0.000	0.63	0.05	0.00	0.046	0.000	36.362	0.00	1.25
150.00	Step bolts (ladder)		2.00	0.000	0.38	0.06	0.00	0.047	0.000	36.502	0.00	0.66
152.00	Safety Cable	Yes Yes	2.00	0.000	0.63	0.10	0.00	0.047	0.000	36.502	0.00	2.50
152.00	Step bolts (ladder)	Yes Yes	2.00	0.000	0.38	0.06	0.00	0.049	0.000	36.640	0.00	0.66
	Safety Cable	Yes Yes	2.00	0.000	0.63	0.10	0.00	0.049	0.000	36.640	0.00	2.50
	Step bolts (ladder)	Yes Yes	2.00	0.000	0.38	0.06	0.00	0.050	0.000	36.777	0.00	0.66
	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.050	0.000	36.777	0.00	2.50
	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.052	0.000	36.913	0.00	0.66
	Safety Cable	Yes Yes	2.00	0.000	0.63	0.10	0.00	0.052	0.000	36.913	0.00	2.50
	Step bolts (ladder)	Yes	1.00	0.000	0.38	0.03	0.00	0.054	0.000	36.981	0.00	0.33
101.00	Stop boild (laudel)	168	1.00	0.000	0.63	0.05	0.00	0.054	0.000	36.981	0.00	1.25
						Til.	¥)		Tot	als:	0.0	247.4

CT00252-S-SBA Structure:

Site Name: Prospect 157.00 (ft)

Height: Base Elev: 0.000 (ft)

Gh: 1.1 Code:

TIA-222-H

Exposure: В

Crest Height: 0.00

Site Class:

D - Stiff Soil Struct Class: ||

Page: 20



Load Case: 1.2D + 1.0W 118 mph Wind

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

Topography: 1



24 **Iterations**

Seg	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	Mu MX	Resultant Moment	phi Pn	phi Vn	phi Tn	phi Mn	Total Deflect	Rotation Sway	Twist	Stress
Elev (ft)	(kips)	(kips)		(ft-kips)	(ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	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		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	5756.9 7	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 0.564
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	0.562
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	0.558
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	0.336
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	0.490
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	0.592
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	0.587
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	0.583
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	0.578
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	0.573
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	0.570
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 -0.496	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	0.568
32.00	-36.16	-25.62	0.00	-2151.4	0.00	2151.46	2850.86	793.53	3832.14	3372.99	1.70 1.92	-0.550	0.000	0.563
34.00	-35.48	-25.39	0.00	-2100.2	0.00	2100.22	2834.95	784.44	3744.93	3315.53	2.16	-0.585	0.000	0.558
36.00	-34.80	-25.15	0.00	-2049.4	0.00	2049.45	2818.65	775.36	3658.72	3258.05	2.10	-0.563	0.000	0.553
38.00	-34.14	-24.91	0.00	-1999.1	0.00	1999.15	2801.96	766.28	3573.52	3200.58	2.68	-0.657	0.000	0.548
40.00	-33.47	-24.67	0.00	-1949.3	0.00	1949.32	2784.89	757.20	3489.32	3143.12 3085.70	2.97	-0.693	0.000	0.543
42.00	-32.82	-24.43	∞ 0.00	-1899.9	0.00	1899.97	2767.43	748.12	3406.12	3028.33	3.26	-0.730	0.000	0.538
44.00	-32.17	-24.19	0.00	-1851.1	0.00	1851.11	2749.58	739.04	3323.93 3242.74	2971.03	3.58	-0.767	0.000	0.533
46.00	-31.53	-23.95	0.00	-1802.7	0.00	1802.72	2731.34	729.96		2913.81	3.91	-0.804	0.000	0.528
48.00	-30.90	-23.71	0.00	-1754.8	0.00	1754.82	2712.72	720.87	3162.56 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
49.00	-30.59	-23.58	0.00	-1731.1	0.00	1731.11	2703.26	716.33	3083.38	2856.68	4.25	-0.842	0.000	0,610
50.00	-30.27	-23.47	0.00	-1707.5	0.00	1707.53	2693.71	711.79 702.71	3005.20	2799.67	4.62	-0.886	0.000	0.605
52.00	-29.65	-23.23	0.00	-1660.5	0.00	1660.59	2674.32	693.63	2928.03	2742.78	5.00	-0.931	0.000	0.601
54.00	-29.03	-22.99	0.00	-1614.1	0.00	1614.13	2654.53	684.55	2851.86	2686.04	5.40	-0.976	0.000	0.596
56.00	-28.42	-22.75		-1568.1	0.00	1568.14	2634.36	675.47		2629.46	5.82		0.000	0.591
58.00	-27.82	-22.51	0.00	-1522.6		1522.64	2613.81	666.39	2702.53	2573.06	6.25	-1.068	0.000	0.586
60.00	-27.22	-22.28	0.00	-1477.6		1477.61	2592.86	657.30	2629.37	2516.85	6.71	-1.115	0.000	0.581
62.00	-26.63	-22.04		-1433.0		1433.06	2571.53	648.22		2460.85	7.19	-1.162	0.000	0.576
64.00	-26.05	-21.79		-1388.9		1388.99	2549.81	644.06	2524.48	2435.25	7.42		0.000	0.573
64.92	-25.79	-21.69		-1369.0	_	1369.01	2539.73	639.14		2405.07	7.69	-1.210	0.000	0.478
66.00	-25.26	-21.56		-1345.5		1345.52	2527.71	630.06		2349.53	8.20	-1:250	0.000	0.472
68.00	-24.31			-1302.4		1302.41	2505.22		2346.78		8.74		0.000	0.466
70.00	-23.38	-21.05		-1259.8		1259.80	2482.34	521.86					0.000	0.510
70.92	-22.95	-20.93		-1240.5		1240.51	1926.34 1918.38		1957.74				0.000	0.567
72.00	-22.68	-20.81		-1217.8		1217.83		517.76					0.000	0.558
74.00	-22.21			-1176.2		1176.21	1903.38 1896.38		1875.17				0.000	0.554
74.92	-21.99	-20.46		-1157.3		1157.36			1875.17				0.000	0.554
74.92	-21.99			-1157.3		1157.36	1896.38 1888.00		1844.95		10.44		0.000	0.549
76.00	-21.73	-20.34	0.00	-1135.1	0.00	1135.19	1000.00	JUZ.UZ						

Structure: CT00252-S-SBA

157.00 (ft)

Site Name: Prospect

Base Elev: 0.000 (ft)

Height:

Code: TIA-222-H

Exposure: В Crest Height: 0.00

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

2400		0.000	(14)				Sile Class.	. D-	2011 201	l				
Gh:		1.1		Тор	ography:	1	Struct Clas	ss: II			Pa	ge: 21	Tower Engineer	ing 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	0.536
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	0.193
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	0.102
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	0.135
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	0.105
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	0.071
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
							000.01	.02.00	200.00	477.11	55.20	-0.001	0.000	0.009

Wind Loading - Shaft

Structure: CT00252-S-SBA

Site Name: Prospect

Height: 1

157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

Code:

TIA-222-H

Exposure: B

Crest Height: 0.00

Site Class: D - Stiff Soil
Struct Class: II

7/7/2023

((H)))
ES
Tower Engineering Solution

Page: 22

Load Case: 0.9D + 1.0W 118 mph Wind

Dead Load Factor

0.90

Topography: 1

Wind Load Factor 1.00



Iterations 24

								Ice	2			Wind	Dead	Tot Dead
Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	(lb)	Load Ice (lb)	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		11.708	11.12	281.7	0.0	581.7
4.00	25	1.00	0.70	23.027	25.33	561.29	0.950	0.000		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		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		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		11.251	10.69	270.7	0.0	558.8
	ot - 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	30 300	1.00		23.027	25.33	539.02	0.950	0.000	0.08	0.467	0.44	11.2		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 R	R1	1.00	0.70	23.027	25.33	527.88	0.950	0.000			10.48	265.6	0.0	1012.0
18.00		1.00	0.70	23.027	25.33	522.32	0.950	0.000		10.922	10.38	262.8	0.0	1001.3
	op - Section 1	1.00	0.70	23.027	25.33	516.75	0.950	0.000		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		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		23.027	25.33	506.34	0.950	0.000		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		23.047	25.35	495.42	0.950	0.000	2.00	10.236	9.72	246.5	0.0	436.0
	op - Section 2	1.00		23.246	25.57	494.99	0.950	0.000	0.92	4.653	4.42	113.0	0.0	198.2
32.00	эр - Occilon 2	1.00		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		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		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		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		25.021	27.52	487.18	0.950	0.000	2.00	9.663	9.18	252.7	0.0	411.4
40.00		1.00		25.372		484.75	0:950	0.000	2.00	9.549	9.07	253.2	0.0	406.5
44.00		1.00		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		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		26.359	28.99	476.21	0.950	0.000	2.00	9.206	8.75	253.6	0.0	391.8
49.00 R)T1	1.00		26.515	29.17	474.63	0.950	0.000	1.00	4.560	4.33	126.3	0.0	194.1
50.00	KI I	1.00		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		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		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		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		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		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		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		28.617	31.48	446.54	0.950	0.000	2.00	8.290	7.88	247.9	0.0	352.6
	ot - Section 4	1.00		28.734	31.61	444.59	0.950	0.000	0.92	3.761	3.57	112.9	0.0	160.0
66.00 R		1.00		28.870	31.76	442.27	0.950	0.000	1.08	4.473	4.25	134.9	0.0	346.4
	ND2	1.00		29.117		437.90	0.950	0.000	2.00	8.169	7.76	248.6	0.0	632.6
68.00		1.00		29.359	32.30	433.43	0.950	0.000	2.00	8.055	7.65	247.1	0.0	623.6
70.00	on Section 2	1.00		29.469	32.42			0.000	0.92		3.47	112.5	0.0	282.8
	op - Section 3	1.00		29.596	32.56	434.81	0.950	0.000	1.08	4.287	4.07	132.6	0.0	152.1
72.00		1.00		29.829	32.81	430.18	0.950	0.000	2.00		7.43	243.9	0.0	277.6
74.00	Cartion 1	1.00		29.934		428.03	0.950	0.000	0.92		3.37	111.0	0.0	125.9
	op - Section 4	1.00		30.057	33.06	425.46	0.950	0.000	1.08	4.163	3.95	130.8	0.0	147.7
76.00		1.00		30.281	33.31	420.66		0.000	2.00		7.22	240.4	0.0	269.4
78.00		1.00		30.501	33.55	415.78		0.000	2.00		7.11	238.5	0.0	265.3
80.00		1.00	0.83	30.301	55.55	, , , , , ,			U.C. All rich					

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Wind Loading - Shaft

Structure: CT00252-S-SBA

Site Name: Prospect

Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Code: TIA-222-H

Exposure: В

Crest Height: 0.00

Site Class: D - Stiff Soil



7/7/2023

Base Liev: 0.000 (II	-,	Site Class:					7 - Sun Sc	m				
Gh: 1.1		Topography:	1	Sti	ruct C	lass: Ii				Page: 23	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		35.23	377.08	0.950	0.000	0.92	3.064	2.91	102.5	0.0	194.1
96,00	1.00		35.35	379.09	0.950	0.000	1.08	3.590	3.41	120.5	0.0	101.9
98.00	1.00		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		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		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		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	80.0	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		37.31	321.91	0.950	0.000	2.00	5.509	5.23	195.3	0.0	156.2
118.00	1.00		37.49	315.92	0.950	0.000	2.00	5.395	5.12	192.1	0.0	152.9
120.00	1.00		37.67	309.89	0.950	0.000	2.00	5.280	5.02	189.0	0.0	149.6
122.00	1.00		37.85	303.82	0.950	0.000	2.00	5.166	4.91	185.7	0.0	146.4
124.00	1.00		38.03	297.70	0.950	0.000	2.00	5.051	4.80	182.5	0.0	143.1
126.00	1.00		38.20	291.55	0.950	0.000	2.00	4.937	4.69	179.2	0.0	139.8
128.00	1.00		38.37	285.35	0.950	0.000	2.00	4.822	4.58	175.8	0.0	136.6
130.00	1.00		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		38.71	272.84	0.950	0.000	2.00	4.593	4.36	168.9	0.0	130.0
134.00	1.00		38.88	266.53	0.950	0.000	2.00	4.479	4.26	165.4	0.0	126.8
136.00	1.00		39.04	260.18	0.950	0.000	2.00	4.365	4.15	161.9	0.0	123.5
138.00	1.00		39.21	253.80	0.950	0.000	2.00	4.250	4.04	158.3	0.0	120.2
140.00	1.00		39.37	247.38	0.950	0.000	2.00	4.136	3.93	154.7	0.0	116.9
142.00	1.00		39.53	240.93	0.950	0.000	2.00	4.021	3.82	151.0	0.0	113.7
144.00	1.00		39.69	234.44	0.950	0.000	2.00	3.907	3.71	147.3	0.0	110.4
146.00	1.00		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		39.92	224.65	0.950	0.000	1.00	1.853	1.76	70.3	0.0	52.3
148.00	1.00		40.00	221.37	0.950	0.000	1.00	1.825	1.73	69.3	0.0	51.5
150.00	1.00		40.15	214.78	0.950	0.000	2.00	3.564	3.39	135.9	0.0	100.6
152.00	1.00		40.30	208.17	0.950	0.000	2.00	3.449	3.28	132.1	0.0	97.3
154.00	1.00		40.45	201.52	0.950	0.000	2.00	3.335	3.17	128.2	0.0	94.1
156.00	1.00		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

CT00252-S-SBA Structure:

Site Name: Prospect 157.00 (ft) Height:

Base Elev: 0.000 (ft)

Gh: 1.1

Topography: 1

Code: TIA-222-H

Exposure: Crest Height: 0.00

D - Stiff Soil Site Class:

Struct Class: ||

7/7/2023

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Page: 24

Load Case: 0.9D + 1.0W 118 mph Wind

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



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)
	17	6	36.981	40.679	0.93	1.00	9.32	167.40	0.000	0.000	379.07	0.00	0.00
1	157.00 Powerwave LGP21901 157.00 Andrew - SBNH-1D6565	_	37.081	40.789	0.80	1.00	27.53	178.47	0.000	1.500	1122.85	0.00	1684.27
2		3	36.981	40.679	0.89	1.00	29.96	186.30	0.000	0.000	1218.62	0.00	0.00
3	157.00 Cci HPA65R-BU8A	3	36.981	40.679	0.79	1.00	12.21	119.07	0.000	0.000	496.50	0.00	0.00
4	157.00 Kathrein 800-10121	3	36.981	40.679	0.56	0.75	31.27	1247.40	0.000	0.000	1271.99	0.00	0.00
5	157.00 Sabre C10-857-804 157.00 CCI DTMABP7819VG12		36.981	40.679	0.67	1.00	4.58	103.68	0.000	0.000	186.42	0.00	0.00
6		1	37.214	40.936	1.00	1.00	1.05	31.50	0.000	3.500	42.98	0.00	150.44
7	157.00 Lightning Rod	· ·	36.981	40.679	0.50	1.00	0.54	6.48	0.000	0.000	21.97	0.00	0.00
8	157.00 Kathrein 860 10025 RET 157.00 Ericsson RRUS-11 RRU	_	36.981	40.679	0.50	1.00	3.78	137.70	0.000	0.000	153.77	0.00	0.00
9	157.00 Ericsson RRUS-11 RRU 157.00 Ericsson RRUS 4415 B2	_	36.981	40.679	0.50	1.00	2.46	124.20	0.000	0.000	100.07	0.00	0.00
10			36.981	40.679	1.00	1.00	1.84	57.24	0.000	0.000	74.85	0.00	0.00
11	157.00 Raycap DC6-48-60-18-8		37.014	40.716	1.00	1.00	0.13	4.50	0.000	0.500	5.29	0.00	2.65
12	157.00 Nokia CS72188.01 LMU	3		39.921	0.56	0.75	29.53	1350.00	0.000	0.000	1178.91	0.00	0.00
13	147.00 Sector Frame	9	36.292		0.54	0.80	21.80	216.27	0.000	0.000	870.45	0.00	0.00
14	147.00 Allgan ALP9212	6	35.193	38.712	0.68	0.75	17.54	64.80	0.000	0.000	678.87	0.00	0.00
15	132.00 DB844G65ZAXY	3	35.193		0.52	0.75	7.39	214.38	0.000	0.000	285.96	0.00	0.00
16	132.00 MT6407-77A	1	35.193	38.712	1.00	1.00	25.00	1350.00	0.000	0.000	967.80	0.00	0.00
17	132.00 14' LP Platform	6	35.193	38.712	0.50	0.75	3.59	35.64	0.000	0.000	138.89	0.00	0.00
18	132.00 BSF0020F3V1-1	1	35.193		0.75	0.75	0.75	9.00	0.000	0.000	29.03	0.00	0.00
19	132.00 GPS 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
20		1	35.193	38.712	1.00	1.00	2.50	198.00	0.000	0.000	96.78	0.00	0.00
21	132.00 Collar Mount (3-Sided)	3	35.193	•	0.38	0.75	2.10	201.69	0.000	0.000	81.44	0.00	0.00
22	132.00 Samsung		35.193		0.75	0.75	3.04	28.80	0.000	0.000	117.88	0.00	0.00
23	132.00 RFS DB-C1-12C-24AB-0	3	35.193	38.712	0.38	0.75	2.10	189.89	0.000	0.000	81.44	0.00	0.00
24	132.00 Samsung	1	35.193		1.00	1.00	6.75	235.55	0.000	0.000	261.31	0.00	0.00
25	132.00 HRK12 (Handrail Kit)	1	35.193		1.00	1.00	6.30	177.30	0.000	0.000	243.88	0.00	0.00
26	132.00 (3) SFS-H (V-Braces)	3	32.509	35.760	1.00	1.00	12.93	234.90	0.000	0.000	462.37	0.00	0.00
27	100.00 15'x2.875"mount pipe	3	32.509	35.760	0.72	1.00	11.06	59.40	0.000	0.000	395.47	0.00	0.00
_28	100.00 742 213		52.503	55.766	V,1 Z	Totals		7 203 34			2.133.15		

Totals:

7,203.34

12,133.15

Total Applied Force Summary

Structure: CT00252-S-SBA

Site Name: Prospect Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh:

1.1

Code:

TIA-222-H

Exposure:

В Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/7/2023

Page: 25

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Iterations 24

Load Case: 0.9D + 1.0W 118 mph Wind

Topography: 1

Dead Load Factor 0.90 Wind Load Factor 1.00

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-)	Torsion MY	Moment MZ	
	Description		(lb)	(lb-ft)	(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	181
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		
58.00		251.02	441.94	0.00	0.00	
60.00		250.11	437.03	0.00	0.00	
62.00		249.07	437.03	0.00	0.00	
64.00		247.92	432.⊺3 427.22		0.00	
64.92		112.94	427.22 194.17	0.00	0.00	
66.00		134.94		0.00	0.00	
68.00		248,57	386.87	0.00	0.00	
70.00		247.12	707.29	0.00	0.00	
70.92		112.51	698.29	0.00	0.00	
72.00		132.58	317.05	0.00	0.00	0
74.00			192.52	0.00	0.00	
74.92		243.94	352.26	0.00	0.00	
74.92 76.00		111.00	160.09	0.00	0.00	
78.00 78.00		130.75	188.09	0.00	0.00	
80.00		240.40	344.09	0.00	0.00	
00.00		238.49	340.00	0.00	0.00	

Total Applied Force Summary

CT00252-S-SBA Structure:

Code:

TIA-222-H

7/7/2023

Exposure:

В

Height:

Site Name: Prospect

157.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class:

D - Stiff Soil

Page: 26

((開))

Base E	lev: 0.000 (it)				"
Gh:	1.1	Тор	ography: 1	Struct	
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	(00) attachments	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	(12) attaonments	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
107.00	Totals:	29,496.65	38,601.54	0.00	1,837.36
		,	-		

Structure: CT00252-S-SBA

Site Name: Prospect

Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code: TIA-222-H

Exposure: В Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: II

Page: 27



Load Case: 0.9D + 1.0W 118 mph Wind

Topography: 1

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



Iterations

24

Тор			_		Exposed				Cf			Dood
Elev	Dec 1.0	Wind	Length		Width	Area	CaAa	W)	Adjust	qz	FΧ	Dead Load
(ft)	Description	Exposed	(ft)	Ca	(in)	(sqft)	(sqft)	Ra	Factor	(psf)	(lb)	(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	0.00
	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.049	0.000	23.246	0.00	0.23
30.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.049	0.000	23.246	0.00	
	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.050	0.000	23.476	0.00	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	
32.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.050	0.000	23.476	0.00	1.01 0.00
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.050	0.000	23.886	0.00	
						0.00	0.00	0.000	0.000	25,000	0.00	0.49

CT00252-S-SBA Structure:

Site Name: Prospect 157.00 (ft) Height:

Base Elev: 0.000 (ft)

Gh:

1.1

Code:

TIA-222-H

Exposure: В

Crest Height: 0.00

D - Stiff Soil Site Class:

Struct Class: II

7/7/2023

Page: 28

Load Case: 0.9D + 1.0W 118 mph Wind

Topography: 1

Dead Load Factor 0.90 1.00 Wind Load Factor



24 Iterations

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
		Yes	2.00	0.000	0.63	0.10	0.00	0.050	0.000	23.886	0.00	1.87
34.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.050	0.000	23.886	0.00	0.00
34.00	1" Reinforcing plate 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	• •	Yes	2.00	0.000	2.00	0.33	0.00	0.051	0.000	24.279	0.00	0.00
36.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.051	0.000	24.657	0.00	0.49
38.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.051	0.000	24.657	0.00	1.87
38.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.051	0.000	24,657	0.00	0.00
38.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.052	0.000	25.021	0.00	0.49
40.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.052	0.000	25.021	0.00	1.87
40.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.052	0.000	25.021	0.00	0.00
40.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.053	0.000	25.372	0.00	0.49
42.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.053	0.000	25.372	0.00	1.87
42.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.053	0.000	25.372	0.00	0.00
42.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.053	0.000	25.712	0.00	0.49
44.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.053	0.000	25.712	0.00	1.87
44.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.053	0.000	25.712	0.00	0.00
44.00	1" Reinforcing plate		2.00	0.000	0.38	0.06	0.00	0.054	0.000	26.040	0.00	0.49
46.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.054	0.000	26.040	0.00	1.87
46.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0,33	0.00	0.054	0.000	26.040	0.00	0.00
46.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.054	0.000	26.359	0.00	0.49
48.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.054	0.000	26.359	0.00	1.87
48.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.054	0.000	26.359	0.00	0.00
48.00	1" Reinforcing plate	Yes	1.00	0.000	0.38	0.03	0.00	0.055	0.000	26.515	0.00	0.25
49.00	Safety Cable	Yes	1.00	0.000	0.63	0.05	0.00	0.055	0.000	26.515	0.00	0.94
49.00	Step bolts (ladder)	Yes	1.00	0.000	2.00	0.17	0.00	0.055	0.000	26.515	0.00	0.00
49.00	1" Reinforcing plate	Yes	1.00	0.000	0.38	0.03	0.00	0.055	0.000	26.668	0.00	0.25
50.00	Safety Cable	Yes	1.00	0.000	0.63	0.05	0.00	0.055	0.000	26.668	0.00	0.94
50.00	Step bolts (ladder)	Yes	1.00	0.000	2.00	0.17	0.00	0.055	0.000	26.668	0.00	0.00
50.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	26.969	0.00	0.49
52.00	·	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	26.969	0.00	1.87
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	27.261	0.00	0.49
54.00	Safety Cable	Yes		0.000	0.63	0.10	0.00	0.019	0.000	27.261	0.00	1.87
54.00	, ,	Yes	2.00 2.00	0.000	0.38	0.06	0.00	0.019	0.000	27.546	0.00	0.49
56.00	•	Yes		0.000	0.63	0.10	0.00	0.019	0.000	27.546	0.00	1.87
56.00	•	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	27.823	0.00	0.49
58.00	•	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	27.823	0.00	1.87
58.00		Yes	2.00	0.000	0.03	0.06	0.00	0.020	0.000	28.094	0.00	0.49
60.00	•	Yes	2.00	0.000		0.10	0.00	0.020	0.000	28.094	0.00	1.87
60.00	Step bolts (ladder)	Yes	2.00			0.06	0.00	0.020	0.000	28.359	0.00	0.49
	Safety Cable	Yes	2.00	0.000		0.00	0.00	0.020	0.000	28.359	0.00	1.87
	Step bolts (ladder)	Yes	2.00	0.000		0.10	0.00	0.020	0.000	28.617	0.00	0.49
	Safety Cable	Yes	2.00	0.000		0.10	0.00	0.020	0.000	28.617	0.00	1.87
	Step bolts (ladder)	Yes	2.00	0.000		0.10	0.00	0.020	0.000	28.734	0.00	0.23
	Safety Cable	Yes	0.92	0.000		0.05	0.00	0.021	0.000	28.734	0.00	0.86
	Step bolts (ladder)	Yes	0.92	0.000		0.03	0.00	0.058	0.000	28.870	0.00	0.27
	Safety Cable	Yes	1.08	0.000		0.05	0.00	0.058	0.000	28.870	0.00	1.01
66.00	Step bolts (ladder)	Yes	1.08	0.000	0.03		0.00					

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Structure: CT00252-S-SBA

Site Name: Prospect Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code: TIA-222-H

Exposure: В Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/7/2023

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Page: 29

Load Case: 0.9D + 1.0W 118 mph Wind

Topography: 1

Dead Load Factor 0.90 Wind Load Factor 1.00



Iterations

24

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Top Elev		Wind	Lanath		Exposed	A	0		Cf			Dead
(ft)	Description	Exposed	Length (ft)	Ca	Width (in)	Area (sqft)	CaAa (sqft)	Ra	Adjust Factor	qz (psf)	F X	Load
66.00	1" Reinforcing plate	V									(lb)	(lb)
68.00	Safety Cable	Yes	1.00	0.000	2.00	0.17	0.00	0.058	0.000	28.870	0.00	0.00
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.062	0.000	29.117	0.00	0.49
68.00	1" Reinforcing plate	Yes	2.00	0.000	0.63	0.10	0.00	0.062	0.000	29.117	0.00	1.87
70.00	Safety Cable	Yes	2.00	0.000	2.00	0.33	0.00	0.062	0.000	29.117	0.00	0.00
70.00	•	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
70.92	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 Step bolts (ladder)	Yes	0.92	0.000	0.38	0.03	0.00	0.064	0.000	29.469	0.00	0.23
70.92	. , ,	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
	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		Yes	0.92	0.000	0.38	0.03	0.00	0.065	0.000	29.934	0.00	0.23
74.92	1 1	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
	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	80.0	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	0.02
90.00	1" Reinforcing plate	Yes	80.0	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
						0.00	0.00	0.014	0.000	91.799	0.00	0.49

CT00252-S-SBA Structure:

157.00 (ft)

Code:

Topography: 1

В Exposure: Crest Height: 0.00

D - Stiff Soil Site Class:

TIA-222-H

Struct Class: ||

Page: 30



1.1

Site Name: Prospect

Base Elev: 0.000 (ft)

Height:

Gh:

Load Case: 0.9D + 1.0W 118 mph Wind

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



Iterations

24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Са	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
		Yes	2.00	0.000	0.63	0.10	0.00	0.074	0.000	31.744	0.00	1.87
92.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.074	0.000	31.744	0.00	0.00
92.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.075	0.000	31.939	0.00	0.49
94.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.075	0.000	31.939	0.00	1.87
94.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.075	0.000	31.939	0.00	0.00
94.00	1" Reinforcing plate	Yes	0.92	0.000	0.38	0.03	0.00	0.076	0.000	32.028	0.00	0.23
94.92	•	Yes	0.92	0,000	0.63	0.05	0.00	0.076	0.000	32.028	0.00	0.86
94.92	Step bolts (ladder)	Yes	0.92	0.000	2.00	0.15	0.00	0.076	0.000	32.028	0.00	0.00
94.92	1" Reinforcing plate	Yes	1.08	0.000	0.38	0.03	0.00	0.076	0.000	32.132	0.00	0.27
96.00	Safety Cable	Yes	1.08	0.000	0.63	0.06	0.00	0.076	0.000	32.132	0.00	1.01
96.00	Step bolts (ladder)	Yes	1.08	0.000	2.00	0.18	0.00	0.076	0.000	32.132	0.00	0.00
96.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.077	0.000	32.322	0.00	0.49
98.00	Safety Cable		2.00	0.000	0.63	0.10	0.00	0.077	0.000	32.322	0.00	1.87
98.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.077	0.000	32.322	0.00	0.00
98.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.078	0.000	32.509	0.00	0.49
100.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.078	0.000	32.509	0.00	1.87
100.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.078	0.000	32.509	0.00	0.00
100.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.080	0.000	32.693	0.00	0.49
102.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.080	0.000	32.693	0.00	1.87
102.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.080	0.000	32.693	0.00	0.00
102.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.081	0.000	32.875	0.00	0.49
104.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.081	0.000	32.875	0.00	1.87
104.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.081	0.000	32.875	0.00	0.00
104.00	1" Reinforcing plate	Yes		0.000	0.38	0.06	0.00	0.082	0.000	33.055	0.00	0.49
106.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.082	0.000	33.055	0.00	1.87
106.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.082	0.000	33.055	0.00	0.00
106.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.084	0.000	33.232	0.00	0.49
108.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.084	0.000	33.232	0.00	1.87
108.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.084	0.000	33.232	0.00	0.00
108.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.03	0.00	0.085	0.000	33.319	0.00	0.25
109.00	•	Yes	1.00	0.000	0.63	0.05	0.00	0.085	0.000	33.319	0.00	0.94
109.00	Step bolts (ladder)	Yes	1.00		2.00	0.17	0.00	0.085	0.000	33.319	0.00	0.00
109.00	1" Reinforcing plate	Yes	1.00	0.000	0.38	0.03	0.00	0.086	0.000	33.399	0.00	0.23
109.92	Safety Cable	Yes	0.92	0.000	0.63	0.05	0.00	0.086	0.000	33.399	0.00	0.86
109.92	Step bolts (ladder)	Yes	0.92	0.000	2.00	0.15	0.00	0.086	0.000	33.399	0.00	0.00
109.92	1" Reinforcing plate	Yes	0.92	0.000	0.38	0.00	0.00	0.087	0.000	33.406	0.00	0.02
110.00	•	Yes	0.08	0.000	0.58	0.00	0.00	0.087	0.000	33.406	0.00	0.08
110.00		Yes	0.08	0.000	2.00	0.00	0.00	0.087	0.000	33.406	0.00	0.00
110.00		Yes	0.08	0.000	0.38	0.01	0.00	0.029	0.000	33.579	0.00	0.49
	Safety Cable	Yes	2.00	0.000		0.00	0.00	0.029	0.000	33.579	0.00	1.87
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.030	0.000	33.749	0.00	0.49
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.030	0.000	33.749	0.00	1.87
	Step bolts (ladder)	Yes	2.00	0.000	0.63		0.00	0.030	0.000	33,917	0.00	0.49
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	33.917	0.00	1.87
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	34.083	0.00	0.49
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	34.083	0.00	1.87
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	34.247	0.00	0.49
120.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00					

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Structure: CT00252-S-SBA

Site Name: Prospect Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

157.00 Step bolts (ladder)

Yes

1.00

0.000

Topography: 1

Code:

TIA-222-H

Exposure: В

Crest Height: 0.00 Site Class:

D - Stiff Soil

Struct Class: II

7/7/2023

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24

Page: 31

Iterations

Load Case: 0.9D + 1.0W 118 mph Wind

Dead Load Factor

0.90

Wind Load Factor 1.00

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (Ib)
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 boits (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
										-0.00	0.00	0.20

0.63

0.05

0.00

0.054

0.000

36.981

Totals:

0.00

0.0

0.94

185.5

CT00252-S-SBA Structure:

Site Name: Prospect 157.00 (ft) Height:

Base Elev: 0.000 (ft)

Gh: 1.1

TIA-222-H Code:

В **Exposure:** Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: II

7/7/2023

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Page: 32

24 **Iterations**

Load Case: 0.9D + 1.0W 118 mph Wind

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

Topography: 1

L					Mari	Resultant	phi	phi	phi	phi	Total	Rotation	Rotation	
Seg	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	Mu MX	Moment	Pn	Vn	Tn	Mn	Deflect	Sway	Twist	Stress
Elev (ft)	(kips)		(ft-kips)	227 0.5 74	(ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	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		-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		-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		-2451.8	0.00	2451.84	2938.21	848.02	4376.49	3716.58	0.66	-0.311	0.000	0.533
	-29.71	-26.72		-2397.9	0.00	2397.91	2924.62	838.93	4283.25	3659.53	0.79	-0.341	0.000	0.585
22.00	-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
24.00	-28.63	-26.24		-2291.5	0.00	2291.52	2896.28	820.77	4099.80	3545.13	1.11	-0.408	0.000	0.576
26.00		-26.00		-2239.0	0.00	2239.04	2881.53	811.69	4009.57	3487.80	1.29	-0.442	0.000	0.571
28.00	-28.10	-25.76		-2187.0	0.00	2187.04	2866.39	802.61	3920.36	3430,42	1.48	-0.476	0.000	0.566
30.00	-27.58	-25.66		-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			-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		-2135.6	0.00	2135.63	2850.86	793.53	3832.14	3372.99	1.69	-0.511	0.000	0.561
32.00	-27.06	-25.53		-2084.5	0.00	2084.56	2834.95	784.44	3744.93	3315.53	1.91	-0.546	0.000	0.556
34.00	-26.55	-25.30		-2033.9	0.00	2033.97	2818.65	775.36	3658.72	3258.05	2.15	-0.581	0.000	0.551
36.00	-26.04	-25.06			0.00	1983.86	2801.96	766.28	3573.52	3200.58	2.40	-0.617	0.000	0.546
38.00	-25.53	-24.81	0.00	-1983.8	0.00	1934.23	2784.89	757.20	3489.32	3143.12	2.66	-0.652	0.000	0.541
40.00	-25.04	-24.57		-1934.2	0.00	1885.09	2767.43	748.12	3406.12	3085.70	2.95	-0.689	0.000	0.536
42.00	-24.54	-24.33		-1885.0	0.00	1836.43	2749.58	739.04	3323.93	3028.33	3.24	-0.725	0.000	0.531
44.00	-24.05	-24.09		-1836.4	0.00	1788.26	2731.34	729.96	3242.74	2971.03	3.55	-0.762	0.000	0.526
46.00	-23.57	-23.84		-1788.2		1740.58	2712.72	720.87	3162.56	2913.81	3.88	-0.799	0.000	0.521
48.00	-23.10	-23.59		-1740.5	0.00	1740.98	2703.26	716.33	3122.84	2885.23	4.05	-0.817	0.000	0.519
49.00	-22.86	-23.47		-1716.9	0.00	1716.99	2703.26	716.33	3122.84	2885.23	4.05	-0.817	0.000	0.602
49.00	-22.86	-23.47		-1716.9	0.00	1693.52	2693.71	711.79	3083.38	2856.68	4.23	-0.836	0.000	0.602
50.00	-22.62	-23.35		-1693.5			2674.32	702.71	3005.20	2799.67	4.59	-0.880	0.000	0.598
52.00	-22.15	-23.11		-1646.8	0.00	1646.81	2654.53	693.63	2928.03	2742.78	4.96	-0.924	0.000	0.593
54.00	-21.68	-22.87		-1600.5	0.00	1600.59	2634.36	684.55	2851.86	2686.04	5.36	-0.969	0.000	0.588
56.00	-21.22	-22.62		-1554.8	0.00	1554.86	2613.81	675.47	2776.69	2629.46	5.78	-1.015	0.000	0.583
58.00	-20.77	-22.38		-1509.6		1509.61	2592.86	666.39	2702.53	2573.06	6.21	-1.060	0.000	0.578
60.00	-20.32	-22.14	0.00	-1464.8		1464.85		657.30	2629.37	2516.85	6.67	-1.106	0.000	0.573
62.00	-19.87	-21.90	0.00	-1420.5	0.00	1420.56	2571.53		2557.22	2460.85	7.14		0.000	0.568
64.00	-19.44	-21.66	0.00	-1376.7		1376.77	2549.81	648.22		2435.25	7.36	-1.175	0.000	0.566
64.92	-19.23	-21.55		-1356.9	0.00	1356.92	2539.73	644.06	2524.48	2405.07	7.63	-1.201	0.000	0.472
66.00	-18.84	-21.41		-1333.5		1333.57	2527.71	639.14	2486.07		8.15		0.000	0.466
68.00		-21.16		-1290.7		1290.75	2505.22	630.06		2349.53 2294.24			0.000	0.460
70.00		-20.91		-1248.4		1248.42	2482.34	620.98			8.67 8.92		0.000	0.504
70.92		-20.80		-1229.2		1229.25	1926.34	521.86	1988.87				0.000	0.559
72.00	-16.89			-1206.7	0.00	1206.72	1918.38	517.76	1957.74				0.000	0.551
74.00		-20.43	0.00	-1165.3	0.00	1165.39	1903.38	510.19		1736.57			0.000	0.547
74.92		-20.32		-1146.6	0.00	1146.66	1896.38		1875.17				0.000	0.547
74.92		-20.32		-1146.6	0.00	1146.66	1896.38		1875.17				0.000	0.542
76.00		-20.19		-1124.6	0.00	1124.65	1888.00	502.62	1844.95	าช.ฮย.ฮา	10.37	-1.414	0.000	U.UTL

Structure: CT00252-S-SBA

Site Name: Prospect Height: 157.00 (ft) Base Elev: 0.000 (ft)

Code: TIA-222-H

Exposure: В Crest Height: 0.00

Site Class: D - Stiff Soil

Gh: 1.1

7/7/2023

Gh:		1.1		Тор	ography:	1	Struct Cla	ss:			Pa	ge: 33	Tower Enginee	ring Solutions
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		-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		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			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		-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		-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		-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		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		-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		-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		-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		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		-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
108.00 109.00		-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 -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	-10.37	-15.55 -15.54	0.00	-510.52	0.00	510.52	1171.54	304.56	846.77	797.19	23.30	-2.253	0.000	0.652
112.00		-15.35	0.00	-509.22	0.00	509.22	1170.98	304.31	845,36	796.14	23.34	-2.256	0.000	0.651
114.00	-9.88	-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
116.00	-9.65	-14.96	0.00	-447.44 -417.14	0.00	447.44	1143.06	292.20	779.43	746.01	25.29	-2.403	0.000	0.611
118.00	-9.43	-14.90	0.00	-417.14 -387.21	0.00	417.14	1128.52	286.15	747.46	721.14	26.32	-2.476	0.000	0.590
120.00	-9.43 -9.20	-14.77	0.00	-367.21 -357.67	0.00	387.21	1113.60	280.09	716.17	696.43	27.37	-2.549	0.000	0.567
122.00	-8.99	-14.40	0.00	-328.51	0.00	357.67	1098.28	274.04	685.54	671.88	28.45	-2.620	0.000	0.544
124.00	-8.77	-14.22	0.00	-328.51	0.00 0.00	328.51	1082.58	267.98	655.59	647.53	29.57	-2.690	0.000	0.519
126.00		-14.04	0.00	-233.71	0.00	299.71	1066.50	261.93	626.30	623.37	30.71	-2.759	0.000	0.492
128.00		-13.86	0.00	-243.19	0.00	271.27 243.19	1050.02	255.88	597.68	599.43	31.88	-2.826	0.000	0.464
130.00	-8.15	-13.69	0.00	-215.47	0.00	245.19	1033.16 1015.91	249.82	569.73	575.73	33.08	-2.891	0.000	0.434
132.00	-5.20	-9.21	0.00	-188.09	0.00	188.09	998.40	243.77	542.45	552.28	34.30	-2.953	0.000	0.401
134.00	-5.03	-9.05	0.00	-169.66	0.00	169.66	972.97	237.71	515.84	529.15	35.55	-3.011	0.000	0.362
136.00	-4.87	-8.88		-151.57	0.00	151.57	947.54	231.66 225.60	489.90 464.63	502.41	36.83	-3.067	0.000	0.344
138.00	-4.71	-8.72		-133.81	0.00	133.81	922.11	219.55	440.03	476.37	38.12	-3.122	0.000	0.325
140.00	-4.56	-8.56	0.00	-116.38	0.00	116.38	896.68	213.50	416.09	451.02 426.36	39.44 40.78	-3.174	0.000	0.303
142.00	-4.41	-8.40	0.00	-99.26	0.00	99.26	871.26	207.44	392.83	402.40	40.76	-3.224	0.000	0.280
144.00	-4.26	-8.25	0.00	-82.46	0.00	82.46	845.83	201.39	370.23	379.13	42.14 43.52	-3.271	0.000	0.253
146.00	-4.12	-8.10	0.00	-65.96	0.00	65.96	820.40	195.33	348.31	356.55	43.52 44.92	-3.313	0.000	0.224
147.00	-2.61	-5.89	0.00	-57.86	0.00	57.86	807.68	192.31	337.59	345.53	44.92 45.62	-3.352 -3.369	0.000	0.192
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	0.172
150.00	-2.43	-5.67	0.00	-40.34	0.00	40.34	769.54	183.22	306.46	313.48	46.33	-3.414	0.000	0.159
152.00	-2.32	-5.54	0.00	-28.99	0.00	28.99	744.11	177.17	286.54	292.98	47.75 49.19	-3.414 -3.438	0.000 0.000	0.133
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	0.103
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	0.070 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	0.032
						,	555.07	102.00	200.00	477.11	52.0	-0.400	0.000	0.009

Wind Loading - Shaft

CT00252-S-SBA Structure:

Site Name: Prospect

157.00 (ft) Height:

Base Elev: 0.000 (ft)

1.1 Gh:

Code:

TIA-222-H

В **Exposure:**

Crest Height: 0.00 D - Stiff Soil Site Class:

Struct Class: II

7/7/2023

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Page: 34

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

Topography: 1

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



Iterations

23

Tot

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 (Ib)	Dead Load (lb)
-	Description.		0.70	4.134	4.55	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
0.00		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
2.00		1.00		4.134	4.55	0.00	1.200	0.810		11.864	14.24	64.7	142.0	910.0
4.00		1.00	0.70	4.134	4.55	0.00	1.200	0.843		11.760	14.11	64.2	146.5	906.9
6.00		1.00	0.70	4.134	4.55	0.00	1.200	0.868		11.654	13.99	63.6	149.4	902.1
8.00		1.00	0.70	4.134	4.55	0.00	1.200	0.887		11.546	13.86	63.0	151.2	896.4
10.00		1.00	0.70	4.134	4.55	0.00	1.200	0.903		10.963	13.16	59.8	146.1	853.0
	- Section 2	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
12.00		1.00	0.70		4.55	0.00	1.200	0.918		11.457	13.75	62.5	155.1	1518.6
14.00		1.00	0.70	4.134 4.134	4.55	0.00	1.200	0.930		11.347	13.62	61.9	155.6	1504.9
16.00 RB	1	1.00	0.70		4.55	0.00	1.200	0.941		11.236	13.48	61.3	155.9	1491.0
18.00		1.00	0.70	4.134		0.00	1.200	0.951		11.125	13.35	60.7	155.9	1476.9
20.00 Top	- Section 1	1.00	0.70	4.134	4.55 4.55	0.00	1.200	0.960		11.013	13.22	60.1	155.8	763.2
22.00		1.00	0.70	4.134		0.00	1.200	0.969		10.902	13.08	59.5	155.5	756.4
24.00		1.00	0.70	4.134	4.55	0.00	1.200	0.976		10.790	12.95	58.9	155.1	749.4
26.00		1.00	0.70	4.134	4.55	0.00	1.200	0.984		10.678	12.81	58.3		742.4
28.00		1.00	0.70	4.134	4.55	0.00	1.200	0.991		10.566	12.68	57.7		735.2
30.00		1.00	0.70	4.138	4.55	0.00	1.200	0.994	0.92	4.805	5.77	26.5		334.7
30.92 Top	- Section 2	1.00	0.71	4.174	4.59		1.200	0.997	1.08	5.648	6.78	31.4		393.5
32.00		1.00	0.71	4.215	4.64	0.00	1.200	1.003		10.341	12.41	58.5		720.7
34.00		1.00	0.73	4.289	4.72	0.00	1.200	1.009		10.229	12.27	58.9		713.3
36.00		1.00	0.74	4.359	4.80	0.00	1.200	1.014		10.116	12.14	59.1		705.8
38.00		1.00	0.75	4.427	4.87	0.00	1.200			10.003	12.00	59.3		698.3
40.00		1.00	0.76	4.492	4.94	0.00		1.019	2.00	9.890	11.87	59.5		690.8
42.00		1.00	0.77	4.555	5.01	0.00	1.200	1.024	2.00	9.778	11.73			683.2
44.00		1.00	0.78	4.616	5.08	0.00	1.200	1.029	2.00	9.665	11.60	59.6		675.5
46.00		1.00	0.79	4.675	5.14	0.00	1.200	1.034	2.00		11.46			667.8
48.00		1.00	0.80	4.733	5.21	0.00	1.200	1.038			5.68	29.7		331.2
49.00 RT	1	1.00	0.81	4.761	5.24	0.00	1.200	1.040	1.00		5.65	29.7		329.2
50.00		1.00	0.81	4.788	5.27	0.00	1.200	1.042	1.00		11.19			652.3
52.00		1.00	0.82	4.842	5.33	0.00	1.200	1.047	2.00					644.6
54.00		1.00	0.83	4.895	5.38		1.200	1.050	2.00		11.06			636.7
56.00		1.00	0.84	4.946	5.44		1.200	1.054	2.00		10.92	59.4		628.9
58.00		1.00	0.85	4.996	5.50		1.200	1.058	2.00		10.78			621.0
60.00		1.00	0.85	5.044	5.55		1.200	1.062	2.00		10.65	58.9		613.1
62.00		1.00	0.86	5.092	5.60		1.200	1.065	2.00		10.51			605.1
64.00		1.00	0.87	5.138	5.65		1.200	1.068	2.00		10.38	58.6		274.9
	t - Section 4	1.00	0.87	5.159	5.67		1.200	1.070			4.71	26.7		535.2
66.00 RE		1.00	0.88	5.183	5.70		1.200	1.072			5.60			977.4
68.00		1.00	0.89	5.228	5.75	0.00	1.200	1.075			10.23			964.0
70.00		1.00	0.89	5.271	5.80		1.200	1.078			10.10	58.5		437.5
	p - Section 3	1.00	0.90	5.291	5.82		1.200	1.080		3.818	4.58			
72.00		1.00	0.90		5.85		1.200	1.081						273.7 499.6
74.00		1.00	0.91	5.356	5.89		1.200	1.084						
	p - Section 4	1.00	0.91	5.375	5.91		1.200	1.085						226.9
76.00	D D D D D D D D D D	1.00	0.91	5.397	5.94		1.200	1.087						266.2
78.00		1.00	0.92	5.437	5.98	0.00	1.200	1.090						485.7 4 7 9.7
80.00		1.00		5.476		0.00	1.200	1.093	2.00	7.847	9.42	56.7	124.9	478.7
00.00						wer Engine	ering S	olutions,	LLC. All righ	its reserv	ed.			

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Wind Loading - Shaft

Structure: CT00252-S-SBA

Site Name: Prospect Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Code: Exposure: TIA-222-H

В

Crest Height: 0.00

Site Class:

D - Stiff Soil

<u>IES</u>

7/7/2023

Gh:	1.1		Торо	: 1	St	ruct C	lass: II				Page: 35	Towe	r 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			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		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		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		1.92	6.978	8.37	52.2	112.1	425.2
90.00		1.00	0.96	5.664	6.23	0.00	1.200		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		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		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		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		1.08	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 Appt	ırtenance(s)	1.00	0.99	5.837	6.42	0.00	1.200		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	106.5	
106.00		1.00	1.00	5.935	6.53	0.00	1.200	1.124	2.00	6.456	7.75	50.6		341.0
108.00		1.00	1.01	5.967	6.56	0.00	1,200	1.126	2.00	6.342	7.61		104.9	334.9
109.00 RT2		1.00	1.01	5.982	6.58	0.00	1.200	1.120	1.00	3.128	3.75	49.9	103.2	328.8
109,92 Top -	- Section 6	1.00	1.02	5.997	6.60	0.00	1.200	1.128	0.92	2.843		24.7	51.1	162.4
110.00		1.00	1.02	5.998	6.60	0.00	1.200	1.128	0.92	0.257	3.41	22.5	46.5	147.5
112.00		1.00	1.02	6.029	6.63	0.00	1.200				0.31	2.0	4.2	13.4
114.00		1.00	1.03	6.059	6.67	0.00	1.200	1.130	2.00	6.115	7.34	48.7	99.7	316.6
116.00		1.00	1.03	6.090	6.70	0.00	1.200	1.132	2.00	6.001	7.20	48.0	97.9	310.5
118.00		1.00	1.04	6.119	6.73	0.00	1.200	1.134	2.00	5.887	7.06	47.3	96.1	304.4
120.00		1.00	1.04	6.149	6.76	0.00	1.200	1.136	2.00	5.773	6.93	46.6	94.3	298.2
122.00		1.00	1.05	6.178	6.80	0.00	1.200	1.138	2.00	5.659	6.79	45.9	92.5	292.1
124.00		1.00	1.05	6.207	6.83	0.00	1.200	1.140	2.00	5.546	6.65	45.2	90.7	285.9
126.00		1.00	1.06	6.235	6.86		1.200	1.142	2.00	5.432	6.52	44.5	88.9	279.7
128.00		1.00	1.06	6.263	6.89	0.00	1.200	1.143	2.00	5.318	6.38	43.8	87.1	273.6
130.00		1.00	1.07	6.291		0.00		1.145	2.00	5.204	6.24	43.0	85.3	267.4
132.00 Арри	rtenance(s)	1.00	1.07		6.92	0.00	1.200	1.147	2.00	5.090	6.11	42.3	83.4	261.2
134.00	rteriarice(s)	1.00		6.319	6.95	0.00	1.200	1.149	2.00	4.976	5.97	41.5	81.6	255.0
136.00		1.00	1.07 1.08	6.346	6.98	0.00	1.200	1.150	2.00	4.863	5.84	40.7	79.8	248.8
138.00		1.00	1.08	6.373 6.399	7.01	0.00	1.200	1.152	2.00	4.749	5.70	39.9	77.9	242.5
140.00		1.00			7.04	0.00	1.200	1.154	2.00	4.635	5.56	39.2	76.0	236.3
142.00			1.09	6.426	7.07	0.00	1.200	1.155	2.00	4.521	5.43	38.3	74.2	230.1
144.00		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
	rtananao(a)	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 Appu	rtenance(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 Appui	πenance(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

CT00252-S-SBA Structure:

Site Name: Prospect 157.00 (ft)

Base Elev: 0.000 (ft)

1.1 Gh:

Height:

TIA-222-H Code:

Exposure: В Crest Height: 0.00

D - Stiff Soil Site Class:

Struct Class: ||

7/7/2023

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Page: 36

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

Topography: 1

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



Iterations

23

	Elev		qz	qzGh	Orient Factor	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
No.	(ft) Description	Qty	(psf)	(psf)	x Ka		11.58	471.56	0.000	0.000	84.57	0.00	0.00
1	157.00 Powerwave LGP21901	6	6.640	7.304	0.95	1.00	32.75	502.14	0.000	1.500	239.87	0.00	359.80
2	157.00 Andrew - SBNH-1D6565C		6.658	7.324	08.0	1.00	32.75	771.68	0.000	0.000	240.56	0.00	0.00
3	157.00 Cci HPA65R-BU8A	3	6.640	7.304	0.89	1.00	32.94 15.55	290.83	0.000	0.000	113.57	0.00	0.00
4	157.00 Kathrein 800-10121	3	6.640	7.304	0.79	1.00		2350.16	0.000	0.000	388.54	0.00	0.00
5	157.00 Sabre C10-857-804	3	6.640	7.304	0.56	0.75	53.20	196.99	0.000	0.000	50.05	0.00	0.00
6	157.00 CCI DTMABP7819VG12A	. 6	6.640	7.304	0.69	1.00	6.85	54.04	0.000	3.500	19.40	0.00	67.90
7	157.00 Lightning Rod	1	6.682	7.350	1.00	1.00	2.64	23.13	0.000	0.000	9.50	0.00	0.00
8	157.00 Kathrein 860 10025 RET	6	6.640	7.304	0.50	1.00	1.30	280.81	0.000	0.000	32.25	0.00	0.00
9	157.00 Ericsson RRUS-11 RRU	3	6.640	7.304		1.00	4.42	219.98	0.000	0.000	21.75	0.00	0.00
10	157.00 Ericsson RRUS 4415 B25		6.640	7.304	0.50	1.00	2.98	123.73	0.000	0.000	17.72	0.00	0.00
11	157.00 Raycap DC6-48-60-18-8F		6.640	7.304	1.00	1.00	2.43	8.40	0.000	0.500	2.34	0.00	1.17
12	157.00 Nokia CS72188.01 LMU	1	6.646	7.310	1.00	1.00	0.32	2593.35	0.000	0.000	323.74	0.00	0.00
13	147.00 Sector Frame	3	6.516	7.168	0.56	0.75	45.17	824.88	0.000	0.000	296.89	0.00	0.00
14	147.00 Allgan ALP9212	9	6.516	7.168	0.54	0.80	41.42	_	0.000	0.000	142.24	0.00	0.00
15	132.00 DB844G65ZAXY	6	6.319	6.951	0.69	0.75	20.46	578.19 505.23	0.000	0.000	58.09	0.00	0.00
16	132.00 MT6407-77A	3	6.319	6.951	0.52	0.75	8.36		0.000	0.000	269.57	0.00	0.00
17	132.00 14' LP Platform	1	6.319	6.951	1.00	1.00	38.78	2361.52 101.85	0.000	0.000	35.79	0.00	0.00
18	132.00 BSF0020F3V1-1	6	6.319	6.951	0.50	0.75	5.15	23.30	0.000	0.000	7.66	0.00	0.00
19	132.00 GPS	1	6.319	6.951	0.75	0.75	1.10		0.000	0.000	236.85	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	29.35	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	17.48	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	23.98	0.00	0.00
23	132.00 RFS DB-C1-12C-24AB-0	Z 1	6.319	6.951	0.75	0.75	3.45	84.79	0.000	0.000	17.48	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	77.10	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	73.97	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	149.43	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		82.18	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		0.00	0.00
						Totals	:	16,504.39			3,061.93		

3,061.93 Totals: 16,504.39

Total Applied Force Summary

Structure: CT00252-S-SBA

Site Name: Prospect Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

Code: TIA-222-H

Exposure: B **Crest Height:** 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/7/2023

Page: 37

ES
Tower Engineering Solution

Iterations 23

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

Topography: 1

Dead Load Factor 1.20 Wind Load Factor 1.00

Elev		Lateral FX (-)	Axial FY (-)	Torsion MY	Moment MZ
(ft)	Description	(lb)	(lb)	(lb-ft)	(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		
22.00		60.11	876.08	0.00	0.00
24.00		59.50		0.00	0.00
26.00		59.50 58.89	869.43	0.00	0.00
28.00			862.64	0.00	0.00
30.00		58.27	855.73	0.00	0.00
30.00		57.71	848.71	0.00	0.00
		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	
60.00		59.08	733.61		0.00
62.00		58.87	727.77 719.90	0.00	0.00
64.00		58.64		0.00	0.00
64.92		26.73	712.01	0.00	0.00
66.00			323.86	0.00	0.00
68.00		31.93	597.29	0.00	0.00
70.00		58.85	1092.73	0.00	0.00
		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

CT00252-S-SBA Structure:

Code:

TIA-222-H

7/7/2023

Site Name: Prospect

Exposure:

Height:

157.00 (ft)

Crest Height: 0.00

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Base Elev: 0.000 (ft)

D - Stiff Soil Site Class:

В

Page: 38

Base E	(lev; 0.000 (it)		a a		01 11
Gh:	1.1	Тор	ography: 1	Struct	Class:
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	(O) Attachments	51.78	448.40	0.00	0.00
104.00		51.19	442.37	0.00	0.00
		50.57	436.34	0.00	0.00
106.00		49.95	430.29	0.00	0.00
108.00		24.70	213.09	0.00	0.00
109.00		22.50	194.02	0.00	0.00
109.92		2.04	17.59	0.00	0.00
110.00		48.66	409.27	0.00	0.00
112.00		48.00	403.17	0.00	0.00
114.00		47.32	397.06	0.00	0.00
116.00		46.63	390.95	0.00	0.00
118.00		45.93	384.82	0.00	0.00
120.00		45.22	378.68	0.00	0.00
122.00		44.50	372.53	0.00	0.00
124.00		43.77	366.38	0.00	0.00
126.00		43.03	360.21	0.00	0.00
128.00		42.27	354.04	0.00	0.00
130.00	(00)	1031.07	7392.25	0.00	0.00
132.00	(33) attachments	40.73	308.94	0.00	0.00
134.00		39.95	302.74	0.00	0.00
136.00		39.15	296.54	0.00	0.00
138.00		38.35	290.33	0.00	0.00
140.00		37.53	284.11	0.00	0.00
142.00		36.71	277.88	0.00	0.00
144.00		35.88	271.65	0.00	0.00
146.00	(40) 11		3551.95	0.00	0.00
147.00	(12) attachments	638.24	120.93	0.00	0.00
148.00		17.39	236.70	0.00	0.00
150.00		34.18	230.44	0.00	0.00
152.00		33.32	224.18	0.00	0.00
154.00		32.46		0.00	0.00
156.00		31.58	217.92	0.00	428.87
157.00	(40) attachments	1235.57	5400.30		
	Totals:	7,199.45	68,603.60	0.00	428.87

Structure: CT00252-S-SBA

Site Name: Prospect Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code:

TIA-222-H

Exposure: В Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: II

7/7/2023

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Page: 39

23

Iterations

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

Topography: 1

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

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (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 boits (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	80.0	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
	Safety Cable	Yes	2.00	0.000	0.38	0.39	0.00	0.048	0.000	4.134	0.00	3.62
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.43	0.00	0.048	0.000	4.134	0.00	5.88
	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.66	0.00	0.048	0.000	4.134	0.00	7.46
	Safety Cable	Yes	2.00	0.000	0.38	0.39	0.00	0.049	0.000	4.138	0.00	3.65
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.44	0.00	0.049	0.000	4.138	0.00	5.92
	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.66	0.00	0.049	0.000	4.138	0.00	7.52
	Safety Cable	Yes	0.92	0.000	0.38	0.18	0.00	0.049	0.000	4.174	0.00	1.68
	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.20	0.00	0.049	0.000	4.174	0.00	2.72
	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.30	0.00	0.049	0.000	4.174	0.00	3.46
	Safety Cable	Yes	1.08	0.000	0.38	0.21	0.00	0.050	0.000	4.215	0.00	2.00
	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.24	0.00	0.050	0.000	4.215	0.00	3.23
	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

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Structure: CT00252-S-SBA

Site Name: Prospect 157.00 (ft) Height:

Base Elev: 0.000 (ft)

Gh:

1.1

Code:

TIA-222-H

Exposure: В

Crest Height: 0.00

D - Stiff Soil Site Class:

Struct Class: ||

7/7/2023

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Page: 40

23 Iterations

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

Topography: 1

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

Top Elev	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)
(ft)	Description			0.000	0.63	0.44	0.00	0.050	0.000	4.289	0.00	5.99
34.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.67	0.00	0.050	0.000	4.289	0.00	7.64
34.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.40	0.00	0.051	0.000	4.359	0.00	3.75
36.00	Safety Cable	Yes	2.00	0.000	0.63	0.44	0.00	0.051	0.000	4.359	0.00	6.03
36.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.67	0.00	0.051	0.000	4.359	0.00	7.69
36.00	1" Reinforcing plate	Yes	2.00		0.38	0.40	0.00	0.051	0.000	4.427	0.00	3.78
38.00	Safety Cable	Yes	2.00	0.000	0.63	0.44	0.00	0.051	0.000	4.427	0.00	6.06
38.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.67	0.00	0.051	0.000	4.427	0.00	7.75
38.00	1" Reinforcing plate	Yes	2.00		0.38	0.40	0.00	0.052	0.000	4,492	0.00	3.81
40.00	Safety Cable	Yes	2.00	0.000	0.63	0.44	0.00	0.052	0.000	4.492	0.00	6.09
40.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.44	0.00	0.052	0.000	4.492	0.00	7.80
40.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.40	0.00	0.053	0.000	4.555	0.00	3.84
42.00	Safety Cable	Yes	2.00	0.000		0.45	0.00	0.053	0.000	4.555	0.00	6.12
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.43	0.00	0.053	0.000	4.555	0.00	7.85
42.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.41	0.00	0.053	0.000	4.616	0.00	3.87
44.00	Safety Cable	Yes	2.00	0.000	0.38	0.41	0.00	0.053	0.000	4.616	0.00	6.15
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.43	0.00	0.053	0.000	4.616	0.00	7.89
44.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.66	0.00	0.054	0.000	4.675	0.00	3.89
46.00	Safety Cable	Yes	2.00	0.000	0.38	0.41	0.00	0.054	0.000	4.675	0.00	6.18
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.63		0.00	0.054	0.000	4.675	0.00	7.94
46.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.68	0.00	0.054	0.000	4.733	0.00	3.92
48.00	Safety Cable	Yes	2.00	0.000	0.38	0.41	0.00	0.054	0.000	4.733	0.00	6.20
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.45	0.00	0.054	0.000	4,733	0.00	7.98
48.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.68	0.00	0.055	0.000	4.761	0.00	1.97
49.00	Safety Cable	Yes	1.00	0.000	0.38	0.21		0.055	0.000	4.761	0.00	3.11
49.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.23	0.00	0.055	0.000	4.761	0.00	4.00
49.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.34	0.00	0.055	0.000	4.788	0.00	1.97
50.00	Safety Cable	Yes	1.00	0.000		0.21	0.00	0.055	0.000	4.788	0.00	3.11
50.00	Step bolts (ladder)	Yes	1.00	0.000		0.23	0.00	0.055	0.000	4.788	0.00	4.01
50.00	1" Reinforcing plate	Yes	1.00	0.000		0.34	0.00	0.033	0.000	4.842	0.00	3.97
52.00	Safety Cable	Yes	2.00	0.000		0.41	0.00		0.000	4.842	0.00	6.25
52.00	Step bolts (ladder)	Yes	2.00	0.000		0.45	0.00	0.019	0.000	4.895	0.00	3.99
54.00	Safety Cable	Yes	2.00	0.000		0.41	0.00	0.019	0.000	4.895	0.00	6.28
54.00	Step bolts (ladder)	Yes	2.00	0.000		0.46	0.00	0.019	0.000	4.946	0.00	4.01
56.00	Safety Cable	Yes	2.00	0.000		0.41	0.00	0.019	0.000	4.946	0.00	6.30
56.00		Yes	2.00	0.000		0.46	0.00	0.019		4.996	0.00	4.03
58.00	Safety Cable	Yes	2.00	0.000		0.42	0.00	0.019	0.000 0.000	4.996	0.00	6.33
58.00	Step bolts (ladder)	Yes	2.00	0.000		0.46	0.00	0.019	0.000	5.044	0.00	4.05
60.00	· ·	Yes	2.00	0.000		0.42	0.00	0.020			0.00	6.35
	Step bolts (ladder)	Yes	2.00	0.000		0.46	0.00	0.020	0.000	5.044	0.00	4.07
62.00	Safety Cable	Yes	2.00	0.000		0.42	0.00	0.020	0.000	5.092	0.00	6.37
	Step bolts (ladder)	Yes	2.00	0.000		0.46	0.00	0.020	0.000	5.092	0.00	4.09
	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.020	0.000	5.138		6.39
	Step bolts (ladder)	Yes	2.00	0.000		0.46	0.00	0.020	0.000	5.138	0.00 0.00	1.88
	Safety Cable	Yes	0.92	0.000	0.38	0.19	0.00	0.021	0.000	5.159		2.93
	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.21	0.00	0.021	0.000	5.159	0.00	2.93
	Safety Cable	Yes	1.08	0.000		0.23	0.00	0.058	0.000	5.183	0.00	2.23 3.47
	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.25	0.00	0.058	0.000	5.183	0.00	J.41
30.30		_	6 000	0 h Taxa	or Engineer	ina Salution	ne IIC All	riahts res	erved.			

Structure: CT00252-S-SBA

Site Name: Prospect Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

Code: TIA-222-H

Exposure: B **Crest Height:** 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/7/2023

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Page: 41

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

Topography: 1

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	
68.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.062	0.000	5.228	0.00	4.15
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.062	0.000	5.228		4.13
68.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.40	0.00	0.062	0.000	5.228	0.00	6.43
70.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.063	0.000	5.271	0.00 0.00	8.34
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.063	0.000	5.271	0.00	4.15
70.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.69	0.00	0.063	0.000	5.271	0.00	6.45 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	
70.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.32	0.00	0.064	0.000	5.291	0.00	2.96 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	
72.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.25	0.00	0.063	0.000	5.314	0.00	2.26 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	4.55
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
	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
	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	80.0	0.000	0.63	0.02	0.00	0.073	0.000	5.664	0.00	0.28
	1" Reinforcing plate	Yes	80.0	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

CT00252-S-SBA Structure:

TIA-222-H Code:

7/7/2023

Site Name: Prospect

Exposure: В

157.00 (ft) Height:

Crest Height: 0.00 D - Stiff Soil

Base Elev: 0.000 (ft)

Site Class:

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Gh: 1.1

Struct Class: || Topography: 1

Page: 42

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

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



23 Iterations

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
(11)		<u> </u>		0.000	0.63	0.47	0.00	0.074	0.000	5.699	0.00	6.64
92.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.70	0.00	0.074	0.000	5.699	0.00	8.67
92.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.43	0.00	0.075	0.000	5.735	0.00	4.34
94.00	Safety Cable	Yes	2.00	0.000	0.63	0.48	0.00	0.075	0.000	5.735	0.00	6.65
94.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.70	0.00	0.075	0.000	5.735	0.00	8.69
94.00	1" Reinforcing plate	Yes	2.00 0.92	0.000	0.38	0.20	0.00	0.076	0.000	5.750	0.00	1.99
94.92	Safety Cable	Yes	0.92	0.000	0.63	0.22	0.00	0.076	0.000	5.750	0.00	3.05
94.92	Step bolts (ladder)	Yes	0.92	0.000	2.00	0.32	0.00	0.076	0.000	5.750	0.00	3.99
94.92	1" Reinforcing plate	Yes	1.08	0.000	0.38	0.24	0.00	0.076	0.000	5.769	0.00	2.36
96.00	Safety Cable	Yes	1.08	0.000	0.63	0.26	0.00	0.076	0.000	5.769	0.00	3.61
96.00	Step bolts (ladder)	Yes	1.08	0.000	2.00	0.38	0.00	0.076	0.000	5.769	0.00	4.72
96.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.43	0.00	0.077	0.000	5.803	0.00	4.37
98.00	Safety Cable	Yes	2.00	0.000	0.63	0.48	0.00	0.077	0.000	5.803	0.00	6.68
98.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.70	0.00	0.077	0.000	5.803	0.00	8.74
98.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.44	0.00	0.078	0.000	5.837	0.00	4.38
100.00	Safety Cable	Yes	2.00	0.000	0.63	0.48	0.00	0.078	0.000	5.837	0.00	6.70
100.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.71	0.00	0.078	0.000	5.837	0.00	8.76
100.00	1" Reinforcing plate	Yes Yes	2.00	0.000	0.38	0.44	0.00	0.080	0.000	5.870	0.00	4.39
102.00	Safety Cable	Yes	2.00	0.000	0.63	0.48	0.00	0.080	0.000	5.870	0.00	6.71
102.00		Yes	2.00	0.000	2.00	0.71	0.00	0.080	0.000	5.870	0.00	8.79
102.00		Yes	2.00	0.000	0.38	0.44	0.00	0.081	0.000	5.903	0.00	4.41
104.00		Yes	2.00	0.000	0.63	0.48	0.00	0.081	0.000	5.903	0.00	6.73
104.00		Yes	2.00	0.000	2.00	0.71	0.00	0.081	0.000	5.903	0.00	8.81
104.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.44	0.00	0.082	0.000	5.935	0.00	4.42
106.00		Yes	2.00	0.000	0.63	0.48	0.00	0.082	0.000	5.935	0.00	6.74
106.00		Yes	2.00	0.000	2.00	0.71	0.00	0.082	0.000	5.935	0.00	8.83
106.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.44	0.00	0.084	0.000	5.967	0.00	4.43
108.00		Yes	2.00	0.000	0.63	0.48	0.00	0.084	0.000	5.967	0.00	6.75
108.00		Yes	2.00	0.000	2.00	0.71	0.00	0.084	0.000	5.967	0.00	8.85
108.00		Yes	1.00	0.000	0.38	0.22	0.00	0.085	0.000	5.982	0.00	2.22
109.00		Yes	1.00	0.000	0.63	0.24	0.00	0.085	0.000	5.982	0.00	3.38
109.00		Yes	1.00	0.000	2.00	0.35	0.00	0.085	0.000	5.982	0.00	4.43
109.00		Yes	0.92	0.000	0.38	0.20	0.00	0.086	0.000	5.997	0.00	2.04
109.92		Yes	0.92	0.000	0.63	0.22	0.00	0.086	0.000	5.997	0.00	3.10
109.92		Yes	0.92	0.000	2.00	0.33	0.00	0.086	0.000	5.997	0.00	4.07
109.92	Safety Cable	Yes	0.08	0.000	0.38	0.02	0.00	0.087	0.000	5.998	0.00	0.19
		Yes	0.08	0.000	0.63	0.02	0.00	0.087	0.000	5.998	0.00	0.28
110.00		Yes	0.08	0.000	2.00	0.03	0.00	0.087	0.000	5.998	0.00	0.37
110.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.029	0.000	6.029	0.00	4.46
	•	Yes	2.00	0.000	0.63	0.48	0.00	0.029	0.000	6.029	0.00	6.78
	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.44	0.00	0.030	0.000	6.059	0.00	4.47
	Safety Cable Step bolts (ladder)	Yes	2.00	0.000		0.48	0.00	0.030	0.000	6.059	0.00	6.79
	Safety Cable	Yes	2.00	0.000		0.44	0.00	0.031	0.000	6.090	0.00	4.48
	Step bolts (ladder)	Yes	2.00	0.000		0.48	0.00	0.031	0.000	6.090	0.00	6.81
	Safety Cable	Yes	2.00	0.000		0.44	0.00	0.031	0.000	6.119	0.00	4.49
	Step bolts (ladder)	Yes	2.00	0.000		0.48	0.00	0.031	0.000	6.119	0.00	6.82
	Safety Cable	Yes	2.00	0.000		0.44	0.00	0.032	0.000	6.149	0.00	4.51
120.00	Jaiety Cable	, 55				· - O-lodi-	nn 110 All	righte roc	arvad			

Structure: CT00252-S-SBA

Site Name: Prospect Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code: TIA-222-H

Exposure: В Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: II

7/7/2023

Page: 43



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

Topography: 1

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



Iterations

23

_												
Top Elev		Wind	Length		Exposed Width		0.4		Cf			Dead
(ft)	Description	Exposed	(ft)	Ca	(in)	Area (sqft)	CaAa (sqft)	Ra	Adjust Factor	qz (psf)	F X (lb)	Load (Ib)
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	4.54 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	4.55 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	-
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.036	0.000	6.291		4.56
132.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.037	0.000	6.319	0.00	6.89
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.037	0.000	6.319	0.00	4.57
134.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.037	0.000	6.346	0.00	6.90
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.038	0.000	6.346	0.00	4.58
136.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.039	0.000	6.373	0.00	6.91
136.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.039	0.000	_	0.00	4.59
138.00	Safety Cable	Yes	2.00	0.000	0.03	0.45	0.00	0.039		6.373	0.00	6.92
138.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.040	0.000	6.399	0.00	4.60
140.00	Safety Cable	Yes	2.00	0.000	0.38	0.49	0.00		0.000	6.399	0.00	6.94
140.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.041	0.000	6.426	0.00	4.62
142.00	Safety Cable	Yes	2.00	0.000	0.83	0.49	0.00	0.041	0.000	6.426	0.00	6.95
142.00	Step bolts (ladder)	Yes	2.00	0.000	0.56	0.45		0.042	0.000	6.452	0.00	4.63
144.00	Safety Cable	Yes	2.00	0.000	0.83		0.00	0.042	0.000	6.452	0.00	6.96
144.00	Step bolts (ladder)	Yes	2.00	0.000		0.45	0.00	0.043	0.000	6.478	0.00	4.64
146.00	Safety Cable	Yes	2.00	0.000	0.63 0.38	0.49	0.00	0.043	0.000	6.478	0.00	6.97
146.00	Step bolts (ladder)	Yes	2.00	0.000		0.45	0.00	0.044	0.000	6.503	0.00	4.65
147.00	Safety Cable	Yes	1.00	0.000	0.63 0.38	0.49	0.00	0.044	0.000	6.503	0.00	6.98
147.00	Step bolts (ladder)	Yes	1.00	0.000		0.23	0.00	0.045	0.000	6.516	0.00	2.33
148.00	Safety Cable	Yes	1.00		0.63	0.25	0.00	0.045	0.000	6.516	0.00	3.49
148.00	Step bolts (ladder)	Yes	1.00	0.000	0.38	0.23	0.00	0.046	0.000	6.529	0.00	2.33
150.00	Safety Cable	Yes	2.00	0.000	0.63	0.25	0.00	0.046	0.000	6.529	0.00	3.49
150.00	Step bolts (ladder)	Yes			0.38	0.45	0.00	0.047	0.000	6.554	0.00	4.67
152.00	Safety Cable	Yes	2.00 2.00	0.000	0.63	0.49	0.00	0.047	0.000	6.554	0.00	7.00
152.00	Step bolts (ladder)	Yes		0.000	0.38	0.45	0.00	0.049	0.000	6.579	0.00	4.67
154.00	Safety Cable	Yes	2.00	0.000	0.63	0.49	0.00	0.049	0.000	6.579	0.00	7.01
154.00	Step bolts (ladder)		2.00	0.000	0.38	0.45	0.00	0.050	0.000	6.603	0.00	4.68
156.00	Safety Cable	Yes	2.00	0.000	0.63	0.49	0.00	0.050	0.000	6.603	0.00	7.02
156.00	-	Yes	2.00	0.000	0.38	0.45	0.00	0.052	0.000	6.628	0.00	4.69
157.00	Step bolts (ladder) Safety Cable	Yes	2.00	0.000	0.63	0.49	0.00	0.052	0.000	6.628	0.00	7.03
	•	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
									Tota	als:	0.0	1,150.1

Structure: CT00252-S-SBA

Site Name: Prospect

Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

Code:

TIA-222-H

Exposure:

В

Crest Height: 0.00 Site Class: D - Stiff Soil

Struct Class: II

7/7/2023

((H)) IES

Page: 44

Iterations

23

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

Topography: 1

Dead Load Factor 1.20 Wind Load Factor 1.00

												D.4-4'	Detetion	
Seg	Pu	Vu	Tu	Mu	Mu	Resultant	phi	phi	phi Tn	phi Mn	Total Deflect	Sway	Rotation Twist	Stress
Elev	FY (-)	FX (-)	MY (-)	MZ	MX	Moment	Pn (kips)	Vn (kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
(ft)	(kips)			(ft-kips)		(ft-kips) 761.27	3884.21	1082.32	6110.61	5372.74	0.00	0.000	0.000	0.159
0.00	-68.60	-7.20	0.00	-761.27	0.00	746.86	3865.76	1071.73	5991.56	5294.53	0.00	-0.008	0.000	0.159
2.00	-67.59	-7.15	0.00	-746.86	0.00		3846.93	1061.13	5873.68	5216.31	0.01	-0.015	0.000	0.158
4.00	-66.57	-7.09	0.00	-732.57	0.00	732.57	3827.70	1050.54	5756.97	5138.08	0.01	-0.023	0.000	0.157
6.00	-65.56	-7.04	0.00	-718.39	0.00	718.39	3808.09	1030.54	5641.43	5059.86	0.03	-0.031	0.000	0.156
8.00	-64.55	-6.98	0.00	-704.32	0.00	704.32		1039.94	5527.07	4981.66	0.04	-0.039	0.000	0.155
10.00	-63.55	-6.93	0.00	-690.36	0.00	690.36	3788.09	1029.33	5418.57	4906.76	0.06	-0.047	0.000	0.155
11.92	-62.60	-6.87	0.00	-677.09	0.00	677.09	3768.56	1019.19	5413.87	4903.51	0.06	-0.047	0.000	0.155
12.00	-62.53	-6.87	0.00	-676.52	0.00	676.52	3767.70		5301.85	4825.41	0.08	-0.055	0.000	0.154
14.00	-60.90	-6.82	0.00	-662.77	0.00	662.77	3746.93	1008.16	5191.00	4747.39	0.11	-0.064	0.000	0.137
16.00	-59.29	-6.76	0.00	-649.14	0.00	649.14	3725.77	997.56	5081.32	4669.46	0.13	-0.071	0.000	0.136
18.00	-57.69	-6.70	0.00	-635.62	0.00	635.62	3704.22	986.97		3716.58	0.13	-0.079	0.000	0.148
20.00	-56.10	-6.65	0.00	-622.21	0.00	622.21	2938.21	848.02	4376.49	3659.53	0.17	-0.075	0.000	0.163
22.00	-55.22	-6.60	0.00	-608.92	0.00	608.92	2924.62	838.93	4283.25		0.24	-0.095	0.000	0.162
24.00	-54.35	-6.54	0.00	-595.73	0.00	595.73	2910.64	829.85	4191.02	3602.38		-0.103	0.000	0.160
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	0.159
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	0.158
30.00	-51.78	-6.38	0.00	-556.78	0.00	556.78	2866.39	802.61	3920.36	3430.42	0.37		0.000	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		0.157
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	0.155
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	
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		-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		-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		-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
	-44.07	-5.87		-439.78	0.00	439.78	2703.26	716.33	3122.84	2885.23	1.03	-0.208	0.000	0.166
49.00	-43.69	-5.85		-433.90	0.00	433.90	2693.71	711.79	3083.38	2856.68	1.07	-0.213	0.000	0.168
50.00	-42.93	-5.79		-422.21	0.00	422.21	2674.32	702.71	3005.20	2799.67	1.16	-0.224	0.000	0.167
52.00	-42.93 -42.17	-5.74		-410.62		410.62	2654.53	693.63	2928.03	2742.78	1.26	-0.235	0.000	0.166
54.00				-399.14		399.14	2634.36	684.55	2851.86	2686.04	1.36	-0.247	0.000	0.164
56.00	-41.43	-5.69		-387.76		387.76	2613.81	675.47	2776.69	2629.46	1.47	-0.258	0.000	0.163
58.00	-40.69	-5.63		-376.50		376.50	2592.86	666.39	2702.53	2573.06	1.58	-0.270	0.000	0.162
60.00	-39.96	-5.58	_	-365.34		365.34	2571.53	657.30	2629.37	2516.85	1.69	-0.282	0.000	0.160
62.00	-39.24	-5.52				354.30	2549.81	648.22	2557.22	2460.85	1.81	-0.294	0.000	0.159
64.00	-38.53	-5.47		-354.30		349.28	2539.73	644.06	2524.48	2435.25	1.87	-0.300	0.000	0.159
64.92	-38.21	-5.44		-349.28		343.39	2527.71	639.14		2405.07	1.94	-0.306	0.000	0.132
66.00	-37.61	-5.41		-343.39		332.56	2505.22	630.06			2.07	-0.317	0.000	0.131
68.00	-36.52	-5.36					2482.34	620.98			2.20		0.000	0.129
70.00	-35.44	-5.30		-321.85		321.85	1926.34	521.86	1988.87	1797.99	2.27		0.000	0.141
70.92	-34.94	-5.27				317.00	1926.34	517.76			2.34		0.000	0.157
72.00	-34.61	-5.24				311.29		517.76	1900.93	1736.57	2.49		0.000	0.155
74.00	-33.99	-5.18				300.81	1903.38		1875.17				0.000	0.154
74.92	-33.71	-5.16				296.05	1896.38		1875.17				0.000	0.154
74.92	-33.71	-5.16	0.00			296.05	1896.38				2.64		0.000	0.152
76.00	-33.38	-5.13	0.00	-290.46	0.00	290.46	1888.00	502.62	1844.95	1030.01	2.04	3.001	2.000	

Structure: CT00252-S-SBA

Code:

TIA-222-H

D - Stiff Soil

7/7/2023

Site Name: Prospect Height:

157.00 (ft)

Exposure:

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class:

Dase	Elev.	0.000 ((II)				Site Class	: D-	Stiff Soi	l				
Gh:		1.1		Тор	ography:	1	Struct Clas	ss: II			Pa	ge: 45	Tower Engineer	ing 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)

CT00252-S-SBA Structure:

Code:

TIA-222-H

7/7/2023

Site Name: Prospect

В

Exposure:

Height: Base Elev: 0.000 (ft)

157.00 (ft)

Crest Height: 0.00

Gh:

Topography: 1 1.1

D - Stiff Soil Site Class: Struct Class: II

Page: 46

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor 1.10

0.21 Sds

22 **Iterations** 0.20 Ss

Dead Load Factor

1.20 Seismic Load Factor

0.09 1.00 Sd1

0.05 **S1**

Wind Load Factor

0.00 Structure Frequency (f1)

SA 0.49

1.00 0.04 Seismic Importance Factor

	Wind Load Factor	0.00 Structure Fre	quency (i	1) 0.49	3A 0.0+	Ocidinio importanto i asses
Тор				Vertical	Lateral	
Elev		Wz	Hz	Ev	Fs	R: 1.50
(ft)	Description	(lb)	(lb)	(lb)	(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	80.0	
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	Bot - Section 2	51.75	11.96	2.20	0.00	
		1235.7	13.00	52.46	1.04	
14.00	RB1	1223.9	15.00	51.96	1.31	
16.00	KBI	1212.1	17.00	51.46	1.61	
18.00	Tee Caption 1	1200.3	19.00	50.96	1.93	
20.00	Top - Section 1	605.74	21.00	25.72	0.69	
22.00		600,29	23.00	25.48	0.80	
24.00		594.84	25.00	25.25	0.91	
26.00		589.39	27.00	25.02	1.02	
28.00		583.94	29.00	24.79	1.14	
30.00		265.82	30.46	11.28	0.31	
30.92	Top - Section 2	312.67	31.46	13.27	0.44	
32.00		573.03	33.00	24.33	1.39	
34.00		567.58	35.00	24.10	1.51	
36.00		562.13	37.00	23.86	1.64	
38.00		556.68	39.00	23.63	1.77	
40.00			41.00	23.40	1.90	
42.00		551.23	43.00	23.17	2.03	
44.00		545.78	45.00	22.94	2.16	
46.00		540.33	47.00	22.71	2.29	
48.00		534.88	48.50	11.27	0.70	
49.00	RT1	265.40		11.21	0.72	
50.00		264.04	49.50	22.24	2.55	
52.00		523.98	51.00	22.24	2.67	
54.00		518.53	53.00		2.80	
56.00		513.08	55.00	21.78	2.93	
58.00		507.63	57.00	21.55		
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		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	
, 0.00						

Seismic Segment Forces (Factored)

Structure: CT00252-S-SBA

Totals:

44,034.8

Code: TIA-222-H

В

7/7/2023

Site Name: Prospect

Exposure:

Height:

157.00 (ft)

Crest Height: 0.00

_	()		Orest Height.	0.00		
Base	e Elev: 0.000 (ft)		Site Class:	D - Stiff Soil		١.
Gh:	1.1	Topography: 1	Struct Class:	II	Page: 47	ī
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	156.50114.21	325.14		
		Totale: 44 034 9	4.000.4	4 4 4 4 4		

1,869.4

1,060.9

Total Wind:

29,496.6

CT00252-S-SBA Structure:

Site Name: Prospect Height:

157.00 (ft)

0.000 (ft) Base Elev:

Gh:

Topography: 1

Code:

TIA-222-H

D - Stiff Soil

Exposure:

В Crest Height: 0.00

Site Class:

Struct Class: ||

7/7/2023

((開))

Iterations

Page: 48

Load Case: 1.2D + 1.0Ev + 1.0Eh

Dead Load Factor

Gust Response Factor

1.20 Seismic Load Factor

0.21 Sds

0.09 Sd1 1.00

S1

0.20 Ss 0.05

22

1.00 0.04 Seismic Importance Factor SA 0.00 Structure Frequency (f1) 0.49 Wind Load Factor

	yvine	Loac	racio	0.0			·			nhi	Total	Rotation	Rotation	
Seg	Pu	Vu	Tu	Mu	Mu	Resultant	phi	phi Vn	phi Tn	phi Mn	Deflect		Twist	Stress
Elev	FY (-)	FX (-)	MY (-)	MZ	MX	Moment (ft-kips)	Pn (kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio_
(ft)	(kips)	(kips)		(ft-kips)	(ft-kips)	145.04	3884.21	1082.32	6110.61	5372.74		0.00	0.00	0.041
0.00	-53.34	-1.06	0.00	-145.04	0.00	142.92	3865.76	1071.73	5991.56	5294.53		0.00	0.00	0.041
2.00	-52.43	-1.06	0.00	-142.92	0.00	140.79	3846.93	1061.13	5873.68	5216.31		0.00	0.00	0.040
4.00	-51.53	-1.06	0.00	-140.79	0.00	138.67	3827.70	1050.54	5756.97	5138.08		0.00	0.00	0.040
6.00	-50.64	-1.06	0.00	-138.67	0.00	136.54	3808.09	1039.94	5641.43	5059.86		0.01	-0.01	0.040
8.00	-49.76	-1.07	0.00	-136.54	0.00	134.41	3788.09	1029.35	5527.07	4981.66		0.01	-0.01	0.040
10.00	-48.88	-1.07	0.00	-134.41	0.00	132.36	3768.56	1019.19	5418.57	4906.76		0.01	-0.01	0.040
11.92	-48.05	-1.07	0.00	-132.36	0.00 0.00	132.28	3767.70	1018.75	5413.87	4903.51		0.01	-0.01	0.040
12.00	-47.99	-1.07	0.00	-132.28		130.14	3746.93	1008.16	5301.85	4825.41		0.02	-0.01	0.039
14.00	-46.47	-1.07	0.00	-130.14	0.00	128.01	3725.77	997.56	5191.00	4747.39		0.02	-0.01	0.035
16.00	-44.97	-1.07	0.00	-128.01	0.00	125.87	3704.22	986.97	5081.32	4669.46		0.03	-0.01	0.035
18.00	-43.49	-1.07	0.00	-125.87	0.00	123.74	2938.21	848.02	4376.49	3716.58		0.03	-0.02	0.038
20.00	-42.01	-1.07	0.00	-123.74	0.00	121.61	2924.62	838.93	4283.25	3659.53		0.04	-0.02	0.042
22.00	-41.28	-1.07	0.00	-121.61	0.00	119.48	2910.64	829.85	4191.02	3602.38		0.05	-0.02	0.041
24.00	-40.56	-1.07	0.00	-119.48	0.00	117.35	2896.28	820.77	4099.80	3545.13		0.05	-0.02	0.041
26.00	-39.84	-1.07	0.00	-117.35	0.00	115.22	2881.53	811.69	4009.57	3487.80		0.06	-0.02	0.041
28.00	-39.12	-1.07	0.00	-115.22	0.00	113.08	2866.39	802.61	3920.36	3430.42		0.07	-0.02	0.041
30.00	-38.42	-1.06	0.00	-113.08	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
30.92	-38.10	-1.07	0.00	-112.11	0.00 0.00	110.95	2850.86	793.53	3832.14	3372.99		80.0	-0.03	0.040
32.00	-37.72	-1.07	0.00	-110.95		108.82	2834.95	784.44	3744.93	3315.53		0.09	-0.03	0.040
34.00	-37.03	-1.06	0.00	-108.82	0.00	106.69	2818.65	775.36	3658.72	3258.05		0.11	-0.03	0.040
36.00	-36.34	-1.06	0.00	-106.69	0.00	104.57	2801.96	766.28	3573.52	3200.58		0.12	-0.03	0.040
38.00	-35.66	-1.06	0.00	-104.57	0.00	102.44	2784.89	757.20	3489.32	3143.12		0.13	-0.03	0.039
40.00	-34.99	-1.06		-102.44	0.00	100.31	2767.43	748.12	3406.12	3085.70		0.15	-0.03	0.039
42.00	-34.33	-1.06		-100.31	0.00	98.19	2749.58	739.04	3323.93	3028.33		0.16	-0.04	0.039
44.00	-33.67	-1.06		-98.19	0.00	96.07	2731.34	729.96	3242.74	2971.03		0.18	-0.04	0.038
46.00	-33.02	-1.06		-96.07	0.00	93.95	2712.72	720.87	3162.56	2913.81		0.19	-0.04	0.038
48.00	-32.37	-1.06		-93.95		92.90	2703.26	716.33	3122.84	2885.23		0.20	-0.04	0.038
49.00	-32.05	-1.06		-92.90	_	92.90	2703.26	716.33	3122.84	2885.23		0.20	-0.04	0.042
49.00	-32.05	-1.06				91.84	2693.71	711.79	3083.38	2856.68		0.21	-0.04	0.044
50.00	-31.73	-1.06			0.00	89.73	2674.32	702.71	3005.20	2799.67		0.23	-0.05	0.044
52.00	-31.10	-1.05				87.62	2654.53	693.63	2928.03	2742.78		0.25	-0.05	0.043
54.00	-30.48	-1.05				85.52	2634.36	684.55	2851.86	2686.04		0.27	-0.05	0.043
56.00	-29.86	-1.05				83.41	2613.81	675.47	2776.69	2629.46		0.29	-0.05	0.043
58.00	-29.25	-1.05			0.00		2592.86	666.39	2702.53	2573.06		0.31	-0.06	0.043
60.00	-28.65	-1.05				81.32 79.22	2571.53	657.30	2629.37	2516.85		0.34	-0.06	0.042
62.00	-28.05	-1.04					2549.81	648.22	2557.22	2460.85		0.36	-0.06	0.042
64.00	-27.46	-1.04				77.14 76.18	2539.73	644.06	2524.48	2435.25		0.37	-0.06	0.042
64.92	-27.19	-1.04				75.06	2527.71	639.14	2486.07	2405.07		0.39	-0.06	0.035
66.00	-26.66	-1.04					2505.22	630.06	2415.92	2349.53		0.42	-0.07	0.035
68.00	-25.68	-1.03				72.98	2505.22	620.98	2346.78	2294.24		0.44	-0.07	0.034
70.00	-24.71	-1.02				70.92	1926.34	521.86	1988.87	1797.99		0.46	-0.07	0.037
70.92	-24.28	-1.02				69.99	1926.34	517.76	1957.74	1776.40		0.47	-0.07	0.042
72.00	-24.01	-1.02				68.89	1903.38	517.70	1900.93	1736.57		0.50	-0.07	0.041
74.00	-23.52	-1.01				66.86	1896.38	506.72		1718.34		0.52	-0.07	0.041
74.92	-23.30	-1.01				65.93	1896.38		1875.17			0.52	-0.07	0.041
74.92	-23.30	-1.01	0.00	-65.93	0.00	65.93			↑ All rights					

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Structure: CT00252-S-SBA

Site Name: Prospect 157.00 (ft)

Base Elev: 0.000 (ft)

Height:

Code:

TIA-222-H

Exposure: В Crest Height: 0.00

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

Gh:		1.1	. ,	Тор	ography:	1	Struct Cla	ss: II	Othi Ooi		Page: 49	Tower Enginee	ring Solutions
76.00	-23.04	-1.01	0.00	-64.83	0.00	64.83	1888.00	502.62	1944.05	4606.04		2.00	
78.00	-22.57	-1.01	0.00	-62.80	0.00	62.80	1872.23	495.06	1844.95 1789.81	1696.81 1657.12	0.53	-0.08	0.041
80.00	-22.10	-1.01	0.00	-60.78	0.00	60.78	1856.07	495.00	1735.51		0.56	-0.08	0.040
82.00	-21.63	-1.00	0.00	-58.77	0.00	58.77	1839.53	479.92	1682.04	1617.53 1578.04	0.60	-0.08	0.040
84.00	-21.17	-1.00	0.00	-56.76	0.00	56.76	1822.60	479.92			0.63	-0.08	0.039
86.00	-20.72	-1.00	0.00	-54.76	0.00	54.76	1805.28		1629.41	1538.68	0.67	-0.09	0.039
88.00	-20.27	-0.99	0.00	-52.77	0.00	52.77	1787.57	464.78	1577.62	1499.46	0.70	-0.09	0.038
89.92	-19.85	-0.99	0.00	-50.86	0.00	50.86	1770.24	457.22	1526.66	1460.40	0.74	-0.09	0.038
90.00	-19.82	-0.99	0.00	-50.78	0.00	50.78	1770.24	449.96	1478.61	1423.12	0.78	-0.09	0.037
92.00	-19.11	-0.98	0.00	-48.80	0.00	48.80	1751.00	449.65	1476.54	1421.50	0.78	-0.09	0.037
94.00	-18.42	-0.97	0.00	-46.83	0.00	46.83	1731.00	442.08	1427.26	1382.80	0.82	-0.10	0.036
94.92	-18.10	-0.97	0.00	-45.94	0.00	45.94	1262.32	434.51	1378.81	1344.29	0.86	-0.10	0.035
96.00	-17.90	-0.97	0.00	-44.89	0.00	44.89	1256.50	349.97	1118.08	987.98	0.88	-0.10	0.039
98.00	-17.54	-0.97	0.00	-42.95	0.00	42.95		346.69	1097.22	974.14	0.90	-0.10	0.045
100.00	-16.78	-0.96	0.00	-41.02	0.00		1245.44	340.64	1059.23	948.60	0.95	-0.11	0.044
102.00	-16.45	-0.95	0.00	-39.11	0.00	41.02	1234.00	334.58	1021.92	923.07	0.99	-0.11	0.043
104.00	-16.12	-0.95	0.00	-37.20	0.00	39.11	1222.17	328.53	985.27	897.56	1.04	-0.11	0.042
106.00	-15.79	-0.95	0.00	-37.20 -35.30		37.20	1209.95	322.47	949.29	872.10	1.09	-0.12	0.041
108.00	-15.73	-0.94	0.00	-33.40	0.00	35.30	1197.35	316.42	913.98	846.70	1.14	-0.12	0.040
109.00	-15.31	-0.94	0.00	-32.46	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 -32.46	0.00	32.46	1177.71	307.34	862.27	808.75	1.21	-0.12	0.038
109.92	-15.16	-0.94	0.00		0.00	32.46	1177.71	307.34	862.27	808.75	1.21	-0.12	0.049
109.92	-15.16	-0. 94 -0.94	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	-31.59	0.00	31.59	1171.54	304.56	846.77	797.19	1.24	-0.13	0.053
112.00	-14.84	-0.94	0.00	-31.52	0.00	31.52	1170.98	304.31	845.36	796.14	1.24	-0.13	0.053
114.00	-14.53	-0.94		-29.63	0.00	29.63	1157.21	298.26	812.06	771.01	1.29	-0.13	0.051
116.00	-14.22	-0.94	0.00	-27.75	0.00	27.75	1143.06	292.20	779.43	746.01	1.35	-0.13	0.050
118.00	-14.22	-0.94		-25.87	0.00	25.87	1128.52	286.15	747.46	721.14	1.41	-0.14	0.048
120.00	-13.63		0.00	-24.00	0.00	24.00	1113.60	280.09	716.17	696.43	1.47	-0.14	0.047
122.00	-13.34	-0.93 -0.93	0.00	-22.13	0.00	22.13	1098.28	274.04	685.54	671.88	1.53	-0.15	0.045
124.00	-13.34		0.00	-20.27	0.00	20.27	1082.58	267.98	655.59	647.53	1.59	-0.15	0.044
126.00	-13.05	-0.92 -0.92	0.00	-18.42	0.00	18.42	1066.50	261.93	626.30	623.37	1.66	-0.16	0.042
128.00	-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
130.00	-12.30		0.00	-14.72	0.00	14.72	1033.16	249.82	569.73	575.73	1.79	-0.16	0.038
132.00	-12.22 -7.85	-0.92 -0.52	0.00	-12.89	0.00	12.89	1015.91	243.77	542.45	552.28	1.86	-0.17	0.035
134.00	-7.62	-0.52 -0.52	0.00	-11.06	0.00	11.06	998.40	237.71	515.84	529.15	1.93	-0.17	0.029
136.00	-7.82 -7.39	-0.52 -0.51	0.00	-10.02	0.00	10.02	972.97	231.66	489.90	502.41	2.00	-0.18	0.028
138.00	-7.39 -7.17	-0.51 -0.51	0.00	-8.99	0.00	8.99	947.54	225.60	464.63	476.37	2.08	-0.18	0.027
140.00			0.00	-7.96	0.00	7.96	922.11	219.55	440.03	451.02	2.15	-0.18	0.025
	-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

Exposure:

В

Site Name: Prospect

Height:

157.00 (ft)

Crest Height: 0.00 Site Class: D - Stiff Soil

Base Elev: 0.000 (ft) Gh:

1.1

Topography: 1

Struct Class: ||

Page: 50

21 **Iterations** Load Case: 0.9D + 1.0Ev + 1.0Eh 0.20 Ss 0.21 Sds **Gust Response Factor** 0.05 **S1** 0.09 Sd1 1.00 0.90 Seismic Load Factor **Dead Load Factor** 0.04 Seismic Importance Factor 1.00 0.49 SA 0.00 Structure Frequency (f1) Wind Load Factor

	77,114			Vertical	Lateral	
Тор		Wz	Hz	Ev	Fs	
Elev (ft)	Description	(lb)	(lb)	(lb)	(Ib)	R: 1.50
	20000	0.00	0.00	0.00	0.00	
0.00		721.01	1.00	30.61	0.00	
2.00		714.66	3.00	30.34	0.03	
4.00		708.30	5.00	30.07	0.07	
6.00		700.94	7.00	29.80	0.13	
8.00		695.58	9.00	29.53	0.20	
10.00		660.63	10.96	28.05	0.26	
11.92	Bot - Section 2	50.71	11.96	2.15	0.00	
12.00		1210.8	13.00	51.41	1.03	
14.00		1199.0	15.00	50.90	1.30	
16.00	RB1	1187.2	17.00	50.40	1.59	
18.00		1175.4	19.00	49.90	1.90	
20.00	Top - Section 1	580.85	21.00	24.66	0.66	
22.00		575.40	23.00	24.43	0.76	
24.00			25.00	24.20	0.86	
26.00		569.95 564.50	27.00	23.96	0.97	
28.00			29.00	23.73	1.08	
30.00		559.05	30.46	10.80	0.30	
30.92	Top - Section 2	254.41	31.46	12.70	0.42	
32.00		299.19	33.00	23.27	1.31	
34.00		548.15	35.00	23.04	1.43	
36.00		542.70	37.00	22.81	1.55	
38.00		537.25		22.58	1.67	
40.00		531.80	39.00	22.35	1.79	
42.00		526.35	41.00	22.33	1.73	
44.00		520.90	43.00	21.88	2.03	
46.00		515.45	45.00	21.65	2.05	
48.00		510.00	47.00		0.66	
49.00	RT1	252.96	48.50	10.74	0.68	
50.00		251.59	49.50	10.68		
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	21
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	
10.00						

Seismic Segment Forces (Factored)

Structure: CT00252-S-SBA

Code:

TIA-222-H

7/7/2023

Height:

Site Name: Prospect

Exposure:

157.00 (ft)

Crest Height: 0.00

	• •				0.00		
Bas	e Elev: 0.000 (ft)		Site	Class:	D - Stiff Soil		LES
Gh:	1.1	Topography: 1		ct Class:		Page: 51	Tower Engineering So
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			
94.92		249.90	94.46	10.61	8.20		
96.00		153.67	95.46		2.10		
98.00		280.90	97.00	6.52	0.91		
100.00				11.93	2.70		
102.00	/ ppd/terrainee(a)	604.26	99.00	25.65	10.76		
104.00		262.40	101.00	11.14	2.57		
106.00		258.76	103.00	10.99	2.60		
108.00		255.13	105.00	10.83	2.62		
109.00	RT2	251.50	107.00	10.68	2.64		
109.92		124,39	108.50	5.28	0.78		
	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		
			100.00			St. 1	
		Totals: 42,318.5		1,796.6	1,060.9	Total Wind:	29,496.6

CT00252-S-SBA Structure:

Site Name: Height:

Prospect 157.00 (ft)

0.000 (ft) Base Elev:

Gh:

1.1

Code:

TIA-222-H

Exposure:

В Crest Height: 0.00

Site Class:

D - Stiff Soil Struct Class: -11

7/7/2023

Page: 52

((141)) Tower Engineering Solutions

Ss

S1

Iterations

Load Case: 0.9D + 1.0Ev + 1.0Eh

Dead Load Factor

1.10 **Gust Response Factor**

0.90 Seismic Load Factor

0.00 Structure Frequency (f1)

Topography:

Sds 0.21

0.09 1.00 Sd1 SA

0.49

Seismic Importance Factor 0.04

1.00

21

0.20

0.05

Wind Load Factor Rotation Rotation Total phi phi Resultant phi phi Mu Mu Tu Vu Seg Pu Stress Twist Tn Mn **Deflect** Sway Vn Pn ΜZ MX Moment Elev FY (-) FX (-) MY (-) (deg) (deg) Ratio (ft-kips) (ft-kips) (in) (kips) (kips) (ft-kips) (ft-kips) (ft-kips) (kips) (ft-kips) (ft) (kips) 0.037 0.00 5372.74 0.00 1082.32 6110.61 3884.21 144.66 -144.66 0.00 -40.40 0.00 -1.060.00 0.0370.00 5294.53 0.00 1071.73 5991.56 3865.76 0.00 142.55 -39.71 -1.060.00 -142.552.00 0.00 0.037 0.00 1061.13 5873.68 5216.31 3846.93 0.00 140.43 -140.43 0.00 4.00 -39.03 -1.060.00 0.037 0.00 1050.54 5756.97 5138.08 3827.70 0.00 138.31 -138.31 -1.06 0.00 6.00 -38.36-0.01 0.037 3808.09 1039.94 5641.43 5059.86 0.01 136.18 -136.18 0.00 0.00 8.00 -37.69-1.060.037 -0.01 0.01 3788.09 1029.35 5527.07 4981.66 0.00 134.06 -134.06 0.00 10.00 -37.02-1.060.01 -0.01 0.037 1019.19 5418.57 4906.76 132.02 3768.56 0.00 0.00 -132.0211.92 -36.39-1.06-0.01 0.037 0.01 4903.51 1018.75 5413.87 131.93 3767.70 -131.93 0.00 0.00 -1.06-36.3512.00 0.036 -0.01 0.02 5301.85 4825.41 3746.93 1008.16 129.80 -1.060.00 -129.80 0.00-35.2014.00 0.032 0.02 -0.01 5191.00 4747.39 3725.77 997.56 127.68 0.00 -127.68 0.00 -34.06 -1.0616.00 0.032 0.03 -0.015081.32 4669.46 986 97 125.55 3704.22 0.00 0.00 -125.55 -32.93 -1.0618.00 -0.02 0.035 848.02 4376.49 3716.58 0.03 2938.21 123.43 -123.43 0.00 0.00 20.00 -31.82 -1.060.039 -0.02 0.04 2924.62 838.93 4283.25 3659.53 121.31 -121.31 0.00 0.00 -31.26-1.0622.00 -0.02 0.038 0.05 4191.02 3602.38 2910.64 829.85 0.00 119.19 0.00 -119.19 -1.0624.00 -30.71-0.02 0.038 0.05 820.77 4099.80 3545.13 2896.28 0.00 117.06 0.00 -117.06-1.0626.00 -30.17-0.02 0.0380.06 4009.57 3487.80 811.69 114.94 2881.53 -1.06 0.00 -114.94 0.00 -29 63 28.00 -0.02 0.038 0.07 3920 36 3430.42 2866.39 802.61 112.82 -112.82 0.00 -29.09 -1.06 0.00 30.00 80.0 -0.020.038 3879.80 3404.10 798 45 111.85 2859.32 0.00 -28.85 -1.060.00 -111.85 30.92 0.038 -0.023879.80 3404.10 0.08 798.45 2859.32 0.00 111.85 -111.85 -28.85 -1.060.00 30.92 -0.03 0.037 2850.86 793.53 3832.14 3372.99 0.08 110.70 -110.70 0.00 0.00 -1.0632.00 -28.56-0.03 0.037 0.093744.93 3315.53 2834.95 784.44 108.58 -108.58 0.00 0.00 -28.04-1.0634.00 0.037 -0.03 0.11 775.36 3658.72 3258.05 2818.65 0.00 106.47 0.00 -106.47 -1.0636.00 -27.52 -0.03 0.037 0.12 3573.52 3200.58 766.28 2801.96 104.35 0.00 -104.35 0.00 -1.06-27.01 38.00 -0.03 0.0360.13 3143.12 2784.89 757.20 3489.32 102.23 -102.23 0.00 -1.06 0.00 -26.50 40.00 0.036 3406.12 3085.70 0.15 -0.03748.12 100.12 2767.43 0.00 -26.00 -1.06 0.00 -100.1242.00 0.036 3323.93 3028.33 0.16 -0.04739.04 2749.58 0.00 98.01 0.00 -98.01 44.00 -25.50 -1.050.036 -0.04729.96 3242.74 2971.03 0.18 95.90 2731.34 0.00 -95.90 0.00 46.00 -25.00 -1.05-0.04 0.036 2913.81 0.19 2712.72 720.87 3162.56 93.80 0.00 -93.80 -1.050.00 48.00 -24.520.035 -0.04 0.20 3122.84 2885.23 2703.26 716.33 92.75 -92.75 0.00 0.00 49.00 -24.27 -1.050.040 -0.04 0.20 3122.84 2885.23 2703.26 716.33 -92.75 0.00 92.75 -1.05 0.0049.00 -24.27 -0.04 0.041 3083.38 0.21 711.79 2856.68 2693.71 91.70 -1.05 0.00 -91.70 0.00 50.00 -24.03 0.23 -0.05 0.041 3005.20 2799.67 89.60 2674.32 702.71 0.00 -89.60 0.00 -23.55 -1.05 52.00 0.041 -0.05 2928.03 2742.78 0.25693.63 2654.53 87.50 -87.50 0.00 -23.08 -1.050.0054.00 0.040 2851.86 2686.04 0.27 -0.05684.55 2634.36 85.41 0.00 -85.41 -1.040.00 56.00 -22 61 0.040 -0.05 0.29 675.47 2776.69 2629.46 83.32 2613.81 0.00 0.00 -83.32-22.15-1.0458.00 -0.06 0.040 0.31 666.39 2702.53 2573.06 81.24 2592.86 0.00 -81.24 60.00 -21.69 -1.040.00 -0.06 0.040 2516.85 0.34 657.30 2629.37 0.00 79.16 2571.53 -79.16 -1.040.00 62.00 -21.24 -0.06 0.039 2557.22 2460.85 0.36 648.22 2549.81 -77.08 0.00 77.08 0.00 -20.80 -1.03 64.00 -0.06 0.039 0.37 2539.73 644.06 2524.48 2435.25 76.14 0.00 0.00 -76.14 -20.59 -1.0364.92 0.033 0.39 -0.06 2405.07 2486.07 75.02 2527.71 639.14 -75.02 0.00 -1.03 0.00 66.00 -20.190.41 -0.07 0.033 2349 53 630.06 2415.92 72.95 2505.22 -72.95 0.00 0.00 -1.0268.00 -19.450.032 -0.07 2346.78 2294.24 0.44 2482.34 620.98 70.91 -70.91 0.00 -1.010.00 -18.7270.00 0.035-0.07 1988.87 1797.99 0.46 1926.34 521.86 69.98 0.00 -18.38 -1.01 0.00 -69.9870.92 0.039 -0.070.47 1957.74 1776.40 517.76 68.88 1918.38 0.00 -68.88 -1.01 0.00 72.00 -18.18 0.039 -0.07 0.50 510.19 1900.93 1736.57 1903.38 -66.86 0.00 66.86 -1.01 0.00 74.00 -17.81 0.039 -0.07 1896.38 506.72 1875.17 1718.34 0.51 65.94 0.00-65.94 0.00-17.65 -1.0174.92 0.039 0.51 -0.071875.17 1718.34 1896.38 506.72 65.94 -65.94 0.00 -17.65 -1.010.00 74.92 Copyright © 2023 by Tower Engineering Solutions, LLC. All rights reserved.

Structure: CT00252-S-SBA

Site Name: Prospect 157.00 (ft)

Base Elev: 0.000 (ft)

Height:

Code: TIA-222-H

Exposure: В

Crest Height: 0.00

Site Class: D - Stiff Soil



			()				Oire Oigsa	. 0-	3011 301		A A		
Gh:		1.1		Тор	ography:	1	Struct Cla	ss:			Page: 53	Tower Enginee	ring 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		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		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		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		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		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		310.36	879.34	821.38	1.19	-0.12	0.037
109.00	-11.60	-0.94	0.00	-32.57	0.00	32.57		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		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		304.56	846.77	797.19	1.24	-0.12	0.050
109.92	-11.49	-0.94	0.00	-31.71	0.00	31.71		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		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		298.26	812.06	771.01	1.29	-0.13	0.038
114.00	-11.01	-0.94	0.00	-27.86	0.00	27.86		292.20	779.43	746.01	1.35	-0.13	0.048
116.00	-10.78	-0.94	0.00	-25.98	0.00	25.98		286.15	747.46	721.14	1.41	-0.13	0.047
118.00	-10.55	-0.93	0.00	-24.11	0.00	24.11		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		274.04	685.54	671.88	1.53	-0.15	0.044
122.00	-10.11	-0.93	0.00	-20.37	0.00	20.37		267.98	655.59	647.53	1.59	-0.15 -0.15	0.043
124.00	-9.89	-0.93	0.00	-18.51	0.00	18.51	1066.50	261.93	626.30	623.37	1.65	-0.15 -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	0.039
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	0.037
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		237.71	515.84	529.15	1.93	-0.17	0.033
134.00	-5.77	-0.52	0.00	-10.09	0.00	10.09	972.97	231.66	489.90	502.41	2.00	-0.17	0.027
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	0.025
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	0.024
142.00	-5.11	-0.51	0.00	-5.98	0.00	5.98	871.26	207.44	392.83	402.40	2.23	-0.16 -0.19	
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	0.021
146.00	-4.80	-0.50	0.00	-3.96	0.00	3.96	820.40	195.33	348.31	356.55			0.019
147.00	-3.09	-0.35	0.00	-3.45	0.00	3.45	807.68	192.31	337.59	345.53	2.47 2.51	-0.19	0.017
148.00	-3.02	-0.35	0.00	-3.11	0.00	3.11	794.97	189.28	327.05	334.67	2.51	-0.19	0.014
150.00	-2.90	-0.35	0.00	-2.41	0.00	2.41	769.54	183.22	306.46	313.48	2.55	-0.19	0.013
152.00	-2.77	-0.34	0.00	-1.72	0.00	1.72	769.54 744.1 1	177.17	286.54		2.63	-0.20	0.011
154.00	-2.65	-0.34	0.00	-1.03	0.00	1.03	718.69	171.12		292.98	2.71	-0.20	0.010
156.00	-2.53	-0.34	0.00	-0.34	0.00	0.34	693.26	165.06	267.29	273.18	2.80	-0.20	0.007
157.00	0.00	-0.33	0.00	0.00	0.00	0.00	680.54		248.71	254.07	2.88	-0.20	0.005
			55	0.00	0.00	0.00	000.04	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

Code:

TIA-222-H

Exposure: B

Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/7/2023

((H)) <u>IES</u>

23

Page: 54

Load Case: 1.0D + 1.0W 60 mph Wind

Topography: 1

Dead Load Factor 1.00 Wind Load Factor 1.00



Iterations

	Willia Load Factor													Tot
Elev	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	lce Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (Ib)	Dead Load (lb)
(ft)	Description				_	291.06	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
0.00		1.00	0.70	5.327	5.86 5.86	288.23	0.950	0.000		11.708	11.12	65.2	0.0	646.4
2.00		1.00	0.70	5.327	5.86	285.40	0.950	0.000		11.594	11.01	64.5	0.0	640.0
4.00		1.00	0.70	5.327	5.86	282.57	0.950	0.000		11.479	10.91	63.9	0.0	633.6
6.00		1.00	0.70	5.327	5.86	279.74	0.950	0.000		11.365	10.80	63.3	0.0	627.3
8.00		1.00	0.70	5.327 5.327	5.86	276.91	0.950	0.000		11.251	10.69	62.6	0.0	620.9
10.00		1.00	0.70	5.327	5.86	274.20	0.950	0.000		10.674	10.14	59.4	0.0	589.1
	ot - Section 2	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
12.00		1.00	0.70	5.327	5.86	271.25	0.950	0.000		11.151	10.59	62.1	0.0	1136.2
14.00		1.00	0.70	5.327	5.86	268.42	0.950	0.000		11.037	10.48	61.4	0.0	1124.4
16.00 R	RB1	1.00	0.70	5.327	5.86	265.58	0.950	0.000		10.922	10.38	60.8	0.0	1112.6
18.00		1.00	0.70	5.327	5.86	262.75	0.950	0.000		10.808	10.27	60.2	0.0	1100.8
	op - Section 1	1.00	0.70	5.327	5.86	263.12	0.950	0.000		10.693	10.16	59.5	0.0	506.2
22.00		1.00	0.70	5.327	5.86	260.29	0.950	0.000		10.579	10.05	58.9	0.0	500.8
24.00		1.00	0.70	5.327	5.86	257.46	0.950	0.000		10.464	9.94	58.3	0.0	495.3
26.00		1.00	0.70	5.327	5.86	254.63	0.950	0.000		10.350	9.83	57.6	0.0	489.9
28.00		1.00	0.70		5.86	251.91	0.950	0.000			9.72	57.0	0.0	484.4
30.00		1.00	0.70	5.331	5.92	251.69	0.950	0.000	0.92	4.653	4.42	26.1	0.0	220.2
	op - Section 2	1.00	0.71	5.377	5.97	251.38	0.950	0.000	1.08	5.468	5.19	31.0	0.0	258.8
32.00		1.00	0.71	5.431	6.08	250.68	0.950	0.000		10.007	9.51	57.8	0.0	473.5
34.00		1.00	0.73	5.526	6.18	249.83	0.950	0.000	2.00	9.892	9.40	58.1	0.0	468.0
36.00		1.00	0.74	5.616	6.27	248.84	0.950	0.000	2.00	9.778	9.29	58.3	0.0	462.6
38.00		1.00	0.75	5.704	6.37	247.72	0.950	0.000	2.00	9.663	9.18	58.5	0.0	457.1
40.00		1.00	0.76	5.788			0.950	0.000	2.00	9.549	9.07	58.6	0.0	451.7
42.00		1.00	0.77	5.869	6.46		0.950	0.000	2.00	9.435	8.96	58.6	0.0	446.2
44.00		1.00	0.78	5.948	6.54 6.63		0.950	0.000	2.00	9.320	8.85		0.0	440.8
46.00		1.00	0.79	6.024		242.14		0.000	2.00	9.206	8.75		0.0	435.3
48.00		1.00	0.80	6.098	6.71		0.950	0.000		4.560	4.33		0.0	215.6
49.00 F	RT1	1.00	0.81	6.134	6.75 6.79		0.950			4.531	4.30			214.3
50.00		1.00	0.81	6.169			0.950				8.53	58.5		424.4
52.00		1.00	0.82	6.239	6.86 6.94		0.950			8.862	8.42	58.4	0.0	419.0
54.00		1.00	0.83	6.306			0.950				8.31	58.3	0.0	413.5
56.00		1.00	0.84	6.372	7.01						8.20	58.1	0.0	408.1
58.00		1.00	0.85	6.436	7.08					8.519	8.09		0.0	402.6
60.00		1.00	0.85	6.499	7.15 7.22		0.950				7.98	57.6	0.0	397.2
62.00		1.00	0.86	6.560							7.88			391.7
64.00		1.00	0.87	6.620	7.28		0.950				3.57			177.7
	lot - Section 4	1.00	0.87	6.647	7.31						4.25			384.9
66.00 F	RB2	1.00	0.88	6.678	7.35		_				7.76			702.9
68.00		1.00	0.89	6.736			0.950				7.65			692.9
70.00		1.00	0.89	6.792		240.33	0.950	0.000			3.47			314.3
70.92 T	op - Section 3	1.00	0.90	6.817		219.33	0.950	0.000			4.07			169.0
72.00		1.00	0.90			241.09	0.950	0.000			7.43			308.5
74.00		1.00	0.91	6.900					_		3.37			139.9
74.92 T	op - Section 4	1.00	0.91	6.925		217.64	0.950				3.95			164.1
76.00		1.00	0.91			210.34	0.950	0.000		_	7.22			299.4
78.00		1.00	0.92			213.89	0.950	0.000						294.8
80.00		1.00	0.93	7.056	7.76	211.41			LIC Allrigh					

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Wind Loading - Shaft

Structure: CT00252-S-SBA

Code:

TIA-222-H

В

7/7/2023

Site Name: Prospect

Exposure:

Height:

157.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft) Gh:

Site Class: D - Stiff Soil

Gh:	1.1		Topo	graphy:	1	St	ruct C	lass: I	l			Page: 55	Tower F	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 - S	Section 6	1.00	0.96	7.295	8.02	198.54		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		0.000	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 - S	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 Appurto	enance(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 - S	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 Appurte	enance(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 Appurte	enance(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 Appurte	nance(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

Site Name: Prospect

Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Topography: 1

Code:

TIA-222-H

Exposure: В Crest Height: 0.00

D - Stiff Soil Site Class:

Struct Class: II

7/7/2023

((開))

23

Page: 56

Load Case: 1.0D + 1.0W 60 mph Wind

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



Iterations

	Elev	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)
No.	(ft)	Description		8.555	9,410	0.93	1.00	9.32	186.00	0.000	0.000	87.69	0.00	0.00
1		verwave LGP21901	6	8.578	9.436	0.80	1.00	27.53	198.30	0.000	1.500	259.75	0.00	389.62
2		Irew - SBNH-1D6565C	3	8.555	9.410	0.89	1.00	29.96	207.00	0.000	0.000	281.91	0.00	0.00
3		HPA65R-BU8A	3	8.555	9.410	0.79	1.00	12.21	132.30	0.000	0.000	114.86	0.00	0.00
4		hrein 800-10121	3	8.555	9.410	0.79	0.75	31.27	1386.00	0.000	0.000	294.25	0.00	0.00
5		ore C10-857-804	3	8.555	9.410	0.67	1.00	4.58	115.20	0.000	0.000	43.13	0.00	0.00
6		DTMABP7819VG12A	6	8.609	9.470	1.00	1.00	1.05	35.00	0.000	3.500	9.94	0.00	34.80
7	157.00 Ligh		1	8.555	9.410	0.50	1.00	0.54	7.20	0.000	0.000	5.08	0.00	0.00
8		hrein 860 10025 RET	6	8.555	9.410	0.50	1.00	3.78	153.00	0.000	0.000	35.57	0.00	0.00
9		esson RRUS-11 RRU	3	8,555	9.410	0.50	1.00	2.46	138.00	0.000	0.000	23.15	0.00	0.00
10	,	sson RRUS 4415 B25	3	8.555	9.410	1.00	1.00	1.84	63.60	0.000	0.000	17.31	0.00	0.00
11		cap DC6-48-60-18-8F	2	8.563	9.419	1.00	1.00	0.13	5.00	0.000	0.500	1.22	0.00	0.61
12		kia CS72188.01 LMU	1	8.395	9.235	0.56	0.75	29.53	1500.00	0.000	0.000	272.72	0.00	0.00
13	147.00 Sec		3	8.395	9.235	0.54	0.80	21.80	240.30	0.000	0.000	201.36	0.00	0.00
14	_	an ALP9212	9	8.141	8.955	0.68	0.75	17.54	72.00	0.000	0.000	157.04	0.00	0.00
15		844G65ZAXY	6	8.141	8.955	0.52	0.75	7.39	238.20	0.000	0.000	66.15	0.00	0.00
16	132.00 MT6		3	8.141	8.955	1.00	1.00	25.00	1500.00	0.000	0.000	223.88	0.00	0.00
17	132.00 14'		1	8.141	8.955	0.50	0.75	3.59	39.60	0.000	0.000	32.13	0.00	0.00
18		F0020F3V1-1	6	8.141	8.955	0.35	0.75	0.75	10.00	0.000	0.000	6.72	0.00	0.00
19	132.00 GPS		1	8.141	8.955	0.62	0.75	30.18	304.20	0.000	0.000	270.26	0.00	0.00
20		NHH-1D65B	6 1	8.141	8.955	1.00	1.00	2.50	220.00	0.000	0.000	22.39	0.00	0.00
21		llar Mount (3-Sided)	3	8.141	8.955	0.38	0.75	2.10	224.10	0.000	0.000	18.84	0.00	0.00
22	132.00 San		-	8.141	8.955	0.75	0.75	3.04	32.00	0.000	0.000	27.27	0.00	0.00
23		S DB-C1-12C-24AB-0Z	1	8.141	8.955	0.38	0.75	2.10	210.99	0.000	0.000	18.84	0.00	0.00
24	132.00 San	•	3	8.141	8.955	1.00	1.00	6.75	261.72	0.000	0.000	60.45	0.00	0.00
25		K12 (Handrail Kit)	1		8.955	1.00	1.00	6.30	197.00	0.000	0.000	56.42	0.00	0.00
26		SFS-H (V-Braces)	1	8.141	8,272	1.00	1.00	12.93	261.00	0.000	0.000	106.96	0.00	0.00
27		x2.875"mount pipe	3	7.520	8.272	0.72	1.00	11.06	66.00	0.000	0.000	91.49	0.00	0.00
_28	100.00 742	2 213	3	7.520	0.212	0.72	Totals		8.003.71			2.806.77		

8,003.71 Totals:

Total Applied Force Summary

Structure: CT00252-S-SBA

Site Name: Prospect

Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code:

TIA-222-H

Exposure:

В Crest Height: 0.00

Site Class:

Struct Class: II

D - Stiff Soil

Page: 57

7/7/2023



Load Case: 1.0D + 1.0W 60 mph Wind

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

Topography: 1

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		5 5.17	377.78	0.00	0.00	

Total Applied Force Summary

CT00252-S-SBA Structure:

Code:

TIA-222-H

7/7/2023

Site Name: Prospect

Exposure:

В

((cHp))

Height:

157.00 (ft)

Crest Height: 0.00

Page: 58

Height:	137.00 (11)				•	
Base E	lev: 0.000 (ft)			Site Clas	ss: D-8	Stiff Soil
Gh:	1.1	Торо	graphy: 1	Struct C	lass: II	
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	(o) attachment	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	(00) and on the	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	
144.00		33.21	162.23	0.00	0.00	
140.00		400.04	1920.05	0.00	0.00	

0.00

0.00

0.00

0.00

0.00

0.00

425.04

425.04

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

1820.05

69.48

136.24

132.61

128.98

125.34

2687.91

42,890.61

490.34

16.04

31.44

30.55

29.65

28.74

1187.87

6,823.49

(12) attachments

(40) attachments

Totals:

147.00

148.00

150.00

152.00

154.00

156.00

157.00

Structure: CT00252-S-SBA

Code: TIA-222-H

Site Name: Prospect Height: 157.00 (ft) Base Elev: 0.000 (ft)

Exposure: В Crest Height: 0.00

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1 Struct Class: ||



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 (Ib)
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 boits (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	0.02
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 boits (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.049	0.000	5.377	0.00	0.95
	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

Structure: CT00252-S-SBA

TIA-222-H Code:

7/7/2023

Site Name: Prospect 157.00 (ft) Height:

Exposure: В Crest Height: 0.00

Base Elev: 0.000 (ft)

D - Stiff Soil Site Class:

23

Gh: 1.1

Struct Class: II Topography: 1

Page: 60

Load Case: 1.0D + 1.0W 60 mph Wind

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



Iterations

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
(11)				0.000	0.63	0.10	0.00	0.050	0.000	5.526	0.00	2.08
34.00	Step bolts (ladder)	Yes	2.00 2.00	0.000	2.00	0.33	0.00	0.050	0.000	5.526	0.00	0.00
34.00	1" Reinforcing plate	Yes		0.000	0.38	0.06	0.00	0.051	0.000	5.616	0.00	0.55
36.00	Safety Cable	Yes	2.00 2.00	0.000	0.63	0.10	0.00	0.051	0.000	5.616	0.00	2.08
36.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.051	0.000	5.616	0.00	0.00
36.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.051	0.000	5.704	0.00	0.55
38.00		Yes		0.000	0.63	0.10	0.00	0.051	0.000	5.704	0.00	2.08
38.00		Yes	2.00 2.00	0.000	2.00	0.33	0.00	0.051	0.000	5.704	0.00	0.00
38.00	1" Reinforcing plate	Yes		0.000	0.38	0.06	0.00	0.052	0.000	5.788	0.00	0.55
40.00	•	Yes	2.00 2.00	0.000	0.63	0.10	0.00	0.052	0.000	5.788	0.00	2.08
40.00		Yes		0.000	2.00	0.33	0.00	0.052	0.000	5.788	0.00	0.00
40.00		Yes	2.00 2.00	0.000	0.38	0.06	0.00	0.053	0.000	5.869	0.00	0.55
42.00	Safety Cable	Yes		0.000	0.63	0.10	0.00	0.053	0.000	5.869	0.00	2.08
42.00	Step bolts (ladder)	Yes	2.00	0.000	2.00	0.33	0.00	0.053	0.000	5.869	0.00	0.00
42.00		Yes	2.00 2.00	0.000	0.38	0.06	0.00	0.053	0.000	5.948	0.00	0.55
44.00		Yes		0.000	0.63	0.10	0.00	0.053	0.000	5.948	0.00	2.08
44.00		Yes	2.00	0.000	2.00	0.33	0.00	0.053	0.000	5.948	0.00	0.00
44.00		Yes	2.00	0.000	0.38	0.06	0.00	0.054	0.000	6.024	0.00	0.55
46.00		Yes	2.00	0.000	0.63	0.10	0.00	0.054	0.000	6.024	0.00	2.08
46.00		Yes	2.00	0.000	2.00	0.33	0.00	0.054	0.000	6.024	0.00	0.00
46.00	1" Reinforcing plate	Yes	2.00	0.000	0.38	0.06	0.00	0.054	0.000	6.098	0.00	0.55
48.00		Yes	2.00	0.000	0.63	0.10	0.00	0.054	0.000	6.098	0.00	2.08
48.00		Yes	2.00	0.000	2.00	0.33	0.00	0.054	0.000	6.098	0.00	0.00
48.00	_	Yes	2.00	0.000	0.38	0.03	0.00	0.055	0.000	6.134	0.00	0.27
49.00		Yes	1.00	0.000	0.63	0.05	0.00	0.055	0.000	6.134	0.00	1.04
49.00	•	Yes	1.00	0.000	2.00	0.17	0.00	0.055	0.000	6.134	0.00	0.00
49.00		Yes	1.00	0.000	0.38	0.03	0.00	0.055	0.000	6.169	0.00	0.27
50.00		Yes	1.00	0.000	0.63	0.05	0.00	0.055	0.000	6.169	0.00	1.04
50.00		Yes	1.00	0.000	2.00	0.17	0.00	0.055	0.000	6.169	0.00	0.00
50.00		Yes	1.00	0.000	0.38	0.06	0.00	0.019	0.000	6.239	0.00	0.55
52.00		Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6.239	0.00	2.08
52.00		Yes	2.00	0.000	0.03	0.06	0.00	0.019	0.000	6.306	0.00	0.55
54.00		Yes	2.00	0.000	0.58	0.10	0.00	0.019	0.000	6.306	0.00	2.08
54.00		Yes	2.00	0.000	0.03	0.06	0.00	0.019	0.000	6.372	0.00	0.55
56.00	· ·	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6.372	0.00	2.08
56.00		Yes	2.00	0.000	0.03	0.06	0.00	0.019	0.000	6.436	0.00	0.55
58.00		Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6.436	0.00	2.08
58.00	·	Yes	2.00		0.03	0.06	0.00	0.020	0.000	6.499	0.00	0.55
60.00		Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	6.499	0.00	2.08
	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	6.560	0.00	0.55
	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	6.560	0.00	2.08
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.16	0.00	0.020	0.000	6.620	0.00	0.55
	Safety Cable	Yes	2.00		0.63	0.10	0.00	0.020	0.000	6.620	0.00	2.08
	Step bolts (ladder)	Yes	2.00	0.000	0.83	0.10	0.00	0.021	0.000	6.647	0.00	0.25
	Safety Cable	Yes	0.92	0.000	0.63	0.05	0.00	0.021	0.000	6.647	0.00	0.95
	Step bolts (ladder)	Yes	0.92	0.000	0.83	0.03	0.00	0.058	0.000	6.678	0.00	0.30
	Safety Cable	Yes	1.08	0.000		0.05	0.00	0.058	0.000	6.678	0.00	1.13
66.00	Step bolts (ladder)	Yes	1.08	0.000			0.00					

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: В Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: II

7/7/2023

(((H))) Tower Engineering Solutions

23

Page: 61

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



Iterations

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
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
	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
	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
	Safety Cable	Yes	1.92	0.000	0.38	0.06	0.00	0.073	0.000	7.295	0.00	0.52
	Step bolts (ladder)	Yes	1.92	0.000	0.63	0.10	0.00	0.073	0.000	7.295	0.00	1.99
	1" Reinforcing plate	Yes	1.92	0.000	2.00	0.32	0.00	0.073	0.000	7.295	0.00	0.00
	Safety Cable	Yes	80.0	0.000	0.38	0.00	0.00	0.073	0.000	7.297	0.00	0.02
	Step bolts (ladder)	Yes	80.0	0.000	0.63	0.00	0.00	0.073	0.000	7.297	0.00	0.09
	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
		_										

Structure: CT00252-S-SBA

Site Name: Prospect

Height: 157.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

Code: TIA-222-H

Exposure: B **Crest Height:** 0.00

Site Class: D - Stiff Soil

Struct Class: ||

Page: 62

7/7/2023

IES

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00

Topography: 1



Iterations

23

Top Elev		Wind	Length		Exposed Width	Area	CaAa	ъ.	Cf Adjust	qz (***	F X (lb)	Dead Load (lb)
(ft)	Description	Exposed	(ft)	Ca	(in)	(sqft)	(sqft)	Ra	Factor	(psf)		
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 0.00
92.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.074	0.000	7.343	0.00	0.55
94.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.075	0.000	7.389	0.00	2.08
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.075	0.000	7.389	0.00	0.00
94.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.075	0.000	7.389	0.00	0.25
	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	0.00
94.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.076	0.000	7.409	0.00	0.30
96.00	Safety Cable	Yes	1.08	0.000	0.38	0.03	0.00	0.076	0.000	7.433	0.00 0.00	1.13
96.00	Step bolts (ladder)	Yes	1.08	0.000	0.63	0.06	0.00	0.076	0.000	7.433	0.00	0.00
96.00	1" Reinforcing plate	Yes	1.08	0.000	2.00	0.18	0.00	0.076	0.000	7.433	0.00	0.55
98.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.077	0.000	7.477	0.00	2.08
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.077	0.000	7.477 7.477	0.00	0.00
98.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.077	0.000	7.477 7.520	0.00	0.55
100.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.078	0.000		0.00	2.08
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.078	0.000	7.520 7.520	0.00	0.00
100.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.078	0.000		0.00	0.55
102.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.080	0.000	7.563 7.563	0.00	2.08
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.080	0.000	7.563	0.00	0.00
102.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.080	0.000	7.605	0.00	0.55
104.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.081	0.000	7.605	0.00	2.08
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.081	0.000		0.00	0.00
104.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.081	0.000	7.605	0.00	0.55
106.00		Yes	2.00	0.000	0.38	0.06	0.00	0.082	0.000	7.647 7.647	0.00	2.08
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.082	0.000	7.647 7.647	0.00	0.00
106.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.082	0.000	7.688	0.00	0.55
108.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.084	0.000	7.688	0.00	2.08
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.084	0.000	7.688	0.00	0.00
108.00	1" Reinforcing plate	Yes	2.00	0.000	2.00	0.33	0.00	0.084	0.000	7.708	0.00	0.27
109.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.085	0.000	7.708	0.00	1.04
109.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.085	0.000	7.708	0.00	0.00
109.00	1" Reinforcing plate	Yes	1.00	0.000	2.00	0.17	0.00	0.085	0.000	7.726	0.00	0.25
109.92	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.086	0.000 0.000	7.726	0.00	0.95
109.92	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.086		7.726	0.00	0.00
109.92	1" Reinforcing plate	Yes	0.92	0.000	2.00	0.15	0.00	0.086	0.000	7.728	0.00	0.02
110.00	Safety Cable	Yes	0.08	0.000	0.38	0.00	0.00	0.087	0.000	7.728	0.00	0.09
110.00	Step bolts (ladder)	Yes	0.08	0.000	0.63	0.00	0.00	0.087	0.000 0.000	7.728	0.00	0.00
110.00	1" Reinforcing plate	Yes	0.08	0.000	2.00	0.01	0.00	0.087		7.768	0.00	0.55
112.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.029	0.000 0.000	7.768	0.00	2.08
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.029			0.00	0.55
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.030	0.000	7.807 7.807	0.00	2.08
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.030	0.000	7.846	0.00	0.55
116.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	7.846 7.846	0.00	2.08
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000 0.000	7.884	0.00	0.55
118.00	Safety Cable	Yes	2.00	0.000		0.06	0.00	0.031	0.000	7.884	0.00	2.08
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031 0.032	0.000	7.922	0.00	0.55
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.032	0.000	1.344	5.00	

CT00252-S-SBA Structure: Code: TIA-222-H

Site Name: Prospect Exposure: В 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



7/7/2023



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	C -	Exposed Width	Area	CaAa		Cf Adjust	qz	FΧ	Dead Load
		Exposed	(ft)	Ca	(in)	(sqft)	(sqft)	Ra	Factor	(psf)	(lb)	(lb)
120.00	(Yes	2.00	0.000	0.63	0.10	0.00	0.032	0.000	7.922	0.00	2.08
122.00	•	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
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.049	0.000	8.476	0.00	2.08
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.050	0.000	8.508	0.00	0.55
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.050	0.000	8.508	0.00	2.08
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.052	0.000	8.539	0.00	0.55
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.052	0.000	8.539	0.00	2.08
	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
									Tot	als:	0.0	206.1

Calculated Forces

CT00252-S-SBA Structure:

Site Name: Prospect

Height:

Gh:

157.00 (ft)

Base Elev: 0.000 (ft)

Topography: 1

Code:

TIA-222-H

В Exposure:

Crest Height: 0.00 Site Class:

D - Stiff Soil Struct Class: II

7/7/2023

Page: 64

Iterations

23

Load Case: 1.0D + 1.0W 60 mph Wind

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

Seg	Pu	Vu	Tu	Mu MZ	Mu MX	Resultant Moment	phi Pn	phi Vn	phi Tn	phi Mn	Total Deflect	Sway	Rotation Twist	Stress
Elev	FY (-)	FX (-)	MY (-)	(ft-kips)		(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
(ft)	(kips)	-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
0.00	-42.89 -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
2.00		-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
4.00	-41.44	-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
6.00	-40.72		0.00	-645.93	0.00	645.93	3808.09	1039.94	5641.43	5059.86	0.02	-0.029	0.000	0.138
8.00	-40.01	-6.59	0.00	-632.75	0.00	632.75	3788.09	1029.35	5527.07	4981.66	0.04	-0.036	0.000	0.137
10.00	-39.30	-6.53		-620,23	0.00	620.23	3768.56	1019.19	5418.57	4906.76	0.05	-0.043	0.000	0.137
11.92	-38.63	-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
12.00	-38.58	-6.47	0.00	-606.75	0.00	606.75	3746.93	1008.16	5301.85	4825.41	0.07	-0.051	0.000	0.136
14.00	-37.36	-6.41	0.00	-593.92	0.00	593.92	3725.77	997.56	5191.00	4747.39	0.10	-0.058	0.000	0.121
16.00	-36.15	-6.36	0.00		0.00	581.21	3704.22	986.97	5081.32	4669.46	0.12	-0.065	0.000	0.120
18.00	-34.96	-6.30	0.00	-581.21	0.00	568.61	2938.21	848.02	4376.49	3716.58	0.15	-0.072	0.000	0.131
20.00	-33.77	-6.24	0.00	-568.61		556.13	2924.62	838.93	4283.25	3659.53	0.18	-0.079	0.000	0.144
22.00	-33.18	-6.18	0.00	-556.13	0.00	543.76	2910.64	829.85	4191.02	3602.38	0.22	-0.087	0.000	0.142
24.00	-32.60	-6.13	0.00	-543.76	0.00	543.76 531.50	2896.28	820.77	4099.80	3545.13	0.26	-0.095	0.000	0.141
26.00	-32.02	-6.07	0.00	-531.50	0.00	519.35	2881.53	811.69	4009.57	3487.80	0.30	-0.103	0.000	0.140
28.00	-31.45	-6.02	0.00	-519.35	0.00	507.31	2866.39	802.61	3920.36	3430.42	0.34	-0.110	0.000	0.139
30.00	-30.88	-5.97	0.00	-507.31	0.00		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
30.92	-30.62	-5.94	0.00	-501.84		501.84		793.53	3832.14	3372.99	0.39		0.000	0.137
32.00	-30.32	-5.91	0.00	-495.41	0.00	495.41	2850.86		3744.93	3315.53	0.44		0.000	0.136
34.00	-29.76	-5.86	0.00	-483.58		483.58	2834.95	784.44 775.36	3658.72	3258.05	0.50		0.000	0.135
36.00	-29.21	-5.80	0.00	-471.87		471.87	2818.65		3573.52	3200.58	0.56		0.000	0.134
38.00	-28.66	-5.75	0.00	-460.26		460.26	2801.96	766.28		3143.12	0.62		0.000	0.132
40.00	-28.12	-5.69	0.00	-448.77		448.77	2784.89	757.20	3489.32 3406.12	3085.70	0.68		0.000	0.131
42.00	-27.59	-5.64	0.00	-437.38		437.38	2767.43	748.12			0.75		0.000	0.130
44.00	-27.06	-5.58	0.00	-426.11	0.00	426.11	2749.58	739.04	3323.93	3028.33	0.75		0.000	0.129
46.00	-26.53	-5.52	0.00	-414.96	0.00	414.96	2731.34	729.96	3242.74	2971.03			0.000	0.127
48.00	-26.01	-5.47	0.00	-403.91	0.00	403.91	2712.72	720.87	3162.56	2913.81	0.90		0.000	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		0.000	0.146
49.00	-25.75	-5.44	_	-398.44	0.00	398.44	2703.26	716.33	3122.84	2885.23	0.94		0.000	0.147
50.00	-25.50	-5.41	0.00	-393.01	0.00	393.01	2693.71	711.79	3083.38	2856.68	0.98			0.146
52.00	-24.99	-5.36	0.00	-382.18	0.00	382.18	2674.32	702.71	3005.20	2799.67	1.06		0.000	0.148
54.00	-24.49	-5.30		-371.47	0.00	371.47	2654.53	693.63	2928.03	2742.78	1.15		0.000	
56.00	-23.99	-5.24		-360.88		360.88	2634.36	684.55		2686.04	1.24		0.000	0.144
58.00	-23.50	-5.19		-350.39		350.39	2613.81	675.47		2629.46	1.34		0.000	0.142
60.00	-23.01	-5.13				340.01	2592.86	666.39	2702.53	2573.06	1.44		0.000	0.14
	-23.01	-5.08				329.75	2571.53	657.30	2629.37	2516.85	1.55		0.000	0.140
62.00	-22.53 -22.06	-5.02				319.60	2549.81	648.22	2557.22	2460.85	1.66		0.000	0.139
64.00		-5.02 -5.00				314.99	2539.73	644.06	2524.48	2435.25	1.71		0.000	0.138
64.92	-21.84					309.58	2527.71	639.14		2405.07	1.77		0.000	0.11
66.00	-21.41	-4.96				299.65	2505.22	630.06	2415.92	2349.53	1.89	-0.288	0.000	0.11
68.00	-20.62					289.84	2482.34		2346.78			-0.297	0.000	0.11
70.00	-19.85					285.40	1926.34	521.86	1988.87	1797.99	2.07	-0.302	0.000	0.122
70.92	-19.49					280.17	1918.38		1957.74			-0.307	0.000	0.13
72.00	-19.28				_	270.59	1903.38	510.19					0.000	0.13
74.00	-18.89				_		1896.38		1875.17				0.000	0.13
74.92	-18.71	-4.71				266.25	1896.38		1875.17				0.000	0.13
74.92	-18.71	-4.71				266.25	1888.00		1844.95				0.000	0.13
76.00	-18.50	-4.68	0.00	-261.14	0.00	261.14	1000.00	302.02	10-14-30	1000.01				

Calculated Forces

7/7/2023

((H)))

Structure: CT00252-S-SBA Code: TIA-222-H

 Site Name:
 Prospect
 Exposure:
 B

 Height:
 157.00 (ft)
 Crest Height:
 0.00

156.00

157.00

-2.67

0.00

-1.23

-1.19

0.00

0.00

-1.65

-0.43

0.00

0.00

1.65

0.43

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

Gh: 1.1 Tower Engineering Solutions Topography: 1 Struct Class: Ш Page: 65 78.00 -18.12 -4.63 0.00 -251.78 0.00 251.78 1872.23 495.06 1789.81 1657.12 2.54 -0.3390.000 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 -0.3490.000 0.128 82.00 -17.37 -4.520.00 -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 -0.3710.000 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 -0.3820.000 0.121 88.00 -16.27 -4.360.00 -206.57 0.00 206.57 1787.57 457.22 1526.66 1460.40 3.31 -0.3930.000 0.119 89.92 -15.93-4.310.00 -198.21 0.00 198.21 1770.24 449.96 1478.61 1423.12 3.47 -0.4030.000 0.116 90,00 -15.91 -4.310.00 -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 -189.23 0.00 0.00 189.23 1751.00 442.08 1427.26 1382.80 3.65 -0.415 0.000 0.113 94.00 -14.78-4.200.00 -180.720.00 180.72 1732,14 434.51 1378.81 1344 29 3.83 -0.4260.000 0.111 94.92 -14.53 -4.180.00 -176.87 0.00 176.87 1262.32 349.97 1118.08 987.98 3.91 -0.4310.000 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 -0.4370.000 0.139 98.00 -14:08 -4.100.00 -164.04 0.00 164.04 1245.44 340.64 1059.23 948.60 4.19 -0.4490.000 0.135 100.00 -3.85 -13.470.00 -155.84 0.00 155.84 1234.00 334.58 1021.92 923.07 4.38 -0.4620.000 0.131 102.00 -13.20-3.80-148.14 0.00 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 -140.54 0.00 0.00 140.54 1209.95 322.47 949 29 872.10 4.78 -0.487 0.000 0.124 106.00 -12.67 -3.700.00 -133.04 0.00 133.04 1197.35 316.42 913,98 846.70 4 99 -0.4990.000 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 -0.5110.000 0.116 109.00 -12.28-3.630.00 -121.97 0.00 121.97 1177.71 307.34 862.27 808.75 5.31 -0.517 0.000 0.114 109.00 -12.28-3.630.00 -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 -3.610.00 -118.65 0.00 118.65 1171.54 304.56 846.77 797.19 5.41 -0.5230.000 0.159 109.92 -12.16 -3.61 0.00 -118.650.00 118.65 1171.54 304.56 846.77 797.19 5.41 -0.5230.000 0.159 110.00 -12.15-3.61 0.00 -118.350.00 118.35 1170.98 304.31 845.36 796 14 5.42 -0.5240.000 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 -3.480.00 -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 -3.430.00 -90.01 0.00 90.01 1113.60 280.09 716.17 696.43 6.35 -0.5920.000 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 -0.6250.000 0.128 124.00 -10.47 -3.300.00 -69.67 0.00 69.67 1066.50 261.93 626.30 623.37 7 13 -0.6410.000 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 -10.02-3.220.00 -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 -3.180.00 -50.09 0.00 50.09 1015.91 243.77 542.45 552.28 7.96 -0.6860.000 0.101 132.00 -6.29 -2.140.00 -43.730.00 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 -5.92-2.060.00 -35.240.00 35.24 947.54 225.60 464.63 476.37 8.85 -0.7250.000 0.080 138.00 -5.75 -2.030.00 -31.11 0.00 31.11 922.11 219.55 440.03 451.02 9 16 -0.7370.000 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 -0.7490.000 0.070 142.00 -540-1.950.00 -23.080.00 23.08 871.26 207.44 392.83 402.40 9.78 -0.7600.000 0.064 144.00 -5.24-1.920.00 -19.17 0.00 19.17 845.83 201.39 370.23 379.13 10.10 -0.7690.000 0.057 146.00 -5.08 -1.880.00 -15.330.00 15.33 820.40 195.33 348.31 356.55 10.43 -0.7780.000 0.049 147.00 -3.26-1.370.00 -13.450.00 13.45 807.68 192.31 337.59 345.53 10.59 -0.7820.000 0.043 148.00 -3.19-1.350.00 -12.080.00 12.08 794.97 189.28 327.05 334.67 10.76 -0.7860.000 0.040 150.00 -3.06 -1.320.00 -9.37 0.00 9.37 769.54 183.22 306.46 313.48 11.09 -0.7930.000 0.034 152.00 -2.92 -1.290.00 -6.740.00 6.74 744.11 177.17 286.54 292.98 11.42 -0.7980.000 0.027 154.00 -2.80-1.26 0.00 -4.160.00 4.16 718.69 171.12 267.29 273.18 11.76 -0.803 0.000 0.019

693.26

680.54

165.06

162.03

248.71

239.68

254.07

244.77

12.09

12.26

-0.805

-0.805

0.000

0.000

0.010

0.002

Final Analysis Summary

Structure: CT00252-S-SBA

Topography: 1

Site Name: Prospect 157.00 (ft) Height:

Base Elev: 0.000 (ft)

Gh: 1.1 Code:

TIA-222-H

Exposure:

В

Crest Height: 0.00 Site Class:

D - Stiff Soil

Struct Class: II

7/7/2023

Page: 66

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		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
	44.00	-15.70	0.00	-516.02	0.00	-516.02	1171.54	304.56	846.77	797.19	109.92	0.662
1.2D + 1.0W 118 mph Wind	-14.02		•	-524.86	0.00	-524.86	1177.71	307.34	862.27	808.75	109.00	0.652
0.9D + 1.0W 118 mph Wind	-10.48	-15.64	0.00				1171.54	••••	846.77	797.19	109.92	0.187
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-23.20	-4.01	0.00	-133.15	0.00						109.92	0.053
1.2D + 1.0Ev + 1.0Eh	-15.16	-0.94	0.00	-31.59	0.00	0	1171.54		846.77	797.19		•
	-11.49	-0.94	0.00	-31.71	0.00	-31.71	1171.54	304.56	846.77	797.19	109.92	0.050
0.9D + 1.0Ev + 1.0Eh			0.00	-118.65	0.00	-118.65	1171.54	304.56	846.77	797.19	109.92	0.159
1.0D + 1.0W 60 mph Wind	-12.16	-3.61	0.00	-110.00	0.00	110.00						

Additional Steel Summary

raun			324	ermedi		Lov	ver Te	rminat	ion	Up		rminat	ion	1	Max Mer	17.10.11212	
Elev From	Elev To	Member	VQ/I (lb/in)	Vu (kips)	phi Vn	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	Pu (kips)	phi Pn (kips)	phi Tn (kips)	Ratio
(ft)	(ft)		,,	-1.91	25.3	65.4	25.3	3	0	70.1	25.3	3	0		171.6 1	55.36	0.465
16.0		(3) PLT-C6x10.5(1.5" Hole)	-79.5						0	66.3	25.3	3	n	75 77	171.6 1	55.36	0.488
66.0	109.0	(3) PLT-C6x10.5(1.5" Hole)	-164.5	-3.95	25.3	68.2	25.3	3	U	00.3	20.0	3	· ·	70.77	11 110		



Mone	opole Mat Found	ation Design	Date
	speic mat i caria	ation besign	7/7/2023
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:	

Foundation Info Obtained from:		Drawings/Calculations					
Structure Type:		Monopole					
Analysis or Design?		Analysis		-	1,00	1	0.00
Base Reactions (Factored):					* 7//	V	1
Axial Load (Kips):	51.5	Shear Force (Kips):	29.5			9 #	4
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3036.2		21.0	40 #	8
Foundation Geometries:					7.0	40 # 40 #	8
Diameter of Diar (ft).	7.0	Mods required -Yes/No ?:				40 #	8
Diameter of Pier (ft.): Pier Height A. G. (ft.):	7.0	Depth of Base BG (ft.):	7.0		0000	•	1
, ,	1.00	Thickness of Pad (ft):	3.00			0	3.00
Length of Pad (ft.):	28	Width of Pad (ft.):	28		K		
Final Length of pad (ft)	28.0	Final width of pad (ft):	28.0		28.0		0.0
Material Properties and Reabr Info):						1
Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi	7.0		1 1
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	KSI			
Vertical Rebar Size #:	8	Tie / Stirrup Size #:	4		28.0		28.0
Qty. of Vertical Rebars:	70	Tie Spacing (in):	12.0		28.0		W
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	8				4
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	n of	70 # 8		Ĩ J.
Rebar at the bottom of the concrete		onit weight of concrete.	150.0	pcf			-X
Qty. of Rebar in Pad (L):	· 40	Qty. of Rebar in Pad (W):	40	4	<u> </u>	_	0.0
Rebar at the top of the concrete page		qty. or nebal in Fad (W).	40		0.0	(-)	0.0
Qty. of Rebar in Pad (L):	40	Qty. of Rebar in Pad (W)	40		< 28,0 L		>
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				
Ultimate Bearing Pressure (psf):	8000	Ultimate Skin Friction:	0	pcf Psf	Angle from Top of Pad: 30 Angle from Bottm of Pad: 25		
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for beari		Yes			
Consider soil hor, resist, for OTM.:	Yes	Reduction factor on the m					
Foundation Analysis and Design:	Uplift Str	ength Reduction Factor:	0.75	Comp	procesion Strongth Radication Fortune 0.75		
Total Dry Soil Volume (cu. Ft.):	,		2982.06		pression Strength Reduction Factor: 0.75 Dry Soil Weight (Kips): 402.58		
Total Buoyant Soil Volume (cu. F	t.):		0.00		Dry Soil Weight (Kips): 402.58 Buoyant Soil Weight (Kips): 0.00		
Total Effective Soil Weight (Kips)):		402.58		ht from the Concrete Block at Top (K): 0.00		
Total Dry Concrete Volume (cu.			2544.42		Dry Concrete Weight (Kips): 381.66		
Total Buoyant Concrete Volume			0.00		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 th	e base (psf):	1617	<	Allowable Factored Soil Bearing (psf): 6000	0.27	OK!
Allowable Foundation Overturning R Factor of Safety Against Overturning	esistance (O. R. Mo	(kips-ft.): ment/Design Moment):	10602.4 3.52	> OK!	Design Factored Momont (kips-ft): 3014	0.28	OK!

<u>Check the capacities of Reinforceing Concrete:</u> Strength reduction factor (Flexure and axial tension):	0.90		th reduction factor (Shear):	0.75	
Strength reduction factor (Axial compresion):	0.65	Wind	Load Factor on Concrete Design:	1.00	Load/ Capaci Ratio
(1) Concrete Pier:	0.79		Tie / Stirrup Area (sq. in./each):	0.20	No.
Vertical Steel Rebar Area (sq. in./each):	8827.9	>	Design Factored Moment (Mu, Kips-F	3183.7	0.3
Calculated Moment Capacity (Mn, Kips-Ft):	589.7	>	Design Factored Shear (Kips):	29.5	0.0
Calculated Shear Capacity (Kips):	2986.2	>	Design Factored Tension (Tu Kips):	0.0	0.0
Calculated Tension Capacity (Tn, Kips):	7275.1	>	Design Factored Axial Load (Pu Kips):	51.5	0.0
Calculated Compression Capacity (Pn, Kips):	0.36	OK!	Check Tie Spacing (Design/Required):		1
Moment & Axial Strength Combination:		OK	Reinforcement Ratio is satisfied per A	CI	
Pier Reinforcement Ratio:	0.010		Remod cement nations satisfied per 71	. .	
(2).Concrete Pad:	897.2	>	One-Way Factored Shear (L-D. Kips):	214.1	0.2
One-Way Design Shear Capacity (L-Direction, Kips):	897.2	>	One-Way Factored Shear (W-D., Kips)	214.1	0.
One-Way Design Shear Capacity (W-Direction, Kips):	870.9	>	One-Way Factored Shear (C-C, Kips):	190.3	0
One-Way Design Shear Capacity (Corner-Corner. Kips):	0.0029	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0029	
Lower Steel Pad Reinforcement Ratio (L-Direct.):	4464.2	>	Moment at Bottom (L-Dir. K-Ft):	1335.8	0.
Lower Steel Pad Moment Capacity (L-Direction, Kips-ft):	4464.2	>	Moment at Bottom (W-Dir. K-Ft):	1335.8	0.
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	6265.5	>	Moment at Bottom (C-C Dir. K-Ft):	1889.1	0.
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	0.0029	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0029	
Upper Steel Pad Reinforcement Ratio (L-Direct.):	4464.2	>	Moment at the top (L-Dir K-Ft):	521.3	0.
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	4464.2	>	Moment at the top (W-Dir K-Ft):	521.3	0.
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	6265.5	>	Moment at the top (C-C Dir. K-Ft):	487.4	0.
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	0203.3		Monte de die de p		
(3).Check Punching Shear Capacity due to Moment in the Pier:	1214.5	k-ft.	Max. factored shear stress v _{u_CD} :		2
Moment transferred by punching shear:	9.2	Psi	Factored shear Strength ϕv_n :		16
Max. factored shear stress v _{u_AB} :	9.2	Psi	Check Usage of Punching Shear Ca	pacity:	0.
Max, factored shear stress v_u :	9.2	P51	Check bage of Fancing and	F,	
(4) Check Bending Capacity of the Pad Within the Effective Slab Width:	010.0	1. 6.	Effective Width for resisting OT mome	nt.	16
Overturning moment to be transferred by flexure:	910.9	k-ft.	Actual number of Rebar in Effective w		2
Calculated number of Rebar in Effective width:	23	1. 6.	Check Usage of the Flexure Capaci		0.
Steel Pad Moment Capacity (L-Direc. Kips-ft):	2566.3	k-ft.	Clieck Osage of the Hexare capaci	-, -	-

		0	
			ě
	3.5%		
	ev K		





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 Verizon Wireless

Carrier Name: 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



July 10, 2023 Site ID: 5000385161-VZW / PROSPECT CT Page | 2

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks		
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 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 S	Standards:	ANSI/TIA-2:	22

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

Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), Vult:	120 mph
	loo Wind Conned (O O+)	E0 1

Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: Ш Exposure Category: С Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, Ke: 0.971

Seismic Parameters: Ss: 0.201 g

S₁: 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
	6	KAelus	BSF0020F3V1-1	Added	
		6	Decibel	DB844G65ZAXY	
		6	Andrew	SBNHH-1D65B	
130.00	132.00	3	Samsung	MT6407-77A	Retained
130.00	132.00	1	Raycap	OVP-12	Ketanico
		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:

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

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

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

- For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
- All member connections are assumed to have been designed to meet or exceed the load carrying capacity
 of the connected member unless otherwise specified in this report.
- The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

July 10, 2023 Site ID: 5000385161-VZW / PROSPECT CT Page I 4

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

o Channel, Solid Round, Angle, Plate

ASTM A36 (Gr. 36)

o HSS (Rectangular)

ASTM 500 (Gr. B-46)

o Pipe

ASTM A53 (Gr. B-35)

Threaded Rod

F1554 (Gr. 36)

o Bolts

ASTM A325

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design 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	Mount Pipes Excluded		Mount Pipes Excluded		Mount Pipe	s Included
Thickness (In)	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

July 10, 2023 Site ID: 5000385161-VZW / PROSPECT CT Page | 5

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	
I IN/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
 - o Photo of Gate Signs showing the tower owner, site name, and number.
 - o Overall tower structure after installation.
 - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- Photos taken at Mount Elevation
 - o Photos showing the safety climb wire rope above and below the mount prior to installation.
 - o Photos showing the climbing facility and safety climb if present.
 - o 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.
\Box The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.
OR
\Box 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:
\square The contractor has read and acknowledges the above special instructions.
\square All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.
☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.
OR
\square 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 n	new damage created during the current installation:
□Yes □	No
Contractor to certify the	condition of the safety climb and verify no damage when leaving the site:
☐ Safety Climb in	Good Condition
Certifying Individual:	
Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Structure: 5000385161-VZW - PROSPECT CT

Sector:

Mount Elev:

Structure Type: Monopole

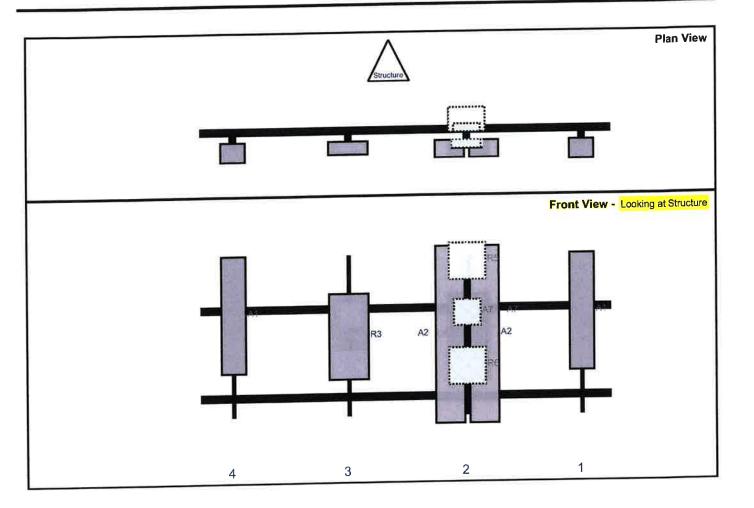
130.00

10206278

7/10/2023



Page: 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
	DB844G65ZAXY	48	10	156	1	а	Front	24	0	Retained	02/02/2023
A1		72.6	11.9	109	2	а	Front	33	7	Retained	02/02/2023
A2	SBNHH-1D65B	72.6	11.9	109	2	b	Front	33	-7	Retained	02/02/2023
A2	SBNHH-1D65B	15	15	109	2	а	Behind	3	0	Retained	02/02/2023
R5	RF4439d-25A	15	15	109	2	b	Behind	45.96	0	Retained	02/02/2023
R6	RF4440d-13A	10.6	10.9	109	2	а	Behind	24	0	Added	
A7	BSF0020F3V1-1	10.6	10.9	109	2	b	Front	24	0	Added	
A7	BSF0020F3V1-1	35.1	16.1	60.5	3	а	Front	33.36	0	Retained	02/02/2023
R3	MT6407-77A	48	10	13.5	4	8	Front	24	0	Retained	02/02/2023
A1	DB844G65ZAXY RHSDC-6627-PF-48	29.5	16.5		Memb	er		-		Retained	02/02/2023

Structure: 5000385161-VZW - PROSPECT CT

Sector:

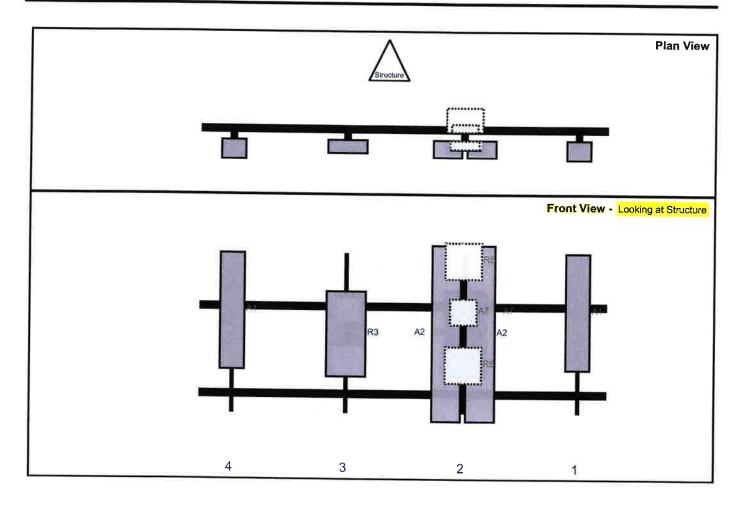
Structure Type: Monopole Mount Elev: 130.00

10206278

7/10/2023

Colliers Engineering & Design

Page: 2



		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model	(in)	(in)	Frm L.	#	Pos V	Pos	$\text{Frm } T_{\mathfrak{p}}$	H Off	Status	Validation
A1	DB844G65ZAXY	48	10	156	1	а	Front	24	0	Retained	02/02/2023
A2	SBNHH-1D65B	72.6	11.9	109	2	а	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	а	Behind	3	0	Retained	02/02/2023
R6	RF4440d-13A	15	15	109	2	ь	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	ь	Front	24	0	Added	
R3	MT6407-77A	35.1	16.1	60.5	3	а	Front	33.36	0	Retained	02/02/2023
A 1	DB844G65ZAXY	48	10	13.5	4	а	Front	24	0	Retained	02/02/2023

Sector:

Mount Elev:

Structure Type: Monopole

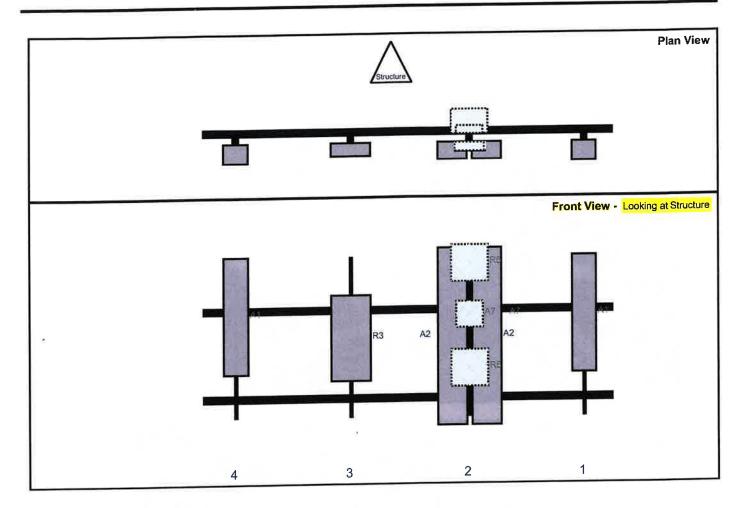
130.00

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7/10/2023

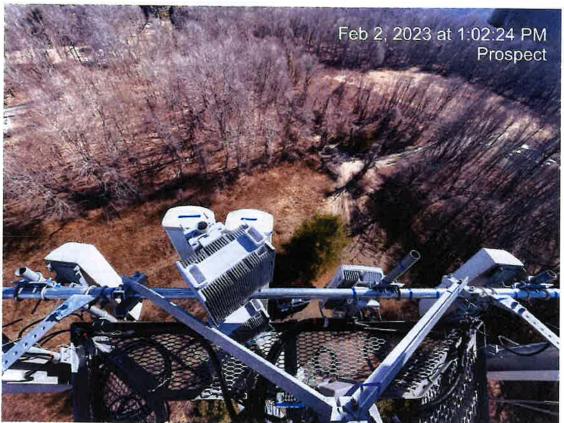


Page: 3



Pipe	e Pipe	Ant	C. Ant	Ant		
#	Pos V	Pos	Frm T _s	H Off	Status	Validation
1	а	Front	24	0	Retained	02/02/2023
2	а	Front	33	7	Retained	02/02/2023
2	b	Front	33	-7	Retained	02/02/2023
2	а	Behind	3	0	Retained	02/02/2023
2	b	Behind	45.96	0	Retained	02/02/2023
2	а	Behind	24	0	Added	
2	ь	Front	24	0	Added	
3	а	Front	33.36	0	Retained	02/02/2023
4	а	Front	24	0	Retained	02/02/2023
						T 1 04 0 Patried





V4.0 Updated on 3-31-2021



	CONTRACTOR OF THE PARTY OF THE			PCC#
Antenna Mount Mapping Form (PATENT PENDING) Tower Owner: SBA Mapping Date:		Form (PATENT PENDING)		1051829
	ISBA	Mapping Date:	4/14/	
The state of the s		Tower Type:	Monopole	
Site Name:	21777746	Tower Height (Ft.):	16	
Site Number or ID:	Structral Components	Mount Elevation (FL):	12	26

Mapping Contractor: Structral Components

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

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	eometries [Unit = Inches] Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizonta Offset "C1 C2, C3, etc.
A1	2-3/8x0.154x72	44.00	12.00	Cl	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	2-3/8×0.154×72	45.00	154.50	C4	2-3/8x0.154x72	45.00	154.50
A5	2-31-011-11-11			CS			
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.SO	D4			
85	E aj onoras milo			DS			
86				D6			
	Distance between bottom ra	il and mour	t CL elevati	on (dim d). Unit is inches. See 'Mount Elev Ref	tab for details. :	
_	Distance from t	op of botto	m support r	all to low	est tip of ant./egpt. of Carrier above.	N/A If > 10 ft.):	95.5
_	Distance from to	on of botton	n support ra	il to high	est tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.):	
	Distance from the	Plaata ent	er addition:	I infomat	ion or comments below.		
107	from main arm to plats	, icose cire					
ys weld	from main arm to plate			27.			
Tention Fo	w Width at Mount Elev. (ft.):	7	Tower Leg	Size or Pol	e Shaft Diameter at Mount Elev. (in.): doff to the plate bolting into the collar m		26.75

SECTOR 8	-SECTOR C
LEG B	LEG C
SECTOR A LEG A	Horizontal Offset 'h'

14 14	Antra A	Antas a	Anta E	Antes &	Antre
_	ā	3	ă		
21	Antiu	Artis	Antse	Ante	Antisa
		C3 C4	C5		

	Enter antenn	a model.	If not label	ed, enter '	'Unknown'	5	Mountin [Units are incl	g Locations nes and de		Photos o antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center- line (Ft.)	Vertical Distances"b _{1a} , b _{2a} , b _{3a} , b _{1b} " (Inches)	Horiz Offset "h" (Use "-" If Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
					Sector A					
Ant,	unknown	9.50	8.00	48.00	jumpers	127.417	27.00	11.00	20.00	11, 17
Antıb	RFS Diplexor	6.50	0.75	5.00) 1-5/8" T	127.333	28.00	-2.50		34
Antac										
Ant _{2a}	sbnhh-1d65b	12.00	7.00	73.00	jumpers	127.792	36.50	9.00	20.00	11, 17
Antah	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
Antac		0 = 9								
Antia	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" 1	127.333	29.00	-3.00		94
Ant _{4c}										
Antsa										
Antsb				-						_
Antsc										_
Ant on Standoff	Raycap SSD	14.00	10.00	19.00	5° Hybri	128.5				
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Sector A:	4		gree)		zimuth (Degree)						Sector	В				
Sector A:	~	Sector	E 09		ich Sector	Antıa	unknown	9.50	8.00	48.00		127.083	29.00	10.00	140.00	12, 15
	20.0		eg Leg A		Deg	Ant _{1h}	RFS Diplexor	6.50	0.75	5.00) 1-5/8*	127.333	26,00	-2.50		106
Sector 8:	140.0	-	eg Leg B		Deg	Ant _{1c}										
Sector C: Sector D:	260.0		eg Leg C		Deg	Ant _{2a}	sbnhh-1d65b	12.00	7.00	73.00	jumpers			9.00	140.00	12, 15
Sector D.	_			cility Information	Deg	Ant _{2b}	b13 rrh4x30	12.00	7.50	20.50	jumpers	128.5	28.00	-7.00		111
Location:	f1	_	eg	Sector B		Ant _{2c}	sbnhh-1d65b	12.00	7.00	72.00		427 700	4550	-		-
		rosion		Good condition.		Ant _{3b}	unknown radio	12.00	7.00	73.00	jumpers	_	36,50	9.50	140.00	12, 15
Climbing Facility		Acces		Climbing path was	unobstructed.	Antac	LITTLE OF THE PARTY OF THE PART	11.50	7.00	23.30	jumpers	128.833	24.00	-6.00		114
Pacinty		Conditio	on:	Good condition.		Ant _{4e}	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) 1-5/8"	127.292	29.50	-2.50	2.0.00	119
						Ant _{4c}										
						Ant _{Sa}										
						Ant _{5b}										
						Ant _{5e}		-								
						Standoff										
						Ant on										
						Standoff Ant on		-								
Plea	se insert	a photo	or the m	ount centerline mea	surement here.	Tower										
						Ant on Tower										
						Tower				L	Sector C				-	<u> </u>
						Ant _{le}	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" 1	127.208	29.50	-2.50		125
						Antle										
						Ant _{2a}	sbnhh-1d65b	12.00	7.00	73.00	jumpers		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
		4	200			Ant _{2c}	sbnhh-1d65b	12.00	7.00	73.00		427.050	3450	0.00	****	
e e	1	4/	1 HA	<u>, f-</u>		Ant _{3b}	unknown radio	11.50	7.00	25.50	jumpers jumpers	127.958 128.458	34.50 28.50	9.00	260.00	13, 16
- 1	1	1	113			Antac		22100	7.00	23.30	Jampers	120.430	20.30	-7.00		135
4	_	- 144				Ante	unknown	9.50	8.00	48.00	jumpers	127.417	28.00	10.00	260.00	13, 16
-	7	711		U tratauras	Ť	A⊓t _®	RFS Diplexor	6.50	0.75	5.00) 1-5/8" 1	127.083	32.00	-3.00		141
-	HO 18	_ [ii]			DEPARE FROM TOP OF MAN	Ant _{ec}										
-			1.4.		DSPACE FROM TCP OF MAN FLABOUR MENSION TO MANDA TO OF ANTI-MENT OF CAMPIEN ABOVE INVA IF 3 TO FT.)	Ant _{Sa}		-								
		111				Ant _{Sb} Ant _{Sc}			-							
ht.	7	6	п.	——Ļ	NATION WINDS IN AT MAKE	Ant on		+		_ =	-				_	
		. 111	111	r ir ir icrio	COLUMN TO COME THE PARTY	Standoff										
Ī	1 1	ήH	1111	Г	==:	Ant on Standoff										
			1111			Ant on		1								
1	=	117		- ·		Tower										
free free	-	-FI	1	ų.		Ant on Tower										
-		Por e	SHEET.	- 12							Sector D	-				
				r H		Ant ₁								0		
11						Ant _{1b}		_								
	m	Ų=		- U		Ant _{1e}		1								
			/	T) N OF ENERGY	T	Ant _{2b}		1			==					
-	1 3		6		DISTANCE FROM TOP OF BUTTON	Ant _{2c}										
Į.					CAVE S TO ELD TO STANCE LESS TO ELD TO	Ant _{3e}				-						
	-					Ant _{3b}										
Ę	1	Ų.		l l	†	Ant _{3c}										
THE SECONDS	1-	5	/	(20)	SCHOOL FOR THE OF SCHOOL SCHOOL OF CHARGE SETS SCHOOL OF CHARGE SETS SCHOOL OF CHARGE SETS	Ant _{4a}										
2		8	10	A Athen		Ant _{4b}										
						Ant _{sa}		1								
1 1	0		T A	7	i	Ant _{Sb}										
		2704			l	Ant _{5c}										
35		25 II		-	l	Ant on										
or T-Arms/F	Platforms	on mon	opoles, rec	ord the weld size fron	n the main standoff	Standoff Ant on		1								
nember to t	he plate b	olting in	to the coll	ar. See below for refe	rence.	Standoff										
11	/	~			//	Ant on										
71			0		\checkmark	Tower Ant on		1						-		
1	15	Ŧ	-3.35 434-4		7	Tower								W		
1	17	1	4		\approx											
	77			1												
				Accuracy -	M size men											
				STANGER / INTO COLL	D SIZE FPOM PLATE BOLLING MEUNT											
			0.000	000												

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

		Observed Obstructions to Tower Lighting System	nt as a
tower lighting postern is being obstructed by the carr	ier'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.
- Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.
- 4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.

 5. Take and label the photos of the tower, mounts, connections, antennas and all measurements, Minimum 50 photos are required.
- Please measure and report the size and length of all existing antenna mounting pipes.
- Please measure and report the antenna information for all sectors.
- Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

Standard Conditions

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

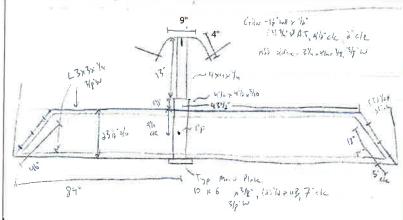


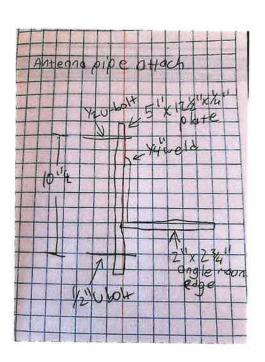
			V4.0 Updated on 3-31-;	2021
	Antenna Mount Mapping	Form (PATENT PENDING)	TO SEE TRANSPORT	FCC#
				1051829
Tower Owner:	SBA	Mapping Date:	4/14/20	121
Site Name:	Prospect	Tower Type:	Monop	
Site Number or ID:	21777746	Tower Height (Ft.):	160	
Mapping Contractor:	Structral Components	Mount Elevation (Ft.):	126	

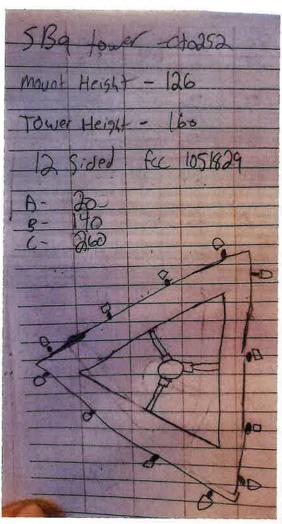
Mapping Confractor: Structral Components Mount Elevation (FL): 126

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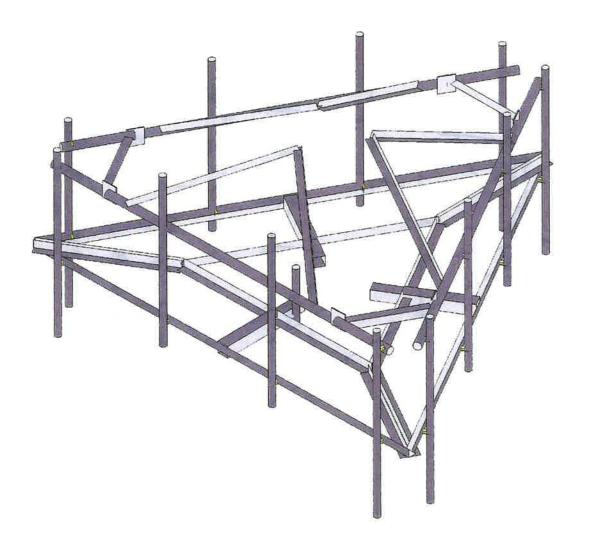
Please Insert Sketches of the Antenna Mount



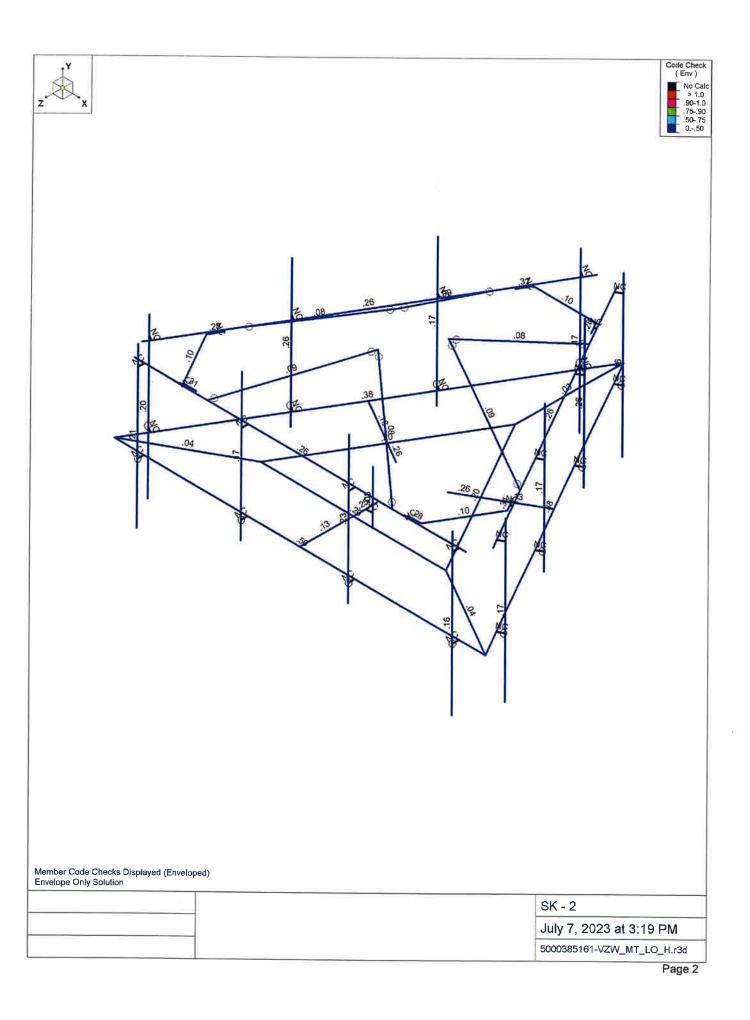


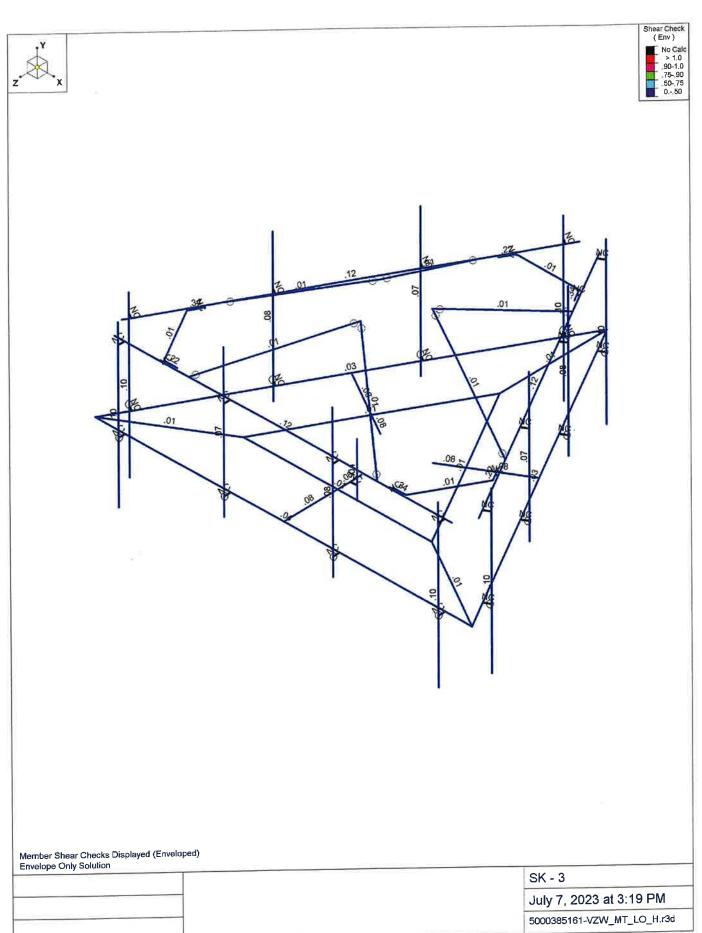






SK - 1
July 7, 2023 at 3:19 PM
5000385161-VZW_MT_LO_H.r3d





Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me	Surface(P
1	Antenna D	None		2			120		1
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	+	1
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		-1
22	Antenna Wi (210 Deg)	None					120		1
23	Antenna Wi (240 Deg)	None					120		
24	Antenna Wi (270 Deg)	None							
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	1				120		
29	Antenna Wm (60 Deg)	None					120		
	Antenna Wm (90 Deg)	None					120		
31	Antenna Wm (120 Deg)	None					120		
	Antenna Wm (150 Deg)	None					120		
	Antenna Wm (180 Deg)	None	+				120		
	Antenna Wm (210 Deg)	None					120		
	Antenna Wm (240 Deg)	None					120		1
	Antenna Wm (270 Deg)	None	-				120		_
37	Antenna Wm (300 Deg)						120		
	Antenna Wm (330 Deg)	None		_			120		
39	Structure D	None	1	4			120		
40	Structure Di	None		-1				3	
41	Structure DI Structure Wo (0 Deg)	None						46 3	
	Structure Wo (30 Deg)	None						92	
		None						92	
	Structure Wo (60 Deg)	None						92	
	Structure Wo (90 Deg)	None						92	
	Structure Wo (120 D	None						92	
	Structure Wo (150 D	None						92	
	Structure Wo (180 D	None						92	
	Structure Wo (210 D	None						92	
77	Structure Wo (240 D	None						92	
	Structure Wo (270 D	None						92	
	Structure Wo (300 D	None						92	
	Structure Wo (330 D	None	1					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		A STATE OF THE STA					92	
55 Structure Wi (60 Deg							92	
56 Structure Wi (90 Deg							92	
57 Structure Wi (120 De							92	
58 Structure Wi (150 De							92	
59 Structure Wi (180 De							92	
60 Structure Wi (210 De							92	
61 Structure Wi (240 De							92	
62 Structure Wi (270 De							92	
63 Structure Wi (300 De							92	
64 Structure Wi (330 De							92	
65 Structure Wm (0 Deg							92	
111 100 5							92	
66 Structure Wm (30 De 67 Structure Wm (60 De							92	
91							92	
-							92	
-							92	
							92	
			h .				92	
10.10.0							92	
**							92	
							92	
							92	
76 Structure Wm (330 D	None None	+				1		
77 Lm1	None					1		
78 Lm2		+				1		
79 Lv1	None	-				1		
80 Lv2	None					120		
81 Antenna Ev	None					80		
82 Antenna Eh (0 Deg)						80		
83 Antenna Eh (90 Deg			024	-		- 00	3	
84 Structure Ev	ELY		024	06			3	
85 Structure Eh (0 Deg		- 00		06		1	3	
86 Structure Eh (90 Deg		.06	-				30	
87 BLC 39 Transient Are							30	
88 BLC 40 Transient Are							30	
89 BLC 84 Transient Are						7	30	+
90 BLC 85 Transient Are							30	
91 BLC 86 Transient Are	None					1	30	

Load Combinations

	Description	Sol	P 5	S B	. Fa	В	Fa	В.,	.Fa	В	Fa	В	Fa	B	Fa	. B	Fa.	.B	Fa	В	Fa	В	Fa
1	1.2D+1.0Wo (0 Deg)	Yes		1			1.2			41	1							-	-	-		-	-
2	1.2D+1.0Wo (30 Deg)	Yes	Y	1	1.2	39	1.2	4	1	42	_	-		-	_	-	-	-	-	-	-		-
3	1.2D+1.0Wo (60 Deg)	Yes	Y	1		-	1.2	-	100	43		1	_	-	-	-	-	+-	-		-	-	-
4	1.2D+1.0Wo (90 Deg)	Yes	Y	1	-	-	1.2		1	44		-		-		-	-	+-	-		-		-
5	1.2D+1.0Wo (120 Deg)	Yes	Y			_	1.2		1	45		-	_	-	_	-	-	-	-	-	-		
6	1.2D+1.0Wo (150 Deg)	Yes	Y				1.2			46	-	-		-	-	-	+	+-	-	+			-
7	1.2D+1.0Wo (180 Deg)	Yes	Y				1.2			47		-		ļ.,	100	+	-	-		-		-	-
8	1.2D+1.0Wo (210 Deg)	Yes	Y				1.2			48	_			-	_	-	1	+-		+	-	-	
9	1.2D+1.0Wo (240 Deg)	Yes	Y		_	_	1.2			49		+		-		+	-			-			-
10	1.2D+1.0Wo (270 Deg)	Yes	Y	1			1.2			50	_	-		-	-	-	-	-	-		-		
11	1.2D+1.0Wo (300 Deg)	Yes	the second second	1			1.2			51		-	-		-	+-	-	-	-	-	-	-	-
12	1.2D+1.0Wo (330 Deg)	Yes	Y	1	_		1.2	1		52	-	-	-	-		+	-	+		-	-		100
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y	_ 1	-	-	1.2		N	40		15		53					-				
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	116	1	54	1	1	1	-	1	_			



Load Combinations (Continued)

Description Sol. P. S. B. Fa B.
16 1.2D + 1.0Di + 1.0Wi (12D Deg) Yes Y 1 1.2 39 1.2 2 1 40 1 18 1 56 1
1.2D + 1.0Di + 1.0Wi (12D Deg) Yes Y 1 1.2 39 1.2 2 1 40 1 79 1 57 1
18 1.2D + 1.0Di + 1.0Wi (190 Deg) Yes Y
19 1.2D + 1.0Di + 1.0Wi (180 Deg) Yes Y
20 1.2D + 1.0Di + 1.0Wi (240 Deg) Yes Y
21 1.2D + 1.0Di + 1.0Wi (240 Deg) Yes Y
22 1.2D + 1.0Di + 1.0Wi (27D Deg) Yes Y
23 1.2D + 1.0Di + 1.0Wi (300 Deg) Yes Y
24 1.22 + 1.00 + 1.0W (30 Deg) Yes Y
24 1.22 + 1.00 +1.0W (30 Deg) Yes Y
25 1.2D + 1.5Lm1 + 1.0Wm (0 Deg) Yes Y
26 1.2D + 1.5Lm1 + 1.0Wm (30 Deg)Yes Y
27 1.2D + 1.5Lm1 + 1.0Wm (60 Deg) Yes Y
28 1.2D + 1.5Lm1 + 1.0Wm (120 D. Yes Y
29 12D+1.5Lm1+1.0Wm (130 D., Yes Y
30 1.2D+1.5Lm1+1.0Wm (180 D. Yes Y 1 1.2 39 1.2 77 1.5 32 1 70 1 32 1.2D+1.5Lm1+1.0Wm (180 D. Yes Y 1 1.2 39 1.2 77 1.5 33 1 771 1 32 1.2D+1.5Lm1+1.0Wm (210 D. Yes Y 1 1.2 39 1.2 77 1.5 33 1 771 1 33 1.2D+1.5Lm1+1.0Wm (240 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 36 1 74 1 34 1.2D+1.5Lm1+1.0Wm (300 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 36 1 74 1 35 1.2D+1.5Lm1+1.0Wm (300 D. Yes Y 1 1.2 39 1.2 77 1.5 36 1 74 1 35 1.2D+1.5Lm2+1.0Wm (300 D. Yes Y 1 1.2 39 1.2 77 1.5 38 1 76 1 37 1 75 1 36 1.2D+1.5Lm2+1.0Wm (300 D. Yes Y 1 1.2 39 1.2 78 1.5 27 1 65 1 38 1.2D+1.5Lm2+1.0Wm (300 Deg) Yes Y 1 1.2 39 1.2 78 1.5 28 1 66 1 39 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 (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 30 1 68 1 41 1.2D+1.5Lm2+1.0Wm (150 D. Yes Y 1 1.2 39 1.2 78 1.5 30 1 68 1 41 1.2D+1.5Lm2+1.0Wm (150 D. Yes Y 1 1.2 39 1.2 78 1.5 30 1 70 1 42 1.2D+1.5Lm2+1.0Wm (150 D. Yes Y 1 1.2 39 1.2 78 1.5 30 1 70 1 44 1.2D+1.5Lm2+1.0Wm (150 D. Yes Y 1 1.2 39 1.2 78 1.5 30 1 70 1 44 1.2D+1.5Lm2+1.0Wm (240 D. Yes Y 1 1.2 39 1.2 78 1.5 33 1 71 1 4 44 1.2D+1.5Lm2+1.0Wm (240 D. Yes Y 1 1.2 39 1.2 78 1.5 33 1 71 1 4 44 1.2D+1.5Lm2+1.0Wm (240 D. Yes Y 1 1.2 39 1.2 78 1.5 33 1 71 1 4 44 1.2D+1.5Lm2+1.0Wm (300 D. Yes Y 1 1.2 39 1.2 78 1.5 33 1 71 1 4 44 1.2D+1.5Lm2+1.0Wm (300 D. Yes Y 1 1.2 39 1.2 78 1.5 38 1 70 1 4 4 1.2D+1.5Lm2+1.0Wm (300 D. Yes Y 1 1.2 39 1.2 78 1.5 38 1 70 1 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4
31 1.2D + 1.5Lm1 + 1.0Wm (130 D. Yes Y
32 1.2D + 1.5Lm1 + 1.0Wm (210 D., Yes Y
33 1.2D + 1.5Lm1 + 1.0Wm (240 D., Yes Y
34 1.2D + 1.5Lm1 + 1.0Wm (270 D. Yes Y
35 1.2D + 1.5Lm1 + 1.0Wm (300 D., Yes Y
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 (60 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 28 1 66 1 39 1.2D + 1.5Lm2 + 1.0Wm (60 Deg) Yes Y 1 1.2 39 1.2 78 1.5 30 1 68 1 39 1.2D + 1.5Lm2 + 1.0Wm (10 Deg) Yes Y 1 1.2 39 1.2 78 1.5 30 1 68 1 39 1.2D + 1.5Lm2 + 1.0Wm (10 Deg) Yes Y 1 1.2 39 1.2 78 1.5 31 1 69 1 39 1.2D + 1.5Lm2 + 1.0Wm (180 D., Yes Y 1 1.2 39 1.2 78 1.5 32 1 70 1 39 1.2D + 1.5Lm2 + 1.0Wm (180 D., Yes Y 1 1.2 39 1.2 78 1.5 33 1 71 1 39 1.2D + 1.5Lm2 + 1.0Wm (210 D., Yes Y 1 1.2 39 1.2 78 1.5 33 1 71 1 39 1.2 78 1.5 32 1 70 1 1 39 1.2 78 1.5 32 1 70 1 1 39 1.2 78 1.5 32 1 70 1 1 39 1.2 78 1.5 32 1 70 1 1 39 1.2 78 1.5 32 1 70 1 1 39 1.2 78 1.5 32 1 70 1 1 39 1.2 78 1.5 32 1 70 1 1 1 39 1.2 78 1.5 32 1 70 1 1 1 39 1.2 78 1.5 32 1 70 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 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 40 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 (120 D 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 30 1 68 1 41 1.2D + 1.5Lm2 + 1.0Wm (120 D Yes Y 1 1.2 39 1.2 78 1.5 32 1 70 1 42 1.2D + 1.5Lm2 + 1.0Wm (120 D Yes Y 1 1.2 39 1.2 78 1.5 33 1 71 1 42 1.2D + 1.5Lm2 + 1.0Wm (120 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 33 1 71 1 44 1.2D + 1.5Lm2 + 1.0Wm (210 D Yes Y 1 1.2 39 1.2 78 1.5 35 1 73 1 44 1.2D + 1.5Lm2 + 1.0Wm (210 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 35 1 73 1 46 1.2D + 1.5Lm2 + 1.0Wm (300 D Yes Y 1 1.2 39 1.2 78 1.5 36 1 74 1 4 1 4 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 37 1 75 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
38 1.2D + 1.5Lm2 + 1.0Wm (30 Deg) Yes Y
39 1.2D + 1.5Lm2 + 1.0Wm (60 Deg) Yes Y
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 33 1 71 1 44 1.2D + 1.5Lm2 + 1.0Wm (240 D. Yes Y 1 1.2 39 1.2 78 1.5 35 1 73 1 45 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 36 1 74 1 47 1.2D + 1.5Lm2 + 1.0Wm (300 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 36 1 74 1 1 48 1.2D + 1.5Lm2 + 1.0Wm (300 D. Yes Y 1 1.2 39 1.2 78 1.5 36 1 76 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 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 4 44 1.2D + 1.5Lm2 + 1.0Wm (210 D Yes Y 1 1.2 39 1.2 78 1.5 33 1 71 1 4 44 1.2D + 1.5Lm2 + 1.0Wm (240 D Yes Y 1 1.2 39 1.2 78 1.5 35 1 73 1 4 4 6 1.2D + 1.5Lm2 + 1.0Wm (270 D Yes Y 1 1.2 39 1.2 78 1.5 36 1 74 1 4 7 1.2D + 1.5Lm2 + 1.0Wm (300 D Yes Y 1 1.2 39 1.2 78 1.5 36 1 74 1 4 7 1.2D + 1.5Lm2 + 1.0Wm (300 D Yes Y 1 1.2 39 1.2 78 1.5 37 1 75 1 4 8 1.2D + 1.5Lm2 + 1.0Wm (330 D Yes Y 1 1.2 39 1.2 78 1.5 38 1 76 1 4 9 1.2D + 1.5Lv1 Yes Y 1 1.2 39 1.2 78 1.5 38 1 76 1 4 9 1.2D + 1.5Lv1 Yes Y 1 1.2 39 1.2 80 1.5 5 1 1.4D Yes Y 1 1.2 39 1.2 80 1.5 5 1 1.4D Yes Y 1 1.2 39 1.2 81 1 E 1 82 866 83 .5 E 866 E5 5 1.2D + 1.0Ev + 1.0Eh (60 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 83 866 E5 E 866 5 1.2D + 1.0Ev + 1.0Eh (90 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 83 866 E5 E 866 5 1.2D + 1.0Ev + 1.0Eh (120 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 866 E5 E 866 5 1.2D + 1.0Ev + 1.0Eh (120 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 866 E5 E 866 5 1.2D + 1.0Ev + 1.0Eh (120 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 866 E5 E 866 5 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 866 E5 E 866 5 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 866 E5 E 866 5 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 866 E5 E 866 5 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 866 E5 E 866 5 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 866 E5 E 866 5 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 866 E5 E 866 5 1 E 5 E 866 5 E 5 E 866 5 E 5 E 866 5 E 5 E
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 4 1 4 1 1 1 1 1 1 1 1 1 1 1 1 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 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 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 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 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 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 1 49 1.2D + 1.5Lv1 Yes Y 1 1.2 39 1.2 80 1.5 1 50 1.2D + 1.5Lv2 Yes Y 1 1.2 39 1.2 80 1.5 1 51 1.4D Yes Y 1 1.2 39 1.2 81 1 E 1 82 1 83 E 1 E 1 52 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 E5 1 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 E5 E 866 55 1.2D + 1.0Ev + 1.0Eh (90 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 866 E5 E 866 <td< td=""></td<>
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 36 1 74 1 48 1.2D + 1.5Lm2 + 1.0Wm (330 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 5 54 1.2D + 1.0Ev + 1.0Eh (60 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 866 83 .5 E 866 E5 5 1.2D + 1.0Ev + 1.0Eh (90 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 83 1 E 5 56 1.2D + 1.0Ev + 1.0Eh (120 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 83 866 E5 E 866 57 1.2D + 1.0Ev + 1.0Eh (120 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 - 5 83 866 E5 E 866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 - 5 83 866 E5 E 866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 - 5 83 866 E5 E 866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 - 5 83 866 E5 E 866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 - 5 83 866 E5 E 866
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 36 1 74 1 4 47 1.2D + 1.5Lm2 + 1.0Wm (330 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 E5 51 1.2D + 1.0Ev + 1.0Eh (60 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 E5 E866 55 1.2D + 1.0Ev + 1.0Eh (90 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 E5 E866 57 1.2D + 1.0Ev + 1.0Eh (120 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 .866 E5 E866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 .866 E5 E866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 .866 E5 E866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 .866 E5 E866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 .866 E5 E866
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 E5 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 E5 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 E5 E 866 57 1.2D + 1.0Ev + 1.0Eh (120 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 .866 E5 E 866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 .866 E5 E 866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 .866 E5 E 866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 .866 E5 E 866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 .866 E5 E 866
47 1.2D + 1.5Lm2 + 1.0Wm (300 D Yes. Y
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 1.4 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 E5 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 E5 E 866 55 1.2D + 1.0Ev + 1.0Eh (120 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 E5 E 866 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 E5 E 866 57 1.2D + 1.0Ev + 1.0Eh (120 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 .866 E5 E 866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -5 83 .866 E5 E 866
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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 1 1 1 1 1 1 1 1
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 1 825 83 866 E5 E 866 57 1.2D + 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 828 83 .5 E8 E5
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 E8 E5
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 E1 E
59 1.2D + 1.0Ev + 1.0Eh (210 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 82 -8 835 E8 E5
60 1.2D + 1.0Ev + 1.0Eh (240 Deg) Yes Y 1 1.2 39 1.2 81 1 E 1 825 838 E5 E8
61 1.2D + 1.0Ev + 1.0Eh (270 Deg) Yes Y
62 1.2D + 1.0Ev + 1.0Eh (300 Deg) Yes Y
0.0000000000000000000000000000000000000
04 000 405 4405 (0.5.)
0
07 000 405 405 405 400 0 1 1 1 0 00 0 0 1 1 2 0 0 0 0 0 0 0
TOL TOLOUT
69 0.9D - 1.0Ev + 1.0Eh (150 Deg) Yes Y 1 .9 39 .9 81 -1 E1 82 -8 83 .5 E8 E5
69



Load Combinations (Continued)

	Description	Sol	Ρ	S	В	Fa	В	Fa	В	Fa	. B	Fa	B	Fa	В	Fa.	B	Fa	B	Fa	. B	Fa	. B	Fa
72	0.9D - 1.0Ev + 1.0Eh (240 Deg)				1	.9	39	.9	81	-1	E	-1	82	5	83	8.	E	5	E	8			_	-
72	0.9D - 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	.9	39	.9	81	-1	E	-1	82		83		E		E	-1	-	_	1	
74	0.9D - 1.0Ev + 1.0Eh (300 Deg)	Yes	Y		1	q	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				\perp

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	
	N45	2.083333	0	4.291452	0	
19 20	N46A	-5.875	-2.25	4.291452	0	
	N47A	-5.875	3.75	4.291452	0	
21	N48A	-5.875	0	4.291452	0	
	N49	6	0	4.041452	0	
23	N50	2.083333	0	4.041452	0	
24	N51	-5.875	Ö	4.041452	0	
25	N52	0.	0	1.958119	0	
26	N55	1.69578	0	-0.979059	0	
27		-1.69578	0	-0.979059	0	
28	N58A	-1.958333	-0.666667	4.291452	0	
29	N55A	-1.958333	4.833333	4.291452	0	
30	N56A	-1.958333	0	4.291452	0	
31	N57B	-1.958333	0	4.041452	0	
32	N58B	0.716506	-2.333333	-7.341878	0	
33	N36	0.716506	3.666667	-7.341878	0	
34	N37	0.716506	0	-7.341878	0	
35	N38	2.67484	-0.666667	-3.949946	0	
36	N39	2.67484	4.833333	-3.949946	0	
37	N40A		0	-3.949946	0	
38	N41A	2.67484	-2.25	2.942173	Ö	
39	N42A	6.654006	3.75	2.942173	Ö	
40	N43A	6.654006	0	2.942173	Ö	
41	N44A	6.654006		-7.216878	ŏ	
42	N45A	0.5	0	-3.824946	Ö	
43	N46B	2.458333	0	3.067173	0	
44	N47B	6.4375	0	-0.44976	0	
45	N48B	4.695673	-0.666667	-0.44976	0	
46	N49A	4.695673	4.833333		0	
47	N50A	4.695673	0	-0.44976	0	
48	N51A	4.479167	0	-0.32476	U	

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	Detach From Diap
50	N54A	-6.716506	3.666667	3.050426	Ö	
51	N55B	-6.716506	0	3.050426	Ö	
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	Ö	
57	N61	-0.779006	0	-7.233625	0	
58	N62	-6.5	Ö	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	Ŏ	-3.716692	0	
65	N67A	0.974093	0	-0.562393	0	
66	N68A	-0.974093	0	-0.562393	0	
67	N67B	0.	0			
68	N68B	.25	0	1.541452	0	
69	N69	.25	1.5	1.541452	0	
70	N70	.25		1.541452	0	
71	N71	6.25	5	1.541452	0	
72	N72		3	4.041452	0	
73	N73	-0.	3	-8.082904	0	
74	N74	-6.25	3	4.041452	0	
75	N75	6	3	4.291452	0	
76	N76	2.083333	3	4.291452	0	
77		-5.875	3	4.291452	0	
	N77	6	3	4.041452	0	
78 79	N78	2.083333	3	4.041452	0	
	N79	-5.875	3	4.041452	0	
80	N80	-1.958333	3	4.291452	0	
81	N81	-1.958333	3	4.041452	0	
	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	Ö	
105	N138	-0.375	3	-7.433385	0	



Joint Coordinates and Temperatures (Continued)

		X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
100	Label N139A	-1.75	3	-5.051815	0	Land Land
106	N140A	-5.25	3	1.010363	0	
107	N140A	-4,25	3	4.041452	0	
108	N142A	5.625	3	1.659882	0	
109	N142A N143	-1.375	3	-5.701334	0	
110	N143	4.25	3	4.041452	0	
111		1.375	3	-5.701334	0	
112	N145	-5.625	3	1.659882	0	
113	N146	-4.25	3	3.958119	0	
114	N144B	4.25	3	3.958119	0	
115	N145A	-4	3	3.958119	0	
116	N146A	4.5	3	3.958119	Ō	
117	N147		3	3.958119	0	
118	N148	-4.5	3	3.958119	0	
119	N149	5.550004	3	1.701549	0	
120	N152	5.552831	3	-5.659667	0	
121	N153	1.302831	3	1.485042	0	
122	N154	5.427831		-5.876174	0	
123	N155	1.177831	3	1.918055	0	
124	N156	5.677831	3		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		
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	00	
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]	lyy [in4]	Izz [in4]	J [in4]
4	Standoff Horizontal	HSS4X4X4	Beam	None	A36 Gr.36	Typical	3.37	7.8	7.8	12.8
1_		L3X3X4	Beam	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
2	Platform Angle	L2.5x2.5x4	Beam	None	A36 Gr.36	Typical	1.19	.692	.692	.026
3	V-Bracing	Charles and the Control of the Contr	Beam	None	A36 Gr.36	Typical	1.61	1.45	1.45	2.89
4_	Support Rail	PIPE 2.5		None	A36 Gr.36	Typical	1.02	.627	.627	1.25
5_	Mount Pipe	PIPE 2.0	Beam	None	A36 Gr.36	Typical	2.93	9.02	9.02	14.4
6	Standoff Horizontal 2		Beam		A36 Gr.36	Typical	2.88	6.65	2.46	.063
	Platform Double An	LL3x3x4x6	Beam	None	A36 Gr.36	Typical	2.11	1.75	1.75	.101
8	Support Rail Corner	L3X3X6	Beam	None		Typical	2.438	.029	8.582	.11
9	Support Rail Plate	PL3/8x6.5	Beam	None	A36 Gr.36	- indution	2.88	6.65	2.46	.063
10	TES Platform Doubl	LL3x3x4x6	Beam	None	A36 Gr.36	Typical	2.00	0.00	2.40	.000

Hot Rolled Steel Properties

υt	Noned Steer 1	0=970 No		Nu	Therm (/1	Density[k/ft^3]	Yield[ksi]	Rv	Fu[ksi]	Rt
27	Label	E [ksi]	G [ksi] 11154	3	.65	.49	36	1.5	58	1.2
1_	A36 Gr.36	29000		2	.65	.49	50	1.1	65	1.1
2_	A572 Gr.50	29000	11154	2	.65	.49	50	1.1	65	1.1
3_	A992	29000	11154	.3	.65	.49	42	1.4	58	1.3
4	A500 Gr.42	29000	11154	.3	.65	.49	46	1.4	58	1.3
5_	A500 Gr.46	29000	11154	<u>.</u> 5	.65	.49	35	1.5	60	1.2
6	A53 Gr. B (35 ksi)	29000	11154_	ა	.00	.40	- 00	1.0		

Member Primary Data

	Label	1 Joint	J Joint	K Joint	Rotate(deg	Section/Shape	Type	Design List	Material	Design Rules
1_1_	CBC1	N56	N58		270	Platform Angle	Beam	None	A36 Gr.36	Typical
2	CBB1	N58	N57A		270	Platform Angle		None	A36 Gr.36	Typical
3	CBA1	N57A	N56		270	Platform Angle	Beam	None	A36 Gr.36	Typical
4	M7	N9	N11			Platform Angle		None	A36 Gr.36	Typical
5	M8	N11	N7			Platform Angle		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	7		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		T	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	
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 Typical
34	M36	N63	N58C			RIGID	None	None	RIGID	
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 Typical
38	M38A	N68A	N58A			Standoff Horiz	Beam	None	A36 Gr.36	
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		None	A36 Gr.36	Typical
43	M45	N77	N74		270	RIGID	None	None	RIGID	Typical
44	M46	N78	N75			RIGID	None	None		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 RIGID	Typical
48	M50	N86	N83			RIGID				Typical
49	M51	N87	N84			RIGID	None None	None	RIGID	Typical
50	M52	N89	N88			RIGID		None	RIGID	Typical
51	M53	N93	N90				None	None	RIGID	Typical
52	M54	N94	N91			RIGID RIGID	None	None	RIGID	Typical
53	M55	N95	N92				None	None	RIGID	Typical
54	M56	N97	N96			RIGID	None	None	RIGID	Typical
55	M70A	N134A	N133A		270	RIGID	None	None	RIGID	Typical
56	M71A	N134A	N137A			Support Rail	Beam	None	A36 Gr.36	Typical
30	IVIT IA	14120	NIS/A		270	Support Rail	Beam	None	A36 Gr.36	Typical

Member Primary Data (Continued)

	22 (4.18)	Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	Label	N141	N144B	IX JUIL	T(Oldic(GOS)	RIGID	None	None	RIGID	Typical
57	M72		N145A			RIGID	None	None	RIGID	Typical
58	M73	N144			-	Support Rail Pl.		None	A36 Gr.36	Typical
59	M74	N146A	N148			Support Rail Pl.		None	A36 Gr.36	Typical
60	M75	N147	N149		-	RIGID	None	None	RIGID	Typical
61	M76	N142A	N152		-	RIGID	None	None	RIGID	Typical
62	M77	N145	N153			Support Rail Pl.	Beam	None	A36 Gr.36	Typical
63	M78	N154	N156		-				A36 Gr.36	Typical
64	M79	N155	N157			Support Rail Pl.	and the second second	None	RIGID	Typical
65	M80	N143	N160			RIGID	None	None		Typical
66	M81	N146	N161			RIGID	None	None	RIGID A36 Gr.36	
67	M82	N162	N164			Support Rail Pl.		None		Typical
68	M83	N163	N165			Support Rail Pl.		None	A36 Gr.36	Typical
69	M84	N163	N148		180	Support Rail C	Beam	None	A36 Gr.36	
70	M85	N147	N156		180	Support Rail C	Beam	None	A36 Gr.36	Typical
	100000000000000000000000000000000000000	N164	N155		90	Support Rail C	Beam	None	A36 Gr.36	Typical
71	M86	N162A	N131		1	V-Bracing	Beam	None	A36 Gr.36	
72	M87	The state of the s	N133			V-Bracing	Beam	None	A36 Gr.36	Typical
73	M88	N162A				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 V-Bracing	Beam	None	A36 Gr.36	
76	M91	N164A	N139A			V-Bracing	Beam	None	A36 Gr.36	
77	M92	N164A	N140A			v-bracing	Deam	140116		

Member Advanced Data

	101 WE THE	anced Dat	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat	Analysis	Inactive	Seismic
4	Label	I Release	J Release	1 Onsequin	o oncoding		Yes				None
1	CBC1						Yes				None
2	CBB1	+					Yes				None
3	CBA1						Yes				None
4	M7	-					Yes				None
5	M8						Yes				None
6	M9		2 27 22 2				Yes				None
7	M10						Yes		(1)		None
8	M23						Yes				None
9	M24						Yes				None
10	MP1A						Yes				None
11	MP2A	ļ					Yes				None
12	MP4A			-			Yes	** NA **			None
13	M28	OOOXOX					Yes	** NA **			None
14	M29	OOOXOX					Yes	** NA **			None
15	M30	OOOXOX					Yes	1111			None
16	M28A						Yes				None
17	M29A						Yes				None
18	M30A						Yes				None
19	M32				2500		Yes		1		None
20	MP3A						Yes	** NA **			None
21	M35	OOOXOX					Yes	IVA			None
22	MP1C						Yes	+			None
23	MP2C							1000000			None
24	MP4C						Yes	** NA **			None
25	M27	OOOXOX					Yes	** NA **			None
26	M28B	OOOXOX					Yes	** NA **	*		None
27	M29B	OOOXOX					Yes	INA			None
28	MP3C					-	Yes	** NA **	f.		None
29	M31A	OOOXOX					Yes	INA			None
30	MP1B						Yes	-			None
31	MP2B						Yes	-			INOITE

Member Advanced Data (Continued)

32	Label MP4B	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl RatAnalysi	s Inactive	Seismic
33	M35A	OOOXOX					Yes	44 515 45		None
34	M36	000000					Yes	** NA **		None
35	M37	000X0X					Yes	** NA **		None
36	MP3B	COCACA					Yes	** NA **		None
37	M39	OOOXOX					Yes			None
38	M38A	OCCACA					Yes	** NA **		None
39	M39A						Yes			None
40	M40						Yes			None
41	MPSO	 					Yes	** NA **		None
42	M44						Yes			None
43	M45						Yes			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		X2				Yes	** NA **		None
52							Yes	** NA **		None
53	M54 M55						Yes	** NA **		None
								** NA **		None
54 55	M56	-						** NA **		None
56	M70A						Yes			None
	M71A						Yes			None
57	M72						Yes	** NA **		None
58	M73							** NA **		None
59 60	M74	 					Yes			None
	M75						Yes			None
61 62	M76 M77						Yes	** NA **		None
63	M78	-						** NA **		None
							Yes			None
64 65	M79	-					Yes			None
	M80							** NA **		None
66	M81						Yes	** NA **		None
67	M82						Yes			None
68	M83						Yes			None
69	M84						Yes			None
70	M85						Yes			None
71 72	M86	Da-DIN'	D. DIM				Yes			None
	M87	BenPIN	BenPIN				Yes			None
73	M88	BenPIN	BenPIN				Yes			None
74	M89	BenPIN	BenPIN				Yes	0.00		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,%] .5
7	MP1B	Y	-6	.5
В	MP1B	My	.003	.5
9	MP1B	Mz	005 -6	3.5
10	MP1B	Y	.003	3.5
11	MP1B	My		3.5
12	MP1B	Mz	005	.5
13	MP1C	Y	-6	.5
14	MP1C	My	.003	.5
15	MP1C	Mz	.005	3.5
16	MP1C	Y	-6	3.5
17	MP1C	My	.003	3.5
18	MP1C	Mz	.005	.5
19	MP4A	Y	-6	.5
20	MP4A	My	006	.5
21	MP4A	Mz	0	3.5
22	MP4A	Y	-6 006	3.5
23	MP4A	My	006	3.5
24	MP4A	Mz	0	.5
25	MP4B	Υ	<u>-6</u>	.5
26	MP4B	My	.003	.5
27	MP4B	Mz	005	3.5
28	MP4B	Y	-6	3.5
29	MP4B	My	.003	3.5
30	MP4B	Mz	005	
31	MP4C	Y	-6	.5 .5
32	MP4C	My	.003	
33	MP4C	Mz	.005	.5
34	MP4C	Υ	-6	3.5 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	Υ	-20	
44	MP2B	My	000104	.5
45	MP2B	Mz	023	.5
46	MP2B	Y	-20	5
47	MP2B	Му	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
	MP2A	My	02	5
59	MP2A	Mz	012	5
60	MP2B	Y	-20	.5
61	MP2B	My	.02	.5
62 63	MP2B	Mz	011	.5

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

C4	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2B	Υ	-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
00	MP2C	Υ	-74.7	.25
01	MP2C	My	019	.25
02	MP2C	Mz	032	.25
03	MP2A	Y	-70.3	3.83
04	MP2A	My	.035	3.83
05	MP2A	Mz	0	3.83
06	MP2B	Y	-70.3	3.83
07	MP2B	My	018	3.83
08	MP2B	Mz	.03	3.83
09	MP2C	Y	-70.3	3.83
10	MP2C	My	018	3.83
11	MP2C	Mz	03	3.83
12	MP2A	Y	-17.6	2
13	MP2A	My	.009	2
14	MP2A	Mz	0	2 2
15	MP2B	Y	-17.6	2
16	MP2B	My	004	2 2
17	MP2B	Mz	.008	
18	MP2C	Y	-17.6	2 2
19	MP2C	My	004	2
20	MP2C	Mz	004	2

	Member Label	Direction	Magnitude[lb,k-ft]	
	MP1A	Y	-39.61	.5
	MP1A	My	04	.5
3	MP1A	Mz	0	.5
	MP1A	Y	-39.61	3.5
5	MP1A	My	04	3.5
3	MP1A	Mz	0	3.5
7	MP1B	Y	-39.61	.5
3	MP1B	Mv	.02	.5
9	MP1B	Mz	034	.5
0	MP1B	Y	-39.61	3.5
1	MP1B	My	.02	3.5
	MP1B	Mz	034	3.5
2	MP1C	Y	-39.61	.5
3	MP1C	My	.02	.5
4		Mz	.034	.5
5	MP1C	Y	-39.61	3.5
6	MP1C	My	.02	3.5
7	MP1C	Mz	.034	3.5
8	MP1C	Y	-39.61	.5
9	MP4A		04	.5
0	MP4A	My	0	.5
1	MP4A	Mz	-39.61	3.5
2	MP4A	Y		3.5
3	MP4A	My	04	3.5
4	MP4A	Mz	0	.5
5	MP4B	Y	-39.61	.5
6	MP4B	My	.02	.5
7	MP4B	Mz	034	.5
8	MP4B	Y	-39.61	3.5
9	MP4B	My	.02	3.5
0	MP4B	Mz	034	3.5
11	MP4C	Y	-39.61	.5
	MP4C	My	.02	.5
2	MP4C	Mz	.034	.5
3	MP4C	Y	-39.61	3.5
34		My	.02	3.5
35	MP4C	Mz	.034	3.5
86	MP4C	Y	-60.649	.5
37	MP2A	My	061	.5
88	MP2A		.035	.5
19	MP2A	Mz	-60.649	5
0	MP2A	Y		5
11	MP2A	My	061 .035	5
2	MP2A	Mz	.030	.5
3	MP2B	Y	-60.649	.5
14	MP2B	My	000314	.5
5	MP2B	Mz	07	.5
16	MP2B	Υ	-60.649	5
7	MP2B	My	000314	5
18	MP2B	Mz	07	5
19	MP2C	Y	-60.649	.5 .5
	MP2C	My	.061	.5
50	MP2C	Mz	.035	.5
51		Y	-60.649	5
52	MP2C	My	.061	5
53	MP2C	Mz	.035	5
54	MP2C	Y	-60.649	.5
55	MP2A		061	.5
56	MP2A MP2A	My 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	<u>.</u>
70	MP2C	Y	-60.649	. <u>5</u> 5
71	MP2C	My	000314	2
72	MP2C	Mz		5
73	MP3A	Y	.07	5
74	MP3A	My	-35.371	1.83
75	MP3A		035	1.83
76	MP3A	Mz Y	0	1.83
77	MP3A		-35.371	3.73
78	MP3A	My	035	3.73
79	MP3B	Mz	0	3.73
80		Y	-35.371	1.83
81	MP3B	My	.018	1.83
82	MP3B	Mz	031	1.83
	MP3B	Y	-35.371	3.73
33	MP3B	My	.018	3.73
34	MP3B	Mz	031	3.73
85	MP3C	Y	-35.371	1.83
36	MP3C	My	.018	1.83
37	MP3C	Mz	.031	1.83
88	MP3C	Y	-35.371	3.73
39	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
00	MP2C	Y	-44.59	.25
01	MP2C	Μv	011	.25
02	MP2C	Mz	019	.25
03	MP2A	Y	-42.462	3.83
04	MP2A	My	.021	3.83
05	MP2A	Mz	0	
06	MP2B	Y	-42.462	3.83
07	MP2B	My		3.83
08	MP2B	Mz	011	3.83
09	MP2C	Y	.018	3.83
10	MP2C		-42.462	3.83
11	MP2C	My	011	3.83
12		Mz	018	3.83
	MP2A	Y	-17.217	2
13	MP2A	My	.009	2
14	MP2A	Mz	0	2



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

	Direction	Magnitude[lb,k-ft]	Location[ft,%]
Member Label	Y	-17.217	2
	My	004	2
		.007	2
	Y		2
	My		2
			2
	MP2B MP2B MP2B MP2C MP2C MP2C	MP2B Y MP2B My MP2B Mz MP2C Y MP2C My	MP2B Y -17.217 MP2B My 004 MP2B Mz .007 MP2C Y -17.217 MP2C My 004 MP2C My 007

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

	mber Label	(ntenna Wo (0 Deg)) Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	
2	MP1A	Z	-88.661	.5
3	MP1A	Mx	0	.5
	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
2	MP1B	Mx	.067	3.5
3	MP1C	X	0	.5
4	MP1C	Z	-77.678	.5
15	MP1C	Mx	-,067	.5
16	MP1C	X	0	3.5
7	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
10	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		-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	Ž	-80,266	1.83
75	MP3A	Mx	0	1.83
76	MP3A	X	Ö	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		0	3.73
83	MP3B	X Z	-40.798	3.73
84	MP3B	Mx	.035	3.73
85	MP3C	X	0	1.83
86	MP3C	Ž	-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	-63.475	.25
97	MP2B	X	0	.25 .25
98	MP2B	Z	-47.811	.25
99	MP2B	Mx	-47.811	.25
00	MP2C	X	021	.25
01	MP2C	Z		.25
02	MP2C	Mx	-47.811	.25
03	MP2A		.021	.25
04	MP2A	X	-63.475	3.83 3.83



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

	Marked abol	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	Member Label	Mx	0	3.83
105	MP2A	V	0	3.83
106	MP2B	-	-44.74	3.83
107	MP2B			3.83
108	MP2B	Mx	019	3.83
109	MP2C	X	0	3.83
110	MP2C	Z	-44.74	
111	MP2C	Mx	.019	3.83
112	MP2A	X	0	
113	MP2A	Z	-39.314	2
	MP2A	Mx	0	2
114	92 10 10 10 10 10 10 10 10 10 10 10 10 10	X	0	2
115	MP2B	7	-18.772	2
116	MP2B	Mx	008	2
117	MP2B		0	2
118	MP2C	X	-18.772	2
119	MP2C			2
120	MP2C	Mx	.008	

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

	oint Loads (BLC 4 : A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	42.5	
2	MP1A	Z	-73.612	.5
	MP1A	Mx	043	.5
3	MP1A	X	42.5	3.5
5	MP1A	Z	-73.612	3.5
	MP1A	Mx	043	3.5
7	MP1B	X	37.008	.5
	MP1B	Z	-64.1	.5
8	MP1B	Mx	.074	
9	MP1B	X	37.008	3.5
10	MP1B	Z	-64.1	3.5
11 12	MP1B	Mx	.074	3.5
13	MP1C	X	42.5	.5
	MP1C	Z	-73.612	.5
14	MP1C	Mx	043	.5
15	MP1C	X	42.5	3.5
16	MP1C	Z	-73.612	3.5
17	MP1C	Mx	043	3.5
18	MP4A	X	42.5	.5
19	MP4A	Z	-73.612	.5
20		Mx	043	.5
21	MP4A	X	42.5	3.5
22	MP4A	Z	-73,612	3.5
23	MP4A	Mx	043	3.5
24	MP4A	X	37.008	.5
25	MP4B	Z	-64.1	.5
26	MP4B	Mx	.074	.5
27	MP4B	X	37.008	3.5
28	MP4B	Z	-64.1	3.5
29	MP4B	Mx	.074	3.5
30	MP4B	X	42.5	.5
31	MP4C	Z	-73.612	.5
32	MP4C	Mx	043	.5
33	MP4C		42.5	3.5
34	MP4C	X	-73.612	3.5
35	MP4C	Mx	043	3.5
36	MP4C	X	48.374	.5
37	MP2A	^	70.011	



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

00	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	Ž	-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 5
70	MP2C	X	48.374	5
71	MP2C	ž	-83.787	5
72	MP2C	Mx	097	5
73	MP3A	X	33.555	1.83
74	MP3A	Ž	-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
30	MP3B	Z	-23.939	1.83
31	MP3B	Mx	.028	1.83
32	MP3B	X	13.821	
33	MP3B	Z	-23.939	3.73
34	MP3B	Mx	.028	3.73
35	MP3C	X	33.555	3.73
36	MP3C	Z	-58.119	1.83
37	MP3C	Mx	034	1.83
38	MP3C	X		1.83
39	MP3C	Z	33.555	3.73
90	MP3C		-58.119	3.73
91	MPSO	Mx	034	3.73
92	MPSO	X	61.018	.5
93	MPSO		-105.687	.5
94	MP2A	Mx	.031	.5
(3)	IVIT ZF	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
	MP2B	X	21.295	.25
97	MP2B	Ž	-36.884	.25
98	MP2B	Mx	-,021	.25
99	MP2C	X	29.127	.25
100	MP2C	Z	-50.449	.25
101	MP2C	Mx	.015	.25
102	MP2A	X	28.615	3.83
103		7	-49.563	3.83
104	MP2A MP2A	Mx	.014	3.83
105		X	19.247	3.83
106	MP2B	Z	-33.337	3.83
107	MP2B	Mx	019	3.83
108	MP2B	X	28.615	3.83
109	MP2C	Ž	-49.563	3.83
110	MP2C	Mx	.014	3.83
111	MP2C	X	16.233	2
112	MP2A	Z	-28.117	2
113	MP2A	Mx	.008	2
114	MP2A	X	5.962	2
115	MP2B		-10.327	2
116	MP2B	Z	006	2
117	MP2B	Mx	16.233	2
118	MP2C	X	-28.117	2
119	MP2C	Z		2
120	MP2C	Mx	.008	4

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

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



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		-38.839	3.5
30	MP4B	Mx	.067	3.5
	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	
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	
71	MP2C	Z	-56.411	<u>5</u> 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	Ž	-20.399	1.83
81	MP3B	Mx	.035	1.83
82	MP3B	X	35.332	3.73
83	MP3B	Ž	-20.399	3.73
84	MP3B	Mx	.035	3.73



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

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

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
4	MP1A	X	74.017	5
	MP1A	Z	0	.5
2		Mx	074	.5
3	MP1A	X	74.017	3.5
4	MP1A	7	0	3.5
5	MP1A	Mx	074	3.5
6	MP1A	Y X	85	.5
7	MP1B	7	0	.5
8	MP1B	Mx	.043	.5
9	MP1B	X	85	3.5
10	MP1B	Ż	0	3.5
11	MP1B		.043	3.5
12	MP1B	Mx	85	.5
13	MP1C	X	0	.5
14	MP1C		.043	.5
15	MP1C	<u>Mx</u>		3.5
16	MP1C	X	85	3.5
17	MP1C	Z	0	3.3

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

[40]	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	Ž	0	5
42	MP2A	Mx	049	5
43	MP2B	X	96.749	5
44	MP2B	Z	0	
45	MP2B	Mx	000501	.5
46	MP2B	X	96.749	.5
47	MP2B	Z	0	5
48	MP2B	Mx	000501	5
49	MP2C	X		5
50	MP2C	Z	96.749	.5
51	MP2C	Mx	.097	.5
52	MP2C	X		.5
53	MP2C	Z	96.749	5
54	MP2C	Mx	0	5
55	MP2A	X	.097	5
56	MP2A		48.528	.5
57	MP2A	Z	0	.5
58	MP2A	Mx	049	.5
59	MP2A	X	48.528	5
60	MP2A	Z	0	5
61	MP2B	Mx	049	.5
62	MP2B	X	96.749	.5
63	MP2B MP2B	Z	0	.5
64		Mx	.097	.5
65	MP2B	X	96.749	5
	MP2B	Z	0	5
66	MP2B	Mx	.097	.5 .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		67.11	1.83
86	MP3C	X	0	1.83
87	MP3C	Mx	.034	1.83
88	MP3C	X	67.11	3.73
89	MP3C	Ž	0	3.73
90	MP3C	Mx	.034	3.73
	MPSO	X	98.694	.5
91 92	MPSO	7	0	.5
	MPSO	Mx	.049	.5
93	MP2A	X	42.59	.25
94	MP2A	Z	0	.25
95	MP2A	Mx	.021	.25
96	MP2B	X	58.254	.25
97		Z	0	.25
98	MP2B	Mx	015	.25
99	MP2B	X	58.254	.25
100	MP2C	Z	0	.25
101	MP2C	Mx	015	.25
102	MP2C	X	38.495	3.83
103	MP2A	Z	0	3.83
104	MP2A	Mx	.019	3.83
105	MP2A	X	57.23	3.83
106	MP2B	Z	0	3.83
107	MP2B	Mx	014	3.83
108	MP2B	X	57.23	3.83
109	MP2C	Z	0	3.83
110	MP2C	Mx	014	3.83
111	MP2C	X	11.924	2
112	MP2A	Z	0	2
113	MP2A		.006	2
114	MP2A	Mx	32.466	2
115	MP2B	X	0	2
116	MP2B	Z	008	2
117	MP2B	Mx	32.466	2
118	MP2C	X	0	2
119	MP2C	Z	008	2
120	MP2C	Mx	006	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	67.271	.5
	MP1A	7	38.839	.5
2	MP1A	Mx	067	.5
3	MP1A	X	67.271	3.5
	MP1A	7	38.839	3.5
2	MP1A	Mx	067	3.5
6	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	Ž	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 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
31	MP2B	X	97.707	5
62	MP2B	Ž	56,411	.5
63	MP2B	Mx	.066	.5
34	MP2B			.5
J-7	IVIFZD	X	97.707	5



ds (BLC 7 : Antenna Wo (120 Dea)) (Continued)

	Member Label	Antenna Wo (120 De	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
	MP2C	Z	23.906	.25
101 102	MP2C	Mx	021	.25
	MP2A	X	38.746	3.83
103	MP2A	Z	22.37	3.83
104	MP2A	Mx	.019	3.83
105	MP2B		54.971	3.83
106	MP2B	Z	31.738	3.83
107	MP2B	Mx	0	3.83
108		X	38.746	3.83
109	MP2C	X	22.37	3.83
110	MP2C	Mx	019	3.83
111	MP2C	X	16.257	2
112	MP2A	Z	9.386	2
113	MP2A	Mx	.008	2
114	MP2A	X	34.047	2
115	MP2B	Z	19.657	2
116	MP2B	Mx	0	2
117	MP2B		16.257	2
118	MP2C	X	9.386	2
119	MP2C		008	2
120	MP2C	Mx	000	

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

1	Member Label MP1A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP1A	X	42.5	
3	MP1A	Mx	73.612	.5
4	MP1A	X	043 42.5	.5
5	MP1A	Z	73.612	3.5 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	XX	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 36	MP4C	Z	64.1	3.5
	MP4C	<u>Mx</u>	.074	3.5
37 38	MP2A	X	48.374	.5
39	MP2A	Z	83.787	.5
40	MP2A MP2A	Mx	.000502	.5
41		X	48.374	5
42	MP2A MP2A	Z	83.787	5
43	MP2B	Mx	.000502	5
44	MP2B	X	48.374	.5 5
45	MP2B	Mx	83.787	.5
46	MP2B		097	.5
47	MP2B	X Z	48.374 83.787	5
48	MP2B	Mx	097	5 5
49	MP2C	X	24.264	5
50	MP2C	Z	42.026	.5 .5
51	MP2C	Mx	.049	.5 .5
52	MP2C	X	24.264	
53	MP2C	Z	42.026	5
54	MP2C	Mx	.049	5 5 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)

	Point Loads (BLC 8 : A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A		48.374	5
59	MP2A	X Z	83.787	5
60	MP2A	Mx	097	5
	MP2B	X	48.374	.5
61	MP2B	7	83.787	.5
62		Mx	.000501	.5
63	MP2B	X	48.374	5
64	MP2B	Z	83.787	5
65	MP2B	Mx	.000501	5
66	MP2B	X	24.264	.5
67	MP2C		42.026	.5
68	MP2C	<u>Z</u>	.049	.5
69	MP2C	Mx	24.264	5
70	MP2C	X		5
71	MP2C	Z	42.026	5
72	MP2C	Mx	.049	
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
	MP3B	Z	58.119	1.83
80	MP3B	Mx	034	1.83
81	MP3B	X	33.555	3.73
82		Z	58.119	3.73
83	MP3B	Mx	034	3.73
84	MP3B	X	13.821	1.83
85	MP3C	Z	23.939	1.83
86	MP3C		.028	1.83
87	MP3C	Mx	13.821	3.73
88	MP3C	X		3.73
89	MP3C	Z	23.939	3.73
90	MP3C	Mx	.028	.5
91	MPSO	X	61.018	.5
92	MPSO	Z	105.687	
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
	MP2B	Z	50.449	.25
98	MP2B	Mx	.015	.25
99		X	21.295	.25
100	MP2C	Z	36.884	.25
101	MP2C	Mx	021	.25
102	MP2C	X	28.615	3.83
103	MP2A	Z	49.563	3.83
104	MP2A		.014	3.83
105	MP2A	Mx	28.615	3.83
106	MP2B	X		3.83
107	MP2B	Z	49.563	3.83
108	MP2B	Mx	.014	3.03
109	MP2C	X	19.247	3.83
110	MP2C	Z	33.337	3,83
111	MP2C	M×	019	3.83
112	MP2A	X	16.233	2
	MP2A	Z	28.117	2
113		Mx	.008	2
114	MP2A	IVIA	Risa\5000385161-VZW_MT	LO H.r3dì Page



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 1	.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	Ž	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	Ž	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 5
41	MP2A	Z	112.822	5
42	MP2A	Mx	.066	5
43	MP2B	X	0	5 5
44	MP2B	Z	64.602	
45	MP2B	Mx	075	.5
46	MP2B	X		.5
47	MP2B	Z	0	5
7.1	IVII ZD		64.602	5

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

	Point Loads (BLC 9 : A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2B	Mx	075	5
9	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
	MP2C	Mx	.037	5
54	MP2A	X	0	.5
55	MP2A	Z	112.822	.5
56	MP2A MP2A	Mx	066	.5
57	MP2A	X	0	5
58		Ž	112.822	5
59	MP2A	Mx	066	5
60	MP2A	X	0	.5
31	MP2B	Z	64.602	.5
62	MP2B	Mx	037	.5
33	MP2B	X	0	5
64	MP2B	Z	64.602	5
55	MP2B		037	5
36	MP2B	Mx	0	.5
57	MP2C	X Z	64.602	.5
68	MP2C		.075	.5
39	MP2C	Mx		5
70	MP2C	X	0	5
1	MP2C	Z	64.602	5
2	MP2C	Mx	.075	1.83
3	MP3A	X	0	
4	MP3A	Z	80.266	1.83
75	MP3A	Mx	0	1.83
6	MP3A	X	0	3.73
7	MP3A	Z	80.266	3.73
	MP3A	Mx	0	3.73
78	MP3B	X	0	1.83
79	MP3B	Ž	40.798	1.83
30		Mx	035	1.83
31	MP3B	X	0	3.73
32	MP3B	Z	40.798	3.73
83	MP3B	Mx	035	3.73
34	MP3B	X	0	1.83
85	MP3C	Ž	40.798	1.83
86	MP3C		.035	1.83
87	MP3C	Mx V	0	3.73
88	MP3C	X	40.798	3.73
39	MP3C	Z		3.73
90	MP3C	Mx	.035	.5
91	MPSO	<u>X</u>		.5
92	MPSO	Z	129.817	.5
93	MPSO	Mx	0	.25
94	MP2A	X	0	.25
95	MP2A	Z	63.475	.25
96	MP2A	Mx	0	.25
96	MP2B	X	0	.25
00	MP2B	Z	47.811	.25
98	MP2B	Mx	.021	.25
99	MP2C	X	0	.25
100		Z	47.811	.25
101	MP2C	Mx	021	.25
102	MP2C	X	0	3.83
103	MP2A	Ž	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		-42.5	.5
2	MP1A	X 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 .5
39	MP2A	Mx	.097	5
10	MP2A	X	-48.374	5
11	MP2A	Z	83.787	
12	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	Χ	-48.374	5
	MP2C	Z	83.787	5
53	MP2C	Mx	000501	5
54	MP2A	X	-48.374	.5
55	MP2A	Z	83.787	.5
56	MP2A	Mx	000502	.5
57	MP2A	X	-48.374	5
58	MP2A	Z	83.787	5
59		Mx	000502	5
60	MP2A	X	-24.264	.5
61	MP2B	Z	42.026	.5
62	MP2B	Mx	049	.5
63	MP2B	X	-24.264	5
64	MP2B	Z	42.026	5
65	MP2B		049	5
66	MP2B	Mx	-48.374	.5
67	MP2C	X	83.787	.5
68	MP2C		.097	.5
69	MP2C	Mx	-48.374	5
70	MP2C	X	83.787	5
71	MP2C	Z	.097	5
72	MP2C	Mx	-33.555	1.83
73	MP3A	X		1.83
74	MP3A	Z	58.119	1.83
75	MP3A	Mx	.034	3.73
76	MP3A	X	-33.555	3.73
77	MP3A	Z	58.119	3.73
78	MP3A	Mx	.034	1.83
79	MP3B	X	-13.821	1.83
80	MP3B	Z	23.939	1.83
81	MP3B	Mx	028	
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
	MP3C	Mx	.034	1.83
87	MP3C	X	-33.555	3.73
88	MP3C	Z	58.119	3.73
89		Mx	.034	3.73
90	MP3C	X	-61.018	.5
91	MPSO	Z	105.687	.5
92	MPSO	Mx	031	.5
93	MPSO	X	-29.127	.25
94	MP2A		20.121	LO H.r3d] Page



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		-67.271	3.5
11	MP1B	X	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 3.5
36	MP4C	Mx	-1e-6	
37	MP2A	X	-55.947	.5
38	MP2A	Z	32.301	.5
39	MP2A	Mx	.075	.5 5
40	MP2A	X	-55.947	5
41	MP2A	Z	32.301	
42	MP2A	Mx	.075	5
43	MP2B	X	-55.947	.5 .5
44	MP2B		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	
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	Ž	53.237	.5
93	MPSO	Mx	046	.5
94	MP2A	X	-41.406	.25
95	MP2A	Ž	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		-54.971	.25
101	MP2C	X	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-ff) Location(ff %)				
4		Direction	Magnitude[lb.k-ft]	Location[ft,%]	
	MP1A	X	-74.017		
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	7	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)

	Point Loads (BLC 12 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1C	Mx	043	3.5
9	MP4A	X	-74.017	.5
0	MP4A	Z	0	.5
1	MP4A	Mx	.074	.5
2	MP4A	X	-74.017	3.5
3	MP4A	Z	0	3.5
4	MP4A	Mx	.074	3.5
25	MP4B	X	-85	.5
26	MP4B	Z	0	.5
7	MP4B	Mx	043	.5
8	MP4B	X	-85	3.5
9	MP4B	Z	0	3.5
0	MP4B	Mx	043	3.5
31	MP4C	X	-85	.5
2	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	Χ	-48.528	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.049	.5
10	MP2A	X	-48.528	5
11	MP2A	Z	0	5
2	MP2A	Mx	.049	5
13	MP2B	X	-96.749	.5
14	MP2B	Z	0	.5
15	MP2B	Mx	.000501	.5
16	MP2B	X	-96.749	5
	MP2B	Z	0	5
17 18	MP2B	Mx	.000501	5
	MP2C	X	-96,749	.5_
19	MP2C	Z	0	.5
50	MP2C	Mx	097	.5
51	MP2C	X	-96.749	5
	MP2C	Z	0	5
53	MP2C	Mx	097	5
54	MP2A	X	-48.528	.5
55	MP2A	Z	0	.5
56 57	MP2A	Mx	.049	.5
	MP2A	X	-48.528	5
58	MP2A	Ž	0	5
59	MP2A	Mx	.049	5
30	MP2B	X	-96.749	.5
61	MP2B	Z	0	.5
52	MP2B	Mx	097	.5
63	MP2B	X	-96.749	5
64	MP2B	Ž	0	5
65	MP2B	Mx	097	5
36	MP2C	X	-96.749	.5
67	MP2C	Ž	0	.5
68		Mx	.000501	.5
69	MP2C	X	-96.749	5
70	MP2C	T Z	0	5
71	MP2C	Mx	.000501	5
72	MP2C	X	-27.643	1.83
73	MP3A	7	0	1.83
74	MP3A)\Risa\5000385161-VZW_MT	LO H.r3d] Pag



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	МРЗА	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	
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
102 103	MP2C	Mx	.015	25
	MP2A	X	-38.495	3.83
104	MP2A	Z	0	3.83
105 106	MP2A	Mx	019	3.83
106	MP2B	X	-57.23	3.83
108	MP2B	Z	0	3.83
109	MP2B	Mx	.014	3.83
110	MP2C	X	-57.23	3.83
111	MP2C	Z	0	3.83
112	MP2C	Mx	.014	3.83
113	MP2A	X	-11.924	2
	MP2A	Z	0	2 2
114	MP2A	Mx	-,006	2
116	MP2B	X	-32.466	2
117	MP2B	Z	0	2
118	MP2B	Mx	.008	2
119	MP2C	X	-32.466	2
	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	5.5

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	3.5
10	MP1B	X	-76.783	3.5
11	MP1B	Z	-44.33	3.5
12	MP1B	Mx	-1e-6 -67.271	.5
13	MP1C	X		.5
14	MP1C	Z	-38.839	.5
15	MP1C	Mx	067	3.5
16	MP1C	X	-67.271	3.5
17	MP1C	Z	-38.839	3.5
18	MP1C	Mx Mx	067	.5
19	MP4A	X	-67.271	.5
20	MP4A	Z	-38.839	.5
21	MP4A	Mx	.067	3.5
22	MP4A	<u>X</u>	-67.271	3.5
23	MP4A	Z	-38.839 .067	3.5
24	MP4A	Mx		.5
25	MP4B	X	-76.783 -44.33	.5
26	MP4B	Z		.5
27	MP4B	Mx	-1e-6	3.5
28	MP4B	X	-76.783 -44.33	3.5
29	MP4B	Z	-44.33 -1e-6	3.5
30	MP4B	Mx	-67.271	.5
31	MP4C	X		.5
32	MP4C	Z	-38.839 067	.5
33	MP4C	Mx	-67.271	3.5
34	MP4C	X		3.5
35	MP4C	Z	-38.839 067	3.5
36	MP4C	Mx	-55.947	.5
37	MP2A	X	-32.301	.5
38	MP2A	Z	.037	.5
39	MP2A	Mx	-55.947	5
40	MP2A	X	-32.301	5
41	MP2A	Z	.037	5
42	MP2A	Mx	-97.707	.5
43	MP2B	X	-56.411	.5
44	MP2B	Z	.066	.5
45	MP2B	Mx	-97.707	5
46	MP2B	X	-56.411	5
47	MP2B		.066	5
48	MP2B	Mx	-55.947	.5
49	MP2C	X	-32.301	.5
50	MP2C	Z	075	.5
51	MP2C	Mx	-55.947	5
52	MP2C	X	-32.301	5
53	MP2C	Z	075	5
54	MP2C	Mx	-55.947	.5
55	MP2A	X	-32.301	.5
56	MP2A	Z	.075	.5
57	MP2A	Mx	-55.947	5
58	MP2A	X	-32.301	5
59	MP2A	Z	.075	5
60	MP2A	Mx	-97.707	.5
61	MP2B	X		.5
62	MP2B	Z	<u>-56.411</u> 066	.5
63	MP2B	Mx	-97.707	. 5
64	MP2B	X	-91.101	

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

65	Member Label MP2B	Direction Z	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2B	Mx	-56.411	5
67	MP2C	X	066 -55.947	5
68	MP2C	Z	-32.301	.5
69	MP2C	Mx	037	.5
70	MP2C	X	-55.947	.5 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	Ž	-20.399	3.73
78	MP3A	Mx	.035	3.73
9	MP3B	X	-69.512	1.83
30	MP3B	Z	-40.133	1.83
31	MP3B	Mx	0	1.83
32	MP3B	X	-69.512	3.73
33	MP3B	Z	-40.133	3.73
4	MP3B	Mx	0	3.73
15	MP3C	X	-35.332	1.83
36	MP3C	Z	-20.399	1.83
37	MP3C	Mx	035	1.83
38	MP3C	X	-35.332	3.73
19	MP3C	Z	-20.399	3.73
90	MP3C	Mx	035	3.73
)1	MPSO	X	-92.21	.5
2	MPSO		-53.237	.5
93	MPSO	Mx	046	.5
95	MP2A	X	-41.406	.25
96 96	MP2A	Z	-23.906	.25
7	MP2A	Mx	021	.25
17	MP2B MP2B	X	-54.971	.25
19	MP2B		-31.738	.25
00	MP2C	Mx	0	.25
01	MP2C	X	-41.406	.25
02	MP2C	Mx	-23.906	.25
03	MP2A	X	.021	.25
04	MP2A	Z	-38.746	3.83
05	MP2A	Mx	-22.37 019	3.83
06	MP2B	X	019 -54.971	3.83
07	MP2B	Z	-31.738	3.83 3.83
08	MP2B	Mx	-31.736	3.83
09	MP2C	X	-38.746	3.83
10	MP2C	Z	-22.37	3.83
11	MP2C	Mx	.019	3.83
12	MP2A	X	-16.257	2
13	MP2A	Ž	-9.386	2
14	MP2A	Mx	008	2
15	MP2B	X	-34.047	2
16	MP2B	Z	-19.657	2 2
17	MP2B	Mx I	0	2
18	MP2C	X	-16.257	2
19	MP2C	Z	-9.386	2
20	MP2C	Mx	.008	2

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

Mer	nber Label	Direction	Magnitude[lb,k-ft]	Location[ft.%] .5
	MP1A	X	-42.5 -73.612	.5
	MP1A		.043	.5
	MP1A	Mx	-42.5	3.5
	MP1A	X	-73.612	3.5
	MP1A	Mx	.043	3.5
	MP1A	X	-42.5	.5
	MP1B	Z	-73.612	.5
	MP1B	Mx	.043	.5
	MP1B	X	-42.5	3.5
	MP1B	Z	-73.612	3.5
	MP1B	Mx	.043	3.5
	MP1B	X	-37.008	.5
	MP1C MP1C	Z	-64.1	.5
	MP1C	Mx	074	.5
	MP1C	X	-37.008	3.5
	MP1C	Ž	-64.1	3.5
	MP1C	Mx	074	3.5
	MP4A	X	-42.5	.5
	MP4A	Z	-73.612	.5
-	MP4A	Mx	.043	.5
	MP4A	X	-42.5	3.5
	MP4A	Z	-73.612	3.5
	MP4A	Mx	.043	3.5
	MP4B	X	-42.5	.5
	MP4B	Z	-73,612	.5
	MP4B	Mx	.043	.5
	MP4B	X	-42.5	3.5
	MP4B	Z	-73.612	3.5
	MP4B	Mx	.043	3.5
	MP4C	X	-37.008	.5
	MP4C	Z	-64.1	.5
	MP4C	Mx	074	.5
34	MP4C	X	-37.008	3.5
	MP4C	Z	-64.1	3.5
	MP4C	Mx	074	3.5
7	MP2A	X	-48.374	.5 .5
8	MP2A	Z	-83.787	.5
9	MP2A	Mx	000502	5
.0	MP2A	X	-48.374	5
1	MP2A	Z	-83.787	5
2	MP2A	Mx	000502	.5
3	MP2B	X	-48.374 -83.787	.5
4	MP2B	Z	.097	.5
5	MP2B	Mx	-48.374	5
	MP2B	X	-83.787	5
7	MP2B	Z	.097	5
8	MP2B	Mx	-24.264	.5
	MP2C	X	-42.026	.5
	MP2C		049	.5
	MP2C	Mx	-24.264	5
	MP2C	X	-42.026	5
	MP2C		049	5
	MP2C	Mx	-48.374	.5
55	MP2A	X	-83.787	.5
56	MP2A	Mx	.097	.5
57	MP2A		NDica\5000385161-\/7W MT	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A		-48.374	5
59	MP2A	X 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	Ž	-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	<u>.5</u> .5
94	MP2A	X	-29.127	
95	MP2A	Z	-50.449	.25
96	MP2A	Mx	015	.25
97	MP2B	X	-29.127	
98	MP2B	Z	- <u>50.449</u>	.25
99	MP2B	Mx	015	.25 .25
100	MP2C	X	-21,295	
101	MP2C	Z	-36.884	.25
102	MP2C	Mx	.021	.25
103	MP2A	X	-28.615	.25
104	MP2A	Z		3.83
105	MP2A	Mx	-49.563	3.83
106	MP2B	X	014 -28.615	3.83
107	MP2B	Z		3.83
108	MP2B	Mx	-49.563	3.83
109	MP2C		014	3.83
110	MP2C	X	-19.247	3.83
111	MP2C	Z	-33.337	3.83
112	MP2A	Mx	.019	3.83
113		X	-16.233	2
114	MP2A MP2A	Z	-28.117	2
1.15	IVIPZA	Mx	008	2



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2B	X	-16.233	2
	MP2B	Z	-28.117	2
16 17	MP2B	Mx	008	2
10	MP2C	X	-5.962	2
18	MP2C	7	-10.327	2
119 120	MP2C	Mx	.006	2

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

	ber Label	Antenna Wi (0 Deg) Direction	Magnitude[lb,k-ft]	Location[ft.%]
1 Nen	/P1A		0	
2	/P1A	X	-17.568	.5
3	/P1A	Mx	0	.5
4 N	/P1A	X	0	3.5
5 N	/P1A	Z	-17.568	3.5
6	/P1A	Mx	0	3.5
7	/P1B	X	0	.5
8	/P1B	Z	-15.542	.5
9	/P1B	Mx	.013	.5
10	/P1B	X	0	3.5
11	/IP1B	Z	-15.542	3.5
	/P1B	Mx	.013	3.5
	/P1C	X	0	.5
14 N	MP1C	Z	-15.542	.5
15 N	MP1C	Mx	013	
16 N	/P1C	X	0	3.5
17 N	/P1C	Z	-15.542	3.5
	/P1C	Mx	013	3.5
	MP4A	X	0	.5
20	MP4A	Z	-17.568	,5
	/IP4A	Mx	0	.5
22	/IP4A	X	0	3.5
	/IP4A	Z	-17.568	3.5
	MP4A	Mx	0	3.5
	MP4B	X	0	.5
26	MP4B	Z	-15.542	.5
27	лР4В	Mx	.013	.5
28	MP4B	X	0	3.5
	MP4B	Z	-15.542	3.5
30	ЛР4В	Mx	.013	3.5
31 N	/IP4C	X	0	.5
32	/IP4C	Z	-15.542	
	ЛР4C	Mx	013	.5
	/P4C	X	0	3.5
	/IP4C	Z	-15.542	3.5
	лР4С	Mx	013	3.5
	MP2A	X	0	.5
	MP2A	Z	-31.969	.5
	MP2A	Mx	019	.5
	MP2A	X	0	5 5
41	MP2A	Z	-31.969	5
	MP2A	Mx	-,019	5
	MP2B	X	0	.5
	MP2B	Z	-24.524	.5
	MP2B	Mx	.028	.5
	MP2B	X	0	5
	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
32	MP3B		0	3.73
83	MP3B	X	-10.738	3.73
34	MP3B	Mx	.009	3.73
35	MP3C	X	0	1.83
86	MP3C	Z	-10.738	1.83
37	MP3C	Mx	009	1.83
38	MP3C	X	0	3.73
39	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	Ž	-15.891	.25
96	MP2A	Mx	0	.25
7	MP2B	X	0	.25
8	MP2B	Z	-12.261	.25
99	MP2B	Mx	005	.25
00	MP2C	X	005	.25
01	MP2C	Z	-12.261	.25
02	MP2C	Mx	.005	.25
03	MP2A	X	.005	3.83
04	MP2A	Z	-15.891	3.83

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

	Mambar Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	Member Label	Mx	0	3.83
105	MP2A	X	0	3.83
106	MP2B	7	-11.608	3.83
107	MP2B	Mx	005	3.83
108	MP2B		0	3.83
109	MP2C	X	-11.608	3.83
110	MP2C			3.83
111	MP2C	Mx	.005	3.00
112	MP2A	X	0	2
113	MP2A	Z	-8.732	- 2
114	MP2A	Mx	0	2
115	MP2B	X	0	
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))

	Point Loads (BLC 16 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.446	5
2	MP1A	X	-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	
	MP1B	X	7.433	3.5
10	MP1B	Z	-12.875	3.5
11 12	MP1B	Mx	.015	3.5
	MP1C	X	8.446	5
13	MP1C	Z	-14.629	.5
14	MP1C	Mx	008	.5
15	MP1C	X	8.446	3.5
16	MP1C	Z	-14.629	3.5
17	MP1C	Mx	008	3.5
18	MP4A	X	8.446	.5
19	MP4A MP4A	Ž	-14.629	.5
20	MP4A	Mx	008	.5
21	MP4A MP4A		8.446	3.5
22		X	-14.629	3.5
23	MP4A	Mx	008	3.5
24	MP4A	X	7.433	.5
25	MP4B	Ž	-12.875	.5
26	MP4B	Mx	.015	.5
27	MP4B	X	7.433	3.5
28	MP4B	Z	-12.875	3.5
29	MP4B	Mx	.015	3,5
30	MP4B	X	8.446	.5
31	MP4C	Ž	-14.629	.5
32	MP4C	Mx	008	.5
33	MP4C	X	8.446	3.5
34	MP4C	$\frac{\lambda}{z}$	-14.629	3.5
35	MP4C		008	3.5
36	MP4C	Mx X	14.744	.5
37	MP2A		14.744	

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

	Member Label	Direction	Magnitude[ib,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	Ž	-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	Ž	-13.989	3.73
78	MP3A	Mx	008	3.73
79	MP3B	X	4.015	1.83
30	MP3B	Z	-6.954	1.83
31	MP3B	Mx	.008	1.83
82	MP3B	X	4.015	3.73
33	MP3B	Z	-6.954	3.73
34	MP3B	Mx	.008	3.73
35	MP3C	X	8.077	
36	MP3C	Z	-13.989	1.83
37	MP3C	Mx	008	1.83
88	MP3C	X	8.077	1.83
39	MP3C	Z		3.73
90	MP3C	Mx	-13.989	3.73
91	MPSQ		008	3.73
92	MPSO	X	15.443	.5
93	MPSO		-26.748	.5
94	MP2A	Mx	.008	.5
77	IVII Z/A	X	7.34	.25



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

nome or .	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
	MP2C	X	7.34	.25
100	MP2C	Z	-12.714	.25
101	MP2C	Mx	.004	.25
102	MP2A	X	7.232	3.83
103		Z	-12.525	3.83
104	MP2A	Mx	.004	3.83
105	MP2A	X	5.09	3.83
106	MP2B	Z	-8.816	3.83
107	MP2B	Mx	005	3.83
108	MP2B	X	7.232	3.83
109	MP2C	Z	-12.525	3.83
110	MP2C	Mx	.004	3.83
111	MP2C	X	3.685	2
112	MP2A	Z	-6.383	2
113	MP2A		.002	2
114	MP2A	Mx	1.643	2
115	MP2B	X		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	

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

Member Label MP1A	Direction X	Magnitude[lb,k-ft]	Location[ft,%]
	Λ	13.46	.5
MP1A	Z	-7.771	.5
MP1A	Mx	013	.5
MP1A	X	13.46	3.5
	Z	-7.771	3.5
MP1A MP1A	Mx	013	3.5
MP1B	X	13.46	.5
	Z	-7.771	.5
	Mx	.013	.5
9 MP1B 0 MP1B	X	13.46	3.5
1 MP1B	Z	-7.771	3,5
Total Company Area	Mx	.013	3.5
	X	15.214	.5
	Z	-8.784	.5
	Mx	0	.5
	X	15.214	3.5
	Z	-8.784	3.5
	Mx	0	3.5
272 - 272	X	13.46	.5
	Z	-7.771	.5
	Mx	-,013	.5
	X	13.46	3.5
	Z	-7.771	3.5
	Mx	013	3.5
MP4A	X	13.46	.5
MP4B	Ž	-7.771	.5
26 MP4B 27 MP4B	Mx	.013	.5

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

20	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
32	MP4C	X	15.214	.5
33	MP4C	Z	-8.784	.5
34	MP4C	Mx	0	.5
35	MP4C	X	15.214	3.5
	MP4C	Z	-8.784	3.5
36	MP4C	Mx	0	3.5
38	MP2A	X	21.238	.5
39	MP2A	Z	-12.262	.5
40	MP2A MP2A	Mx	028	.5
41	MP2A MP2A	X	21.238	5
42	MP2A		-12.262	<u>5</u>
43	MP2B	Mx	028	5
44	MP2B	X	21.238	.5
45	MP2B		-12.262	.5
46	MP2B MP2B	Mx	.014	.5
47	MP2B MP2B	X	21.238	5
48	MP2B	Z	-12.262	5
49	MP2C MP2C	Mx	.014	5
50	MP2C	X	27.686	.5
51	MP2C		-15.984	.5
52	MP2C	Mx	.019	.5
53	MP2C	X	27.686	5
54	MP2C	Z	-15.984	5
55	MP2A	Mx	.019	5
56	MP2A	X Z	21.238	
57	MP2A		-12.262	.5
58	MP2A	Mx	014	.5
59	MP2A	X	21.238	5
60	MP2A	Mx	-12.262	5
61	MP2B	X	014	5
62	MP2B	Z	21.238	.5
63	MP2B	Mx	-12.262	.5
64	MP2B	X	.028 21.238	.5
65	MP2B	Z	-12.262	5
66	MP2B	Mx	.028	5
67	MP2C	X	27.686	<u>5</u> .5
68	MP2C	Z	-15.984	.5
69	MP2C	Mx	019	5 5
70	MP2C	X		
71	MP2C	Z	27.686 -15.984	<u>5</u>
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		9.299	
80	MP3B	X	-5.369	1.83
81	MP3B	Mx	.009	1.83 1.83
82	MP3B	X	9.299	
83	MP3B	Z	-5.369	3.73 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,%]
4	MP1A	X	14.866	.5
-	MP1A	Z	0	.5
2	MP1A	Mx	015	.5
3	MP1A	X	14.866	3.5
4	MP1A	Z	0	3.5
5	MP1A	Mx	015	3.5
6	MP1B	X	16.893	.5
0	MP1B	Z	0	.5
8	MP1B	Mx	.008	.5
9	MP1B	X	16.893	3.5
10	MP1B	Z	0	3.5
**	MP1B	Mx	.008	3.5
12	MP1C	X	16.893	.5
13	MP1C	Z	0	.5
14	MP1C	Mx	.008	5
15	MP1C	X	16.893	3.5
16 17	MP1C	Ž	0	3.5



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

40	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
22	MP4A	Mx	015	.5
23	MP4A	X	14.866	3.5
24	MP4A	Z	0	3.5
25	MP4A	Mx	015	3.5
26	MP4B	X	16.893	.5
27	MP4B	Z	0	.5
28	MP4B	Mx	.008	.5
29	MP4B	X	16.893	3.5
30	MP4B	Z	0	3.5
31	MP4B MP4C	Mx	.008	3.5
32	MP4C MP4C	X	16.893	.5
33		Z	0	.5
34	MP4C	Mx	.008	.5
35	MP4C MP4C	X	16.893	3.5
36	MP4C MP4C	Z	0	3.5
37		Mx	.008	3.5
38	MP2A MP2A	X Z	22.042	.5
39	MP2A MP2A		0	.5
40		Mx	022	.5
41	MP2A MP2A	X	22.042	5
42	MP2A	Z	0	5
43	MP2B	Mx	022	5
44	MP2B	X	29.487	.5
45	MP2B	Z	0	.5
46	MP2B	Mx Mx	000153	.5
47	MP2B	X	29.487	5
48	MP2B	Z	0	5
49	MP2C	Mx	000153	5
50	MP2C	X 7	29.487	.5
51	MP2C	Z	0	.5
52	MP2C	Mx	.03	.5
53	MP2C	X	29.487	5
54	MP2C		0	5
55	MP2A	Mx X	.03	55
56	MP2A MP2A	Z	22.042	.5
57	MP2A		0	.5
58	MP2A	Mx X	-,022	
59	MP2A	Z	22.042	5
60	MP2A		0	5
61	MP2B	Mx X	022	5
62	MP2B	Z	29.487	.5
63	MP2B	Mx	.03	.5
64	MP2B	X	29.487	.5
65	MP2B	Z		5
36	MP2B	Mx	.03	5
37	MP2C			5 .5
58	MP2C	X	29.487	.5
39	MP2C		0	.5
70	MP2C	Mx	000153	.5
71	MP2C	X	29.487	5
72	MP2C	Mx	0	5
73	MP3A		000153	5
74	MP3A	X	8.03	1.83 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 3.73
76	MP3A	X	8.03	
77	MP3A	Z	0	3.73 3.73
78	MP3A	Mx	008	
79	MP3B	X	16.153	1.83 1.83
30	MP3B	Z	0	
81	MP3B	Mx	.008	1.83 3.73
32	MP3B	X	16.153	
33	MP3B	Z	0	3.73
34	MP3B	Mx	.008	3.73
85	MP3C	X	16.153	1.83
36	MP3C	Z	0	1.83
87	MP3C	Mx	.008	1.83
88	MP3C	X	16.153	3.73
39	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
00	MP2C	X	14.681	.25
01	MP2C	Z	0	.25
.02	MP2C	Mx	004	.25
103	MP2A	X	10.18	3.83
104	MP2A	Z	0	3.83
05	MP2A	Mx	.005	3.83
106	MP2B	X	14.463	3.83
07	MP2B	Z	0	3.83
108	MP2B	Mx	004	3.83
109	MP2C	X	14.463	3.83
10	MP2C	Z	0	3.83
111	MP2C	Mx	004	3.83
12	MP2A	X	3.286	2
113	MP2A	Z	0	2
	MP2A	Mx	.002	2
14	MP2B	X	7.37	2
115	MP2B	Z	0	2
116	MP2B	Mx	002	22
117	MP2C	X	7.37	2
118	MP2C	Ž	0	2
119 120	MP2C MP2C	Mx	002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	13.46	.5
2	MP1A	7	7.771	.5
2	MP1A	Mx	013	.5
3		X	13.46	3.5
4	MP1A	7	7.771	3.5
5	MP1A	Mx	013	3.5
6	MP1A	IWA Y	15.214	.5
7	MP1B		10.211	



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		
20	MP4A	Z	13.46	.5
21	MP4A		7.771	.5
22	MP4A	Mx	013	.5
23		<u>X</u>	13.46	3.5
	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	
11	MP2A	Z	12.262	5
12	MP2A	Mx		5
43	MP2B	X	014	5
14	MP2B	Ž	27.686	5
15	MP2B		15.984	.5
16	MP2B	Mx	019	.5
47		X	27.686	5
	MP2B	Z	15.984	5
18	MP2B	Mx	019	5
19	MP2C	X	21.238	.5
50	MP2C	Z	12.262	.5
51	MP2C	Mx	.028	<u>.5</u>
52	MP2C	X	21.238	5
53	MP2C	Z	12.262	5
54	MP2C	Mx	.028	5
5	MP2A	X	21.238	.5
6	MP2A	Z	12.262	.5
57	MP2A	Mx	028	.5
8	MP2A	X	21.238	5
59	MP2A	Z	12.262	5
60	MP2A	Mx	028	5
31	MP2B	X	27.686	.5
52	MP2B	Z	15.984	.5
33	MP2B	Mx	.019	.5
64	MP2B	X	27.686	.5



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

	Point Loads (BLC 19 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2B	Z	15.984	5 5
66	MP2B	Mx	.019	
57	MP2C	X	21.238	.5 .5
68	MP2C	Z	12.262	
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
	MP3C	Mx	.009	3.73
90	MPSO	X	23.663	.5
91	MPSO	Z	13.662	.5
92	MPSO	Mx	.012	.5
93	MP2A	X	10.618	.25
94	MP2A	Z	6.13	.25
95	MP2A	Mx	.005	.25
96		X	13.762	.25
97	MP2B	Z	7.945	.25
98	MP2B	Mx	0	.25
99	MP2B	X	10.618	.25
100	MP2C	$\frac{\lambda}{z}$	6.13	.25
101	MP2C	Mx	005	.25
102	MP2C	X	10.052	3.83
103	MP2A	Z	5.804	3.83
104	MP2A	Mx	.005	3.83
105	MP2A	X	13.762	3.83
106	MP2B	Z	7.945	3.83
107	MP2B	Mx	0	3.83
108	MP2B	X	10.052	3.83
109	MP2C	Z	5.804	3.83
110	MP2C	Mx	005	3.83
111	MP2C		4.025	2
112	MP2A	X	2.324	2
113	MP2A	Z	.002	2
114	MP2A	Mx	7.562	2
115	MP2B	X	4.366	2
116	MP2B	Z	4.300	2
117	MP2B	Mx	4.025	2
118	MP2C	X		2
119	MP2C	Z	2.324	2
120	MP2C	Mx	002	

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	
16	MP1C	X	7.433	.5
17	MP1C	Z		3.5
18	MP1C	Mx	12.875	3.5
19	MP4A	IVIX V	.015	3.5
20	MP4A	X	8.446	5
21	MP4A		14.629	.5
22	MP4A	Mx	008	.5
23	MP4A	X	8.446	3.5
24	MP4A		14.629	3.5
25		Mx	008	3.5
	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
12	MP2A	Mx	.000153	5
13	MP2B	X	14.744	.5
14	MP2B	Z	25.537	.5
15	MP2B	Mx	03	.5
16	MP2B	X	14.744	.5
7	MP2B	Z	25.537	5
18	MP2B	Mx	03	5
19	MP2C	X	11.021	.5
50	MP2C	Z	19.089	.5
51	MP2C	Mx		.5
52	MP2C		.022	.5
53	MP2C	X	11.021	5
54	MP2C	Z	19.089	5
55		Mx	.022	5
	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)

	oint Loads (BLC 20 : A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	14.744	5 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	
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
	MP2B	Mx	.004	.25
99 100	MP2C	X	5.525	.25
101	MP2C	Z	9.57	.25
102	MP2C	Mx	006	.25
103	MP2A	X	7.232	3.83
103	MP2A	Z	12.525	3.83
105	MP2A	Mx	.004	3.83
	MP2B	X	7.232	3.83
106 107	MP2B	Ž	12.525	3.83
	MP2B	Mx	.004	3.83
108	MP2C	X	5.09	3.83
109	MP2C	Ž	8.816	3.83
110	MP2C	Mx	005	3.83
111	MP2A	X	3.685	2
112	MP2A MP2A	Z	6.383	2
113		Mx	.002	2
114	MP2A	IVIA		LO H.r3dl Page 55



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
115 116	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))

1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	MP1A	X	0	.5
2	MP1A	Z	17.568	.5
3	MP1A	Mx	0	.5
5	MP1A	X	0	3.5
	MP1A	Z	17.568	3.5
6 7	MP1A	Mx	0	3.5
	MP1B	X	0	.5
9	MP1B	Z	15.542	.5
10	MP1B	Mx	013	.5
11	MP1B	X	0	3.5
12	MP1B	Z	15.542	3.5
13	MP1B	Mx	013	3.5
	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
0	MP2A	X	0	5
1	MP2A	Z	31.969	5
2	MP2A	Mx	.019	5
3	MP2B	X	0	.5
14	MP2B	Z	24.524	.5
5	MP2B	Mx	028	.5
6	MP2B	X	0	5
17	MP2B	Z	24.524	5



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

	Member Label	Direction	eg)) (Continued) 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
	MP2A	Z	31.969	.5
56 57	MP2A	Mx	019	.5
58	MP2A	X	0	. 5
59	MP2A	Z	31.969	5
60	MP2A	Mx	019	5
	MP2B	X	0	.5
61	MP2B	Z	24.524	.5
62	MP2B	Mx	014	.5
63	MP2B	X	0	5
64	MP2B MP2B	Z	24.524	5
65	MP2B MP2B	Mx	014	5
66	MP2B MP2C	X	0	.5
67	MP2C MP2C	Ž	24.524	.5
68		Mx	.028	.5
69	MP2C	X	0	5
70	MP2C	Z	24.524	5
71	MP2C	Mx	.028	5
72	MP2C	X	0	1.83
73	MP3A	Ž	18.861	1.83
74	MP3A	Mx	0	1.83
75	MP3A	X	Ö	3.73
76	MP3A	Ž	18.861	3.73
77	MP3A	Mx	0	3.73
78	MP3A		0	1.83
79	MP3B	X	10.738	1.83
80	MP3B		009	1.83
81	MP3B	Mx	0	3.73
82	MP3B	X	10.738	3.73
83	MP3B		009	3.73
84	MP3B	Mx	009	1.83
85	MP3C	X	10.738	1.83
86	MP3C	Z	.009	1.83
87	MP3C	Mx	0	3.73
88	MP3C	X	10.738	3.73
89	MP3C	Z	.009	3.73
90	MP3C	Mx	.009	.5
91	MPSO	X	32.667	.5
92	MPSO	Z		.5
93	MPSO	Mx	0	.25
94	MP2A	X	15 901	.25
95	MP2A	Z	15.891	.25
96	MP2A	Mx	0	.25
97	MP2B	X	0	.25
98	MP2B	Z	12.261	
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	7	4.647	5
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_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	Ž	14.629	3.5
18	MP1C	Mx	.008	3.5
19	MP4A		-8.446	.5
20	MP4A	X	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	Ž	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	
32	MP4C	Z	14.629	.5
33	MP4C	Mx	.008	.5 .5
34	MP4C	X	-8.446	
35	MP4C	<u>^</u>	14.629	3.5
36	MP4C	Mx	.008	3.5
37	MP2A	X	-14.744	3.5
	IVII Z/\		-14./44	.5

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

	Point Loads (BLC 22 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2A	Z	25.537	.5
39	MP2A	Mx	.03	.5
10	MP2A	X	-14.744	5
11	MP2A	Z	25.537	5
2	MP2A	Mx	.03	5
13	MP2B	X	-11.021	.5
14	MP2B	Z	19.089	.5
15	MP2B	Mx	022	.5
16	MP2B	X	-11.021	5
17	MP2B	Z	19.089	5
18	MP2B	<u>Mx</u>	022	5
49	MP2C	X	-14.744	.5
50	MP2C		25.537	.5
51	MP2C	Mx	000153	.5
52	MP2C	X	-14.744	<u>5</u> 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	Ž	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)

	Point Loads (BLC 23 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4B	X	-13.46	3.5
29	MP4B		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
	IVII JU	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	7	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	Antenna Wi (270 De	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	008	3.5
19	MP4A	X	-14.866	
	MP4A	Z	0	.5
20 21	MP4A	Mx	.015	.5
	MP4A	X	-14.866	3.5
22	MP4A	Z	0	3.5
	MP4A	Mx	.015	3.5
24	MP4B	X	-16.893	.5
25	MP4B	Z	0	.5
26 27	MP4B	Mx	008	.5
	MP4B	X	-16.893	3.5
28 29	MP4B	Z	0	3.5
30	MP4B	Mx	008	3.5
31	MP4C	X	-16.893	.5
32	MP4C	Z	0	
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
	MP2C	X	-29.487	.5
49 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
	MP2A	Z	0	5
59	MP2A	Mx	.022	5 .5
60	MP2B	X	-29.487	.5
61 62	MP2B	X	0	.5 .5
	MP2B	Mx	03	.5
63	MP2B	X	-29.487	5
64	MP2B	Z	0	5
65	MP2B	Mx	03	5 .5 .5
66	MP2B MP2C	X	-29.487	.5
67	MP2C	Z	0	.5
68		Mx	.000153	.5
69	MP2C	X	-29.487	5
70	MP2C	Z	0	5 5
71	MP2C MP2C	Mx	.000153	5
72		X	-8.03	1.83
73 74	MP3A 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
107 108	MP2B	Z	0	3.83
	MP2B	Mx	.004	3.83
109	MP2C	X	-14.463	3.83
110	MP2C	Z	0	3.83
111 112	MP2C	Mx	.004	3.83
113	MP2A	X	-3.286	2
	MP2A	Z	0	2
114	MP2A	Mx	002	2
116	MP2B	X	-7.37	2
117	MP2B	Z	0	2
118	MP2B	Mx	.002	2
	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	<u> </u>



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

	oint Loads (BLC 25 : 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
1	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	0.0
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
	MP2A	X	-21.238	5
58	MP2A	Ž	-12.262	5
59	MP2A	Mx	.028	5
60	MP2B	X	-27.686	.5
61	MP2B	Ž	-15.984	.5
62	MP2B	Mx	019	.5
63	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	-9.431	3.73
85	MP3C	X	-9.299	1.83
86	MP3C	Z	-5.369	
87	MP3C	Mx	009	1.83
88	MP3C	X		1.83
89	MP3C	Z	-9.299	3.73
90	MP3C		-5.369	3.73
91	MPSO	Mx	009	3.73
92	MPSO	X	-23,663	.5
93	MPSO	Z	-13.662	.5
94		Mx	012	.5
95	MP2A	X	-10.618	.25
	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
00	MP2C	X	-10.618	.25
101	MP2C	Z	-6.13	.25
102	MP2C	Mx	.005	.25
103	MP2A	X	-10.052	3.83
04	MP2A	Z	-5.804	3.83
05	MP2A	Mx	005	3.83
06	MP2B	X	-13.762	3.83
07	MP2B	Z	-7.945	3.83
80	MP2B	Mx	0	3.83
09	MP2C	X	-10.052	3.83
10	MP2C	Z	-5.804	3.83
11	MP2C	Mx	.005	3.83
12	MP2A	X	-4.025	2
13	MP2A	Z	-2.324	2 2
14	MP2A	Mx	002	2
15	MP2B	X	-7.562	2
16	MP2B	Z	-4.366	2
17	MP2B	Mx	0	2
18	MP2C	X	-4.025	2
19	MP2C	Z	-2.324	2
20	MP2C	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%] .5
1	MP1A	X	-8.446 -14.629	.5
2	MP1A	Z	.008	.5
3	MP1A	Mx	-8.446	3.5
4	MP1A	X	-14.629	3.5
5	MP1A		.008	3.5
3	MP1A	Mx	-8.446	.5
7	MP1B	X	-14.629	.5
3	MP1B		.008	.5
9	MP1B	Mx	-8.446	3.5
0	MP1B	X	-14.629	3.5
1	MP1B	Z	.008	3.5
2	MP1B	Mx	-7.433	.5
3	MP1C	X	-12.875	.5
4	MP1C	Z	015	.5
5	MP1C	Mx	-7.433	3.5
6	MP1C	X	-12.875	3.5
7	MP1C	Z	015	3.5
8	MP1C	Mx	-8.446	.5
9	MP4A	X 7	-14.629	.5
20	MP4A	Z	.008	.5
1	MP4A	Mx X	-8.446	3.5
2	MP4A	Z	-14.629	3.5
3	MP4A		.008	3.5
4	MP4A	Mx X	-8.446	.5
5	MP4B	Z	-14.629	.5
6	MP4B		.008	.5
7	MP4B	Mx	-8.446	3.5
28	MP4B	X	-14.629	3.5
9	MP4B		.008	3.5
0	MP4B	Mx	-7.433	.5
31	MP4C	X	-12.875	.5
32	MP4C		015	.5
33	MP4C	Mx	-7.433	3.5
34	MP4C	X	-12.875	3.5
35	MP4C		015	3.5
86	MP4C	Mx	-14.744	.5
37	MP2A	X Z	-25.537	.5
18	MP2A	Mx	000153	.5
9	MP2A		-14.744	5
0	MP2A	X	-25.537	5
1	MP2A	Z	000153	5
2	MP2A	Mx	-14.744	
.3	MP2B	X	-25.537	.5 .5
14	MP2B	Z	.03	.5
15	MP2B	Mx X	-14.744	5
16	MP2B	Z	-25.537	5
7	MP2B		.03	5
18	MP2B	Mx	-11.021	.5
19	MP2C	X	-19.089	.5
50	MP2C	Z	022	.5
51	MP2C	Mx	-11.021	5
52	MP2C	X	-19.089	5
53	MP2C	Z	022	5
54	MP2C	Mx	-14.744	.5
55	MP2A	X	-14.744	.5
56	MP2A	Z	-25.537	.5
57	MP2A	Mx	.00	

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		-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	
101	MP2C	Z	-9.57	.25 .25
102	MP2C	Mx	.006	.25
103	MP2A	X	-7.232	3.83
104	MP2A	Z	-12.525	
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		004 -5.09	3.83
110	MP2C	X		3.83
111	MP2C		-8.816	3.83
112	MP2A	Mx	.005	3.83
113	MP2A	X	-3.685	2
114	MP2A		-6.383	2
	IVIFZA	Mx	002	2



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

⇒ w pt			Location[ft.%]
	X	-3.685	2
	7	-6.383	2
	My	002	2
	X		2
	7		2
	My		2
֡֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜	Member Label MP2B MP2B MP2B MP2C MP2C MP2C	Member Label Direction MP2B X MP2B Z MP2B Mx MP2C X MP2C Z	MP2B X -3.685 MP2B Z -6.383 MP2B Mx 002 MP2C X -1.643 MP2C Z -2.845

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

	Member Label	Antenna Wm (0 Dec	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A		0	.5
2	MP1A	X	-5.541	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	3.5
5	MP1A	Z	-5.541	3.5
	MP1A	Mx	0	3.5
6 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	
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)

48	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP2B MP2C	Mx	.005	5
50	MP2C	X	0	.5
51	MP2C	Z	-4.038	.5
52	MP2C	Mx	002	.5
53	MP2C	X	0	5
54		Z	-4.038	5
55	MP2C	Mx	002	5
	MP2A	X	0	.5
56	MP2A	Z	-7.051	.5
57 58	MP2A	Mx	.004	.5
59	MP2A	<u>X</u>	0	_5
60	MP2A	Z	-7.051	5
61	MP2A	Mx	.004	5
62	MP2B	X	0	.5
63	MP2B	Z	-4.038	.5
64	MP2B	Mx	.002	.5
65	MP2B	X	0	5
66	MP2B	Z	-4.038	5
67	MP2B	Mx Mx	.002	5
68	MP2C	X	0	.5
69	MP2C	Z	-4.038	.5
70	MP2C	Mx	005	.5
71	MP2C	X	0	5
	MP2C	Z	-4.038	5
72	MP2C	Mx	005	5
73 7 4	MP3A	X	0	1.83
	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
00	MP2C	X	0	.25
01	MP2C	Z	-2.988	.25
02	MP2C	Mx	.001	.25
03	MP2A	X	0	3.83
04	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
107	MP2B	Mx	001	3.83
109	MP2C	X	0	3.83
110	MP2C	Z	-2.796	3.83
	MP2C	Mx	.001	3.83
111	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
	MP2B	Mx	000508	2
117	MP2C	X	0	2
118	MP2C	Z	-1.173	2
119 120	MP2C	Mx	.000508	2

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

	Point Loads (BLC 28 : 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
	MP1B	Z	-4.006	3.5
11 12	MP1B	Mx	.005	3.5
13	MP1C	X	2.656	.5
	MP1C	Z	-4.601	.5
14 15	MP1C	Mx	003	.5
	MP1C	X	2.656	3.5
16	MP1C	Ž	-4.601	3.5
17	MP1C	Mx	003	3.5
18	MP4A	X	2.656	.5
19	MP4A	Ž	-4.601	.5
20	MP4A	Mx	003	.5
21	MP4A	X	2.656	3.5
22	MP4A	Z	-4.601	3.5
23	MP4A	Mx	003	3.5
24	MP4B	X	2.313	.5
25		Ž	-4.006	.5
26	MP4B MP4B	Mx	.005	.5
27		X	2.313	3.5
28	MP4B	Z	-4.006	3.5
29	MP4B	Mx	.005	3.5
30	MP4B	X	2.656	.5
31	MP4C	Z	-4.601	.5
32	MP4C	Mx	003	.5
33	MP4C	X	2.656	3.5
34	MP4C	Z	-4.601	3.5
35	MP4C	Mx	003	3.5
36	MP4C	X	3.023	.5
37	MP2A			

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

00	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	Ž	-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	
82	MP3B	X	.864	1.83
83	MP3B	Z	-1.496	3.73
84	MP3B	Mx		3.73
85	MP3C	X	.002 2.097	3,73
86	MP3C	Z		1.83
37	MP3C		-3.632	1.83
88	MP3C	Mx	002	1.83
89	MP3C	X	2.097	3.73
90		Z	-3.632	3.73
90	MP3C	Mx	002	3.73
91	MPSO	X	3.814	.5
	MPSO 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,%]
OE	MP2A	Z	-3.153	.25
95 96	MP2A	Mx	.00091	.25
	MP2B	X	1.331	.25
97	MP2B	7	-2.305	.25
98	MP2B	Mx	001	.25
99		X	1.82	.25
100	MP2C	7	-3.153	.25
101	MP2C	Mx	.00091	.25
102	MP2C	X	1.788	3.83
103	MP2A	7	-3.098	3.83
104	MP2A	Mx	.000894	3.83
105	MP2A	X	1.203	3.83
106	MP2B	7	-2.084	3.83
107	MP2B		001	3.83
108	MP2B	Mx	1.788	3.83
109	MP2C	X	-3.098	3.83
110	MP2C	Z	.000894	3.83
111	MP2C	Mx		2
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	
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
	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	
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
	MP4B	Z	-2.427	.5
26 27	MP4B	Mx	.004	.5

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

N	fember Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4B	X	4.204	3.5
29	MP4B		-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 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	₄ 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 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
6	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
30	MP3B	Z	-1.275	1.83
31	MP3B	Mx	.002	1.83
32	MP3B	X	2.208	3.73
33	MP3B	7	-1.275	3.73
34	MP3B	Mx	.002	3.73



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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
		4.345	1.83
	Z	-2.508	1.83
		1e-6	1.83
		4.345	3.73
		-2.508	3.73
		1e-6	3.73
		5.763	.5
		-3.327	.5
		.003	.5
			.25
	7		.25
		.001	.25
			.25
		-1.494	.25
			.25
			.25
	Ž		.25
		0	.25
		2.422	3.83
			3.83
		.001	3.83
			3.83
			3.83
			3.83
			3.83
			3.83
		0	3.83
		1.016	2
			2
			2
			2
			2
			2
			2
			2
			2
	MP3C MP3C MP3C MP3C MP3C MP3C MP3C MP3C	MP3C Z MP3C Z MP3C X MP3C X MP3C Mx MP3C Mx MP3C Mx MPSO X MPSO Mx MPSO Mx MP2A X MP2A X MP2B X MP2B X MP2B X MP2C X MP2C X MP2A X MP2A X MP2B X MP2B X MP2B X MP2C X MP2A X MP2A X MP2A X MP2B X MP2A X MP2A X MP2A X MP2A X MP2A X MP2B X MP2B X	MP3C X 4,345 MP3C Z -2,508 MP3C Mx 1e-6 MP3C X 4,345 MP3C Z -2,508 MP3C Mx 1e-6 MP3C X 5,763 MPSO X 5,763 MPSO Mx 0,003 MP2A X 2,588 MP2A X 2,588 MP2A Mx 0,001 MP2B X 2,588 MP2B X 2,588 MP2B X 2,1494 MP2C X 3,436 MP2A X 2,422 MP2B X

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)

Men	ber Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	/P1C	Mx	.003	3.5
	/IP4A	X	4.626	5
	/IP4A	Z	0	.5
	/IP4A	Mx	005	.5
	/IP4A	X	4.626	3.5
	/IP4A	Z	0	3.5
	/IP4A	Mx	005	3.5
	/IP4B	X	5.312	.5
	/IP4B	Z	0	.5
	/IP4B	Mx	.003	.5
	/IP4B	X	5.312	3.5
	1P4B	Z	0	3.5
	1P4B	Mx	.003	3.5
	1P4C	X	5.312	.5
	1P4C	Z	0	.5
	1P4C	Mx	.003	.5
	IP4C	X	5.312	3.5
	IP4C	Z	0	3.5
	IP4C	Mx	.003	3.5
37 N	1P2A	X	3.033	.5
38 N	1P2A	Z	0	.5
39 N	1P2A	Mx	003	.5
	1P2A	X	3.033	5
41 N	1P2A	Z	0	5
	IP2A	Mx	003	5
	IP2B	X	6.047	.5
	IP2B	Z	0	.5
	IP2B	Mx	-3.1e-5	.5
	IP2B	X	6.047	5
	IP2B	Ž	0	5
	P2B	Mx	-3.1e-5	5
	P2C	X	6.047	.5
	P2C	Ž	0	.5
	P2C	Mx	.006	.5
	P2C	X	6.047	5
	P2C	Z	0.047	5
	P2C	Mx	.006	5
	IP2A	X	3.033	.5 .5
	IP2A	Z	0	.5
	IP2A	Mx	003	. 5 .5
	P2A	X	3.033	.5 5
	IP2A	Z	0	
	IP2A	Mx	003	5
	P2B	X	6.047	5 .5
	P2B	Z	0	.5
	P2B	Mx		.5
	P2B	X	.006 6.047	.5
	P2B	Z		5
	P2B		0	5
	P2C	Mx	.006	5 .5
	P2C	X	6.047	.5
		Z	0	.5
	P2C	Mx	-3.1e-5	.5
	P2C	X	6.047	5
	P2C	Z	0	5
	P2C	Mx	-3.1e-5	5
	P3A	X	1.728	1.83
74 M	P3A	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	7	2.427	.5
2	MP1A	Mx	004	.5
3	MP1A	X	4.204	3.5
+	MP1A	7	2.427	3.5
2		Mx	004	3.5
6	MP1A 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	<u>X</u>	4.799	3.5
11 12	MP1B	Z	2.771	3.5
13	MP1B	Mx	0	3.5
14	MP1C MP1C	X	4.204	.5
15	MP1C	Z	2.427	.5
16	MP1C MP1C	Mx V	.004	.5
17	MP1C	X	4.204 2.427	3.5
18	MP1C	Mx	.004	3.5
19	MP4A	X	4.204	3.5
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 41	MP2A	X	3.497	5
42	MP2A MP2A	Z	2.019	5
43	MP2B	Mx	002	5
44	MP2B	X	6.107	5
45	MP2B	Mx	3.526 004	.5
46	MP2B	X	6.107	.5
47	MP2B	Z	3.526	<u>5</u>
48	MP2B	Mx	004	5
19	MP2C	X	3.497	.5
50	MP2C	Z	2.019	
51	MP2C	Mx	.005	.5 .5
52	MP2C	X	3.497	5
53	MP2C	Z	2.019	5
54	MP2C	Mx	.005	5
55	MP2A	X	3.497	.5
6	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
31	MP2B	X	6.107	.5 .5
52	MP2B	Z	3.526	.5
53	MP2B	Mx	.004	.5
64	MP2B	X	6.107	5



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

	Member Label	Antenna Wm (120 D	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2B	Z	3.526	5
66	MP2B	Mx	.004	55
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	Ž	2.508	3.73
84	MP3B	Mx	1e-6	3.73
85	MP3C	X	2.208	1.83
	MP3C	Z	1.275	1.83
86	MP3C	Mx	.002	1.83
87	MP3C	X	2.208	3.73
88	MP3C	Z	1.275	3.73
89	MP3C	Mx	.002	3.73
90	MPSO	X	5.763	.5
91		Ž	3.327	.5
92	MPSO	Mx	.003	.5
93	MPSO	X	2.588	.25
94	MP2A	Z	1.494	.25
95	MP2A	Mx	.001	.25
96	MP2A	X	3.436	.25
97	MP2B	Z	1.984	.25
98	MP2B	Mx	0	.25
99	MP2B	X	2.588	.25
100	MP2C	\ Z	1.494	.25
101	MP2C	Mx	001	.25
102	MP2C		2.422	3.83
103	MP2A	X Z	1.398	3.83
104	MP2A		.001	3.83
105	MP2A	Mx	3.436	3.83
106	MP2B	X Z	1.984	3.83
107	MP2B		0	3.83
108	MP2B	Mx	2.422	3.83
109	MP2C	X	1.398	3.83
110	MP2C	Z		3.83
111	MP2C	Mx	001	2
112	MP2A	X	1.016	2
113	MP2A	Z	.587	2
114	MP2A	Mx	.000508	2
115	MP2B	X	2.128	2
116	MP2B		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))

1	Member Label MP1A	Direction	Magnitude[lb,k-ft]	Location[ft.%]
2	MP1A	X	2.656	.5
3	MP1A	Z	4.601	.5
4		Mx	003	.5
	MP1A	X	2.656	3.5
6	MP1A	Z	4.601	3.5
7	MP1A	Mx	003	3.5
	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	
30	MP4B	Mx	003	3.5
31	MP4C	X	2.313	3.5
32	MP4C	Z		.5
33	MP4C	Mx	4.006	.5
34	MP4C		.005	.5
35	MP4C	X	2.313	3.5
36	MP4C		4.006	3.5
37	MP2A	Mx	.005	3.5
38	MP2A	X	3.023	.5
39	MP2A	Z	5.237	.5
40		Mx	3.2e-5	.5
41	MP2A MP2A	X	3.023	5
42		Z	5.237	5
43	MP2A	Mx	3.2e-5	5
	MP2B	X	3.023	.5 .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	
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)

	Point Loads (BLC 32 : 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
	MP2C	X	1.516	.5
67	MP2C	Ž	2.627	.5
68	MP2C	Mx	.003	.5
69	MP2C	X	1.516	5
70		Ž	2.627	5
71	MP2C	Mx	.003	5
72	MP2C	X	2.097	1.83
73	MP3A	Z	3.632	1.83
74	MP3A		002	1.83
75	MP3A	Mx	2.097	3.73
76	MP3A	X	3.632	3.73
77	MP3A	Z	002	3.73
78	MP3A	Mx	2.097	1.83
79	MP3B	X	2.097	1.83
80	MP3B	Z	3.632	1.83
81	MP3B	Mx	002	3.73
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
	MP2A	X	1.82	.25
94	MP2A	Z	3.153	.25
95	MP2A	Mx	.00091	.25
96	MP2B	X	1.82	.25
97		Z	3.153	.25
98	MP2B	Mx	.00091	.25
99	MP2B	X	1.331	.25
100	MP2C	Z	2.305	.25
101	MP2C	Mx	001	.25
102	MP2C		1.788	3.83
103	MP2A	X	3.098	3.83
104	MP2A		.000894	3.83
105	MP2A	Mx		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	
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
116 117	MP2B	Z	1.757	2
117	MP2B	Mx	.000507	2
118	MP2C	X	.373	2
119	MP2C	7	.645	2
118 119 120	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
10	MP2A	X	0	5
11	MP2A	Z	7.051	5
12	MP2A	Mx	.004	5
13	MP2B	X	0	.5
14	MP2B	Ž	4.038	.5
45	MP2B	Mx	005	.5
46	MP2B	X	0	
17	MP2B	Z	4.038	5

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

	Member Label	Direction	Deg)) (Continued) Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	005	5
19	MP2C	Χ	0	
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
52	MP2B	Z	4.038	.5
63	MP2B	Mx	002	.5
64	MP2B	X	0	5
65	MP2B	Z	4.038	5
	MP2B	Mx	002	5
66	MP2C	X	0	.5
67	MP2C MP2C	Z	4.038	.5
68	MP2C MP2C	Mx	.005	.5
69	MP2C	X	0	5
70		Ž	4.038	5
71	MP2C	Mx	.005	5
72	MP2C	X	0	1.83
73	MP3A	Ž	5.017	1.83
74	MP3A	Mx	0	1.83
75	MP3A	X	Ö	3.73
76	MP3A	Z	5.017	3.73
77	MP3A		0	3.73
78	MP3A	Mx	Ö	1.83
79	MP3B	X	2.55	1.83
80	MP3B		002	1.83
81	MP3B	Mx	0	3.73
82	MP3B	X		3.73
83	MP3B		2.55	3.73
84	MP3B	Mx	002	1.83
85	MP3C	X	0	1.83
86	MP3C	Z	2.55	1.83
87	MP3C	Mx	.002	
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
	MP2A	Mx	0	.25
96	MP2B	X	0	.25
97	MP2B	Z	2.988	.25
98	MP2B	Mx	.001	.25
99		X	0	.25
100	MP2C	Z	2.988	.25
101	MP2C	Mx	001	.25
102	MP2C	X	0	3.83
103	MP2A	7	3.967	3.83
104	MP2A		0.001	7.1.3.A.



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	Ō	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	7	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	7	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	Ž	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
10	MP2A	X	-3.023	<u>5</u>
11	MP2A	Z	5.237	
12	MP2A	Mx	.006	5
13	MP2B	X	-1.516	.5
14	MP2B	Z	2.627	.5
15	MP2B	Mx	003	.5
16	MP2B	X	-1.516	5
17	MP2B	Z	2.627	5
18	MP2B	Mx	003	<u>5</u> .5
19	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	
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	M×	.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	Χ	864	3.73
83	MP3B	Z	1.496	3.73
84	MP3B	Mx	002	3.73
85	MP3C	X	-2.097	1.83
	MP3C	Ž	3.632	1.83
86	MP3C	Mx	.002	1.83
87	MP3C	X	-2.097	3.73
88	MP3C	Z	3.632	3.73
89	MP3C MP3C	Mx	.002	3.73
90		X	-3.814	.5
91	MPSO	Z	6.605	.5
92	MPSO	Mx	002	.5
93	MPSO 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	7	.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)

	Point Loads (BLC 35 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4B	X	-4.204	3.5
29	MP4B		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	
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	
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		-4.345	1.83
86	MP3C	X	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	Antenna Wm (270 D	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 .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	Χ	-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	<u>Z</u>	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	
73	MP3A	X	-1.728	1.83 1.83
74	MP3A	Z	0	1.03



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	7	-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 .5
9	MP1B	Mx	0	3.5
10	MP1B	X	-4.799	3.5
11	MP1B	Z	-2.771	3.5
12	MP1B	Mx	0	.5
13	MP1C	X	-4.204	.5
14	MP1C	Z	-2.427	.5
15	MP1C	Mx	004	3.5
16	MP1C	X	-4.204	3.5
17	MP1C	Z	-2.427	3.5
18	MP1C	Mx	004	.5
19	MP4A	X	-4.204	.5
20	MP4A	Z	-2.427	.5
21	MP4A	Mx	.004	3.5
22	MP4A	X	-4.204	3.5
23	MP4A	Z	-2.427	3.5
24	MP4A	Mx	.004	.5
25	MP4B	X	-4.799 2.771	.5
26	MP4B	Z	-2.771	.5
27	MP4B	Mx	0	3.5
28	MP4B	X	-4.799 -2.771	3.5
29	MP4B	Z	-2.771	3.5
30	MP4B	Mx	-4.204	.5
31	MP4C	X Z	-2.427	.5
32	MP4C		004	.5
33	MP4C	Mx	-4.204	3.5
34	MP4C	X Z	-2.427	3.5
35	MP4C		004	3.5
36	MP4C	Mx	-3.497	.5
37	MP2A	X	-2.019	.5
38	MP2A	Z	.002	.5
39	MP2A	Mx	-3.497	5
40	MP2A	X Z	-2.019	5
41	MP2A		.002	5
42	MP2A	Mx	-6.107	.5
43	MP2B	X	-3.526	.5
44	MP2B	Z Mx	.004	.5
45	MP2B	X	-6.107	5
46	MP2B	Ž	-3.526	5
47	MP2B		.004	5
48	MP2B	Mx	-3.497	.5
49	MP2C	X Z	-2.019	.5
50	MP2C	Mx	005	.5
51	MP2C	X	-3.497	5
52	MP2C	Z	-2.019	5
53	MP2C	Mx	-,005	5
54	MP2C	X	-3.497	.5
55	MP2A	Ž	-2.019	.5
56	MP2A	Mx	.005	.5
57	MP2A	X	-3.497	5
58	MP2A	Ž	-2.019	5
59	MP2A	Mx	.005	5
60	MP2A		-6.107	.5
61	MP2B	X	-3.526	.5
62	MP2B		004	.5
63	MP2B	Mx X	-6.107	5
64	MP2B		-0.107	



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	-2,500 -1e-6	3.73
85	MP3C	X	-2.208	1.83
86	MP3C	Z	-1.275	
87	MP3C	Mx	002	1.83
88	MP3C	X	-2.208	1.83
89	MP3C	Z		3.73
90	MP3C	Mx	-1.275	3.73
91	MPSO	X	002	3.73
92	MPSO	Ž	-5.763	.5
93	MPSO		-3.327	.5
94	MP2A	Mx	003	.5
95	MP2A	X	-2.588	.25
96	MP2A	Z	-1.494	.25
97		Mx	001	.25
98	MP2B	X	-3.436	.25
99	MP2B	Z	-1.984	.25
00	MP2B	Mx	0	.25
	MP2C	X	-2.588	.25
01	MP2C	Z	-1.494	.25
	MP2C	Mx	.001	.25
03	MP2A	X	-2.422	3.83
04	MP2A	Z	-1.398	3.83
05	MP2A	Mx	001	3.83
06	MP2B	X	-3.436	3.83
07	MP2B	Z	-1.984	3.83
80	MP2B	Mx	0	3.83
09	MP2C	X	-2.422	3.83
10	MP2C	Z	-1.398	3.83
11	MP2C	Mx	.001	3.83
12	MP2A	X	-1.016	2
13	MP2A	Z Z	587	2
14	MP2A	Mx	000508	2
15	MP2B	X	-2.128	2
16	MP2B	Z	-1.229	2
17	MP2B	Mx	0	2
18	MP2C	X	-1.016	2
19	MP2C	Ž	587	2
20	MP2C	Mx	.000508	2

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

	Point Loads (BLC 38 : 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
	MP1A	X	-2.656	3.5
5	MP1A	Z	-4.601	3.5
3	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
	MP2C	Z	-2.627	.5
50 51	MP2C	Mx	003	.5
52	MP2C	X	-1.516	5
	MP2C MP2C	Z	-2.627	5
53	MP2C	Mx	003	5
54	MP2A	X	-3.023	.5
55	MP2A	Z	-5.237	.5
56 57	MP2A MP2A	Mx	.006	.5



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

E0	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58 59	MP2A	X	-3.023	5
	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 .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
00	MP2C		-1.331	.25
01	MP2C	X	-2.305	.25
02	MP2C	Mx	.001	.25
03	MP2A		-1.788	3.83
04	MP2A	X	-3.098	3.83
05	MP2A	Mx	000894	3.83
06	MP2B	X	-1.788	3.83
07	MP2B	Ž	-3.098	3.83
08	MP2B	Mx	000894	3.83
09	MP2C	X	-1.203	3.83
10	MP2C	Z	-2.084	3.83
11	MP2C	Mx	.001	3.83
12	MP2A	X	-1.015	2
13	MP2A	Ž	-1.757	2
14	MP2A	Mx	000508	2



Member Point Loads (BLC 38 : Antenna	Wm (330 Deg)) (Continued)
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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
145	MP2B	X	-1.015	2
116	MP2B	7	-1.757	2
115 116 117	MP2B	Mx	000507	2
118	MP2C	X	373	2
110	MP2C	7	645	2
119	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 Laber	Welline	Manharlahal	Direction	Magnitudellb.k-ftl	Location[ft,%]
	1	Member Label M35	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	CBA1	Y	-250	%50
	CDA1			

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
	MP1A	Mz	0	3.5
7	MP1B	Y	145	.5
	MP1B	My	7.2e-5	.5
8	MP1B	Mz	000125	.5
9	MP1B	Y	145	3.5
	MP1B	My	7.2e-5	3.5
11	MP1B	Mz	000125	3.5
12	MP1C	Y	145	.5
13	MP1C	My	7.2e-5	.5
14	MP1C	Mz	.000125	.5
15		Y	145	3.5
16	MP1C	My	7.2e-5	3.5
17	MP1C	Mz	.000125	3.5
18	MP1C	Y	145	.5
19	MP4A	My	000145	.5
20	MP4A	Mz	0	.5
21	MP4A	Y	145	3.5
22	MP4A	My	000145	3.5
23	MP4A		0	3.5
24	MP4A	Mz Y	145	.5
25	MP4B			.5
26	MP4B	My		
27	MP4B	Mz	000125	3.5
28	MP4B	Y	145 7.20.5	3.5
29	MP4B	My	7.2e-5	3.0

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	Ÿ	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	000433	.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 .5	
70	MP2C	Y	482	.5 5	
71	MP2C	My	-2e-6	<u> </u>	
72	MP2C	Mz	.000558		
73	MP3A	Y	-1.05	5 1.83	
74	MP3A	My	001	1.83	
75	MP3A	Mz	-,001		
76	MP3A	Y	-1.05	1.83	
77	MP3A	My		3.73	
78	MP3A		001	3.73	
79	MP3B	Mz	0	3.73	
30	MP3B	Y	-1.05	1.83	
81		My	.000525	1.83	
82	MP3B	Mz	00091	1.83	
83	MP3B	Y	-1.05	3.73	
84	MP3B	My	.000525	3.73	
85	MP3B	Mz	00091	3.73	
86	MP3C	Y	-1.05	1.83	
UU	MP3C	My	.000525	1.83	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%] 1.83	
87	MP3C	Mz	.00091		
	MP3C	Y	-1.05	3.73	
88	MP3C	My	.000525	3.73	
89	MP3C	Mz	.00091	3.73	
90	MPSO	Y	772	.5	
91	MPSO	Mv	.000386	.5	
92	MPSO	Mz	0	.5	
93	MP2A	Y	-1.802	.25	
94	MP2A	Mv	.000901	.25	
95	MP2A	Mz	0	.25	
96	MP2B	Y	-1.802	.25	
97	MP2B	Mv	00045	.25	
98	MP2B	Mz	.00078	.25	
99	MP2C	Y	-1.802	.25	
100	MP2C MP2C	Mv	00045	.25	
101		Mz	00078	.25	
102	MP2C MP2A	Y	-1.696	3.83	
103		Mv	.000848	3.83	
104	MP2A MP2A	Mz	0	3.83	
105		Y	-1.696	3.83	
106	MP2B	Mv	000424	3.83	
107	MP2B	Mz	.000734	3.83	
108	MP2B	Y	-1.696	3.83	
109	MP2C	Mv	000424	3.83	
110	MP2C	Mz	000734	3.83	
111	MP2C	Y	425	2	
112	MP2A	My	.000212	2	
113	MP2A	Mz	0	2	
114	MP2A	Y	425	2	
115	MP2B	My	000106	2	
116	MP2B	Mz	.000184	2	
117	MP2B	Y	425	2	
118	MP2C	My	000106	2	
119	MP2C	Mz	000184	2	
120	MP2C	IVIZ	.000101		

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
-	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)

00	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	
14	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	
8	MP3C	Mx	002	1.83	
59	MP3C	Z	-2.626	3.73	
30	MP3C	Mx	002	3.73	
61	MPSO	Z	-1.93	.5	
32	MPSO	Mx	0		
33	MP2A	Z	-4.504	.5 .25	
64	MP2A	Mx	0	.25	
55	MP2B	Z	-4.504	.25	
66	MP2B	Mx	002	.25	
67	MP2C	Z	-4.504	.25	
88	MP2C	Mx	-4.504	.25	
39	MP2A	Z		.25	
70	MP2A	Mx	-4.239	3.83	
1	MP2B		0	3.83	
2	MP2B	Z	-4.239	3.83	
3	MP2C	Mx	002	3.83	
74	MP2C	Z	-4.239	3.83	
75		Mx -	.002	3.83	
	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		
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	
	MP2C	X	1.206	.5	
33 34	MP2C	Mx	.001	.5	
35	MP2C	X	1.206	5	
	MP2C	Mx	.001	5	
36	MP2A	X	1.206	.5	
37	MP2A	Mx	001	.5	
38	MP2A	X	1.206	5	
39 40	MP2A	Mx	001	5	
	MP2B	X	1.206	.5	
41	MP2B	Mx	.001	.5	
42	MP2B	X	1.206	5 5	
43	MP2B	Mx	.001	5	
44	MP2C	X	1.206	.5	
45	MP2C	Mx	-6e-6	.5	
46	MP2C MP2C	X	1.206	5	
47	MP2C	Mx	-6e-6	5	
48 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	ΥΥ	-7.552	-7.552	0	%100
2	CBB1	Υ	-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	Ö	%100
7	M10	Y	-11.066	-11.066	0	%100
8	M23	Y	-11.066	-11.066	0	%100
9	M24	Υ	-11.066	-11.066	0	%100
10	MP1A	Υ	-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	Ö	%100
15	M30A	Υ	-10.525	-10.525	Ō	%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	Ö	%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	V	-4.935	-4.935	0	%100
22	MP2B	Ý	-4.935	-4.935	0	%100
23	MP4B	Ý	-4.935	-4.935	0	%100
24	MP3B	Y	-4.935	-4.935	0	%100
25		V	-9.534	-9.534	0	%100
26	M38A	- 	-9.534	-9.534	0	%100
27	M39A	· ·	-4.935	-4.935	0	%100
28	MPSO	\ \vec{v}	-5.636	-5.636	0	%100
29	M44	Y	-5.636	-5.636	0	%100
30	M70A	Y Y	-5.636	-5.636	0	%100
31	M71A			-10.73	0	%100
32	M74	Y	-10.73	-10.73	0	%100
33	<u>M75</u>		-10.73	-10.73	0	%100
34	M78	Υ	-10.73		0	%100
35	M79	Y	-10.73	-10.73	0	%100
36	M82	Y	-10.73	-10.73	0	%100 %100
37	M83	Y	-10.73	-10.73		%100 %100
38	M84	Υ	-7.552	-7.552	0	%100
39	M85	Υ	-7.552	-7.552	0	
40	M86	Y	-7.552	-7.552	0	%100
41	M87	Υ	-6.561	-6.561	0	%100
42	M88	Υ	-6.561	-6.561	0	%100
43	M89	Υ	-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))

	er Distributed Lo Member Label	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
4	CBC1	X	Otal Magnitadoparti	0	0	%100
1	CBC1	7	-5.119	-5.119	0	%100
2		X	0.110	0	0	%100
3	CBB1	Z	-5.119	-5.119	0	%100
4	CBB1	X	0.110	0	0	%100
5	CBA1	Z	-20.476	-20.476	0	%100
6	CBA1	X	-20.470	0	0	%100
7	<u>M7</u>	Ż	-5.119	-5.119	0	%100
8	M7		-5.115	0	Ō	%100
9	M8	X	-5.119	-5.119	0	%100
10	M8	Z	-5.119	-5.115	0	%100
11	M9	X		-20.476	Ö	%100
12	M9	Z	- <u>20.476</u>	-20.470	0	%100
13	M10	X		-13.096	0	%100
14	M10	Z	-13.096	-13.090	0	%100
15	M23	X	10.000	40,000	0	%100
16	M23	Z	-13.096	-13.096	0	%100
17	M24	XX		+		%100 %100
18	M24	Z	0	0	0	%100 %100
19	MP1A	X	0	0	0	
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	7	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	Ö	%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	Ö	%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	Ö	%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	Ö	%100
67	M78	X	0	0	0	%100
68	M78	Z	-6.655	-6.655	Ö	%100 %100
69	M79	X	0	0	0	%100 %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 %100
73	M83	X	0.000	0	0	%100 %100
74	M83	Z	-6.655	-6.655	0	%100 %100
75	M84	X	0	-0.055	0	%100 %100
76	M84	Z	-3.79	-3.79	0	%100 %100
77	M85	X	0	0	0	%100
78	M85	Z	-3.79	-3.79	0	%100 %100
79	M86	X	0	-3.79	0	%100 %100
80	M86	Z	-15.16	-15.16	0	
81	M87	X	-13.16	-13.16		%100 %100
82	M87	Z	-10.992	-10.992	0	%100
83	M88	X	-10.992	-10.992		%100 %100
84	M88	Z	-10.992		0	%100
85	M89	X	-10.992	-10.992 0	0	%100 %100

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

CITIO	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
96	M89	7	-15.073	-15.073	0	%100
86	M90	Y	0	0	0	%100
87		+	-3.113	-3.113	0	%100
88	M90	- Z	-5.110	0.1.0	0	%100
89	M91	<u> </u>	0.440	-3.113	0	%100
89 90	M91		-3.113	-3.113	0	%100
91	M92	X	0	0	0	THE STATE OF THE S
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		%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_
	M10	Z	-3.78	-3.78	0	%100
14	M23	X	8.731	8.731	0	%100
15	M23	Z	-15.122	-15.122	0	%100
16	M24	X	2.183	2.183	0	%100
17	M24	Z	-3.78	-3.78	0	%100
18	MP1A	X	4.863	4.863	0	%100
19		Z	-8.423	-8.423	0	%100
20	MP1A	X	4.863	4.863	0	%100
21	MP2A	Z	-8.423	-8.423	0	%100
22	MP2A	X	4.863	4.863	0	%100
23	MP4A	Z	-8.423	-8.423	0	%100
24	MP4A	X	1.914	1.914	0	%100
25	M28A	Z	-3.315	-3.315	0	%100
26	M28A	X	1.45	1.45	0	%100
27	M29A		-2.512	-2.512	0	%100
28	M29A	Z	1.914	1.914	0	%100
29	M30A		-3.315	-3.315	0	%100
30	M30A	Z	7.655	7.655	0	%100
31	M32	X	-13.258	-13.258	0	%100
32	M32	Z	4.863	4.863	0	%100
33	MP3A		-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	0	%100
40	MP4C	Z	-8.423	4.863	0	%100
41	MP3C	X	4.863	-8.423	0	%100
42	MP3C	Z	-8.423		0	%100
43	MP1B	X	4.863	4.863	0	%100
44	MP1B	Z	-8.423	-8.423	1 0	%100
45	MP2B	X	4.863	4.863	0	%100
46	MP2B	Z	-8.423	-8.423	U	70100

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

47	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F		End Location[ft,%]
	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 %100
72	M82	Z	0	0	0	%100 %100
73	M83	X	0	0	0	%100
74	M83	Z	-0	Ö	0	%100
75	M84	X	5.685	5.685	0	%100 %100
76	M84	Z	-9.847	-9.847	0	%100
77	M85	X	0	0	0	%100 %100
78	M85	Z	0	Ŏ	0	%100
79	M86	X	5.685	5.685	0	%100 %100
80	M86	Z	-9.847	-9.847	0	%100 %100
81	M87	X	2.189	2.189	0	%100 %100
82	M87	Z	-3.792	-3.792	0	%100
83	M88	X	8.169	8.169	0	%100 %100
84	M88	Z	-14.149	-14.149	0	%100 %100
85	M89	X	8.169	8.169	0	%100 %100
86	M89	Z	-14.149	-14.149	0	%100 %100
87	M90	X	2.189	2.189	0	
88	M90	Z	-3.792	-3.792		%100 %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 %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	Ď	%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)

M	ember Label	Direction		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
	MP2A	X	8.423	8.423	0	%100
21		Ž	-4.863	-4.863	0	%100
22	MP2A	X	8.423	8.423	0	%100
23	MP4A	Z	-4.863	-4.863	0	%100
24	MP4A	X	9.944	9.944	0	%100
25	M28A	Z	-5.741	-5.741	0	%100
26	M28A	X	7.536	7.536	0	%100
27	M29A		-4.351	-4.351	0	%100
28	M29A	Z	-4.351	0	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Z		9.944	0	%100
31	M32	X	9.944	-5.741	0	%100
32	M32	Z	-5.741	8.423	0	%100
33	MP3A	X	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		%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 %100
41	MP3C	X	8.423	8.423	0	
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
	M39A	Z	0	0	0	%100
54	MPSO	X	6.1	6.1	0	%100
55	MPSO	Z	-3.522	-3.522	0	%100
56		X	2.549	2.549	0	%100
57	M44	Z	-1.472	-1.472	0	%100
58	M44	X	10.196	10.196	0	%100
59	M70A		-5.887	-5.887	0	%100
60	M70A	Z	2.549	2.549	0	%100
61	M71A	X	-1.472	-1.472	0	%100
62	M71A	Z	5.763	5.763	0	%100
63	M74	X	-3.327	-3.327	0	%100
64	M74	Z	-3.341	U.UEI		

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	Ō	%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 %100
73	M83	X	5.763	5.763	0	%100 %100
74	M83	Z	-3.327	-3.327	0	%100
75	M84	X	13.129	13.129	Ō	%100
76	M84	Z	-7.58	-7.58	0	%100
77	M85	X	3.282	3.282	0	%100 %100
78	M85	Z	-1.895	-1.895	Ö	%100
79	M86	X	3.282	3.282	0	%100
80	M86	Z	-1.895	-1.895	Ö	%100
81	M87	X	2.696	2.696	0	%100 %100
82	M87	Z	-1.556	-1.556	0	%100
83	M88	X	13.053	13.053	Ŏ	%100
84	M88	Z	-7.536	-7.536	o l	%100
85	M89	X	9.519	9.519	Ö	%100
86	M89	Z	-5.496	-5.496	Ŏ	%100
87	M90	X	9.519	9.519	Ö	%100
88	M90	Z	-5.496	-5.496	0	%100
89	M91	X	13.053	13.053	o l	%100 %100
90	M91	Z	-7.536	-7.536	0	%100 %100
91	M92	X	2.696	2.696	0	%100 %100
92	M92	Z	-1.556	-1.556	ő	%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	T Ö	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	4.365	4.365	0	%100
14	M10	Z	0	0	Ö	%100
15	M23	X	4.365	4.365	0	%100 %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	Ö	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	9.726	9.726	0	%100
22	MP2A	Z	0.720	0.720	0	%100 %100
23	MP4A	X	9.726	9.726	0	%100 %100
24	MP4A	Z	0.720	0	0	%100 %100
25	M28A	X	15.31	15.31	0	%100 %100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude(lb/ft,F		End Location[ft,%]
26	M28A	Z	0	0	0	%100 %100
27	M29A	X	11.603	11.603	0	%100 %100
28	M29A	Z	0	0	0	%100 %100
29	M30A	X	3.827	3.827	0	%100 %100
30	M30A	Z	0	0	0	%100 %100
31	M32	X	3.827	3.827	0	%100 %100
32	M32	Z	0	0	0	
33	MP3A	X	9.726	9.726	0	%100 %100
34	MP3A	Z	0	0	0	
35	MP1C	X	9.726	9.726	0	%100
36	MP1C	Z	0	0	0	%100 %100
37	MP2C	X	9.726	9.726	0	%100 %100
38	MP2C	Z	0	0	0	%100 %100
39	MP4C	X	9.726	9.726	0	
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 %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
OI	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	Ů.	%100
92	M92	Z	0	0	Ď.	%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	8M	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	<u>M23</u>	_ X	0	0.0 (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	Ö	%100
21	MP2A	X	8.423	8.423	0	%100
22	MP2A	Z	4.863	4.863	Ö	%100
23	MP4A	X	8.423	8.423	0	%100
24	MP4A	Z	4.863	4.863	Ö	%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	Ŏ	%100
29	M30A	X	9.944	9.944	0	%100
30	M30A	Z	5.741	5.741	0	%100 %100
31	M32	X	0	0	0	%100 %100
32	M32	Z	Ö	0	Ö	%100
33	MP3A	X	8.423	8.423	0	%100 %100
34	MP3A	Z	4.863	4.863	Ö	%100 %100
35	MP1C	X	8.423	8.423	0	%100 %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 %100
40	MP4C	Z	4.863	4.863	0	%100 %100
41	MP3C	X	8.423	8.423	0	%100 %100
42	MP3C	Z	4.863	4.863	0	%100
43	MP1B	X	8.423	8.423	0	%100 %100



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

Me	ember Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft.9
44	MP1B	Z	4.863	4.863	0	%100 %100
45	MP2B	X	8.423	8.423	0	
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	Ž	5.887	5.887	0	%100
	M74	X	5.763	5.763	0	%100
63	M74	Z	3.327	3.327	0	%100
64	M75	X	5.763	5.763	0	%100
55	M75	Z	3.327	3.327	0	%100
66		X	5.763	5.763	0	%100
67	M78	Z	3.327	3.327	0	%100
68	M78	X	5.763	5.763	0	%100
69	M79	Z	3.327	3.327	0	%100
70	M79	X	23.052	23.052	0	%100
7.1	M82	Z	13.309	13.309	0	%100
72	M82	X	23.052	23.052	0	%100
73	M83	Ž	13.309	13.309	0	%100
74	M83	X	3.282	3.282	0	%100
75	M84	Z	1.895	1.895	Ö	%100
76	M84		13.129	13.129	0	%100
77	M85	X	7.58	7.58	0	%100
78	M85	Z	3.282	3.282	0	%100
79	M86		1.895	1.895	0	%100
80	M86	Z	13.053	13.053	0	%100
81	M87		7.536	7.536	Ö	%100
82	M87	Z	2.696	2.696	Ö	%100
83	M88	X	1.556	1.556	0	%100
84	M88	Z	2.696	2.696	0	%100
85	M89	X		1.556	0	%100
86	M89	Z	1.556	13.053	0	%100
87	M90	X	13.053	7.536	0	%100
88	M90	Z	7.536	9.519	0	%100
89	M91	X	9.519		0	%100
90	M91	Z	5.496	5.496	0	%100 %100
91	M92	X	9.519	9.519	0	%100
92	M92	Z	5.496	5.496	U	/0100

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,%]
4	CBC1	X	0	0	00	%100
1	The state of the s	7	0	0	0	%100
2	CBC1		7.070	7.678	0	%100
3	CBB1	X	7.678		0	%100
4	CBB1	Z	13.3	13.3	U	76100



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	Ö	%100
13	M10	X	8.731	8.731	0	%100 %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	Ŏ	%100
21	MP2A	X	4.863	4.863	0	%100
22	MP2A	Z	8.423	8.423	0	%100 %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 %100
28	M29A	Z	2.512	2.512	0	%100 %100
29	M30A	X	7.655	7.655	0	%100 %100
30	M30A	Z	13.258	13.258	0	%100 %100
31	M32	X	1.914	1.914	0	%100 %100
32	M32	Z	3.315	3.315	0	
33	MP3A	X	4.863	4.863	0	%100 %100
34	MP3A	Z	8.423	8.423	Ö	%100 %100
35	MP1C	X	4.863	4.863	0	%100 %100
36	MP1C	Z	8.423	8.423	0	<u>%100</u>
37	MP2C	X	4.863	4.863	0	%100
38	MP2C	Z	8.423	8.423	0	%100 %100
39	MP4C	X	4.863	4.863	0	%100 %100
40	MP4C	Z	8.423	8.423	0	%100 %100
41	MP3C	X	4.863	4.863		%100
42	MP3C	Z	8.423	8.423	0	%100
43	MP1B	X	4.863	4.863		%100
44	MP1B	Z	8.423	8.423	0	%100
45	MP2B	X	4.863	4.863	0	%100
46	MP2B	Z	8.423		0	%100
47	MP4B	X	4.863	8.423 4.863	0	%100
48	MP4B	Z	8.423		0	%100
49	MP3B	X	4.863	8.423	0	%100
50	MP3B	Ž	8.423	4.863	0	%100
51	M38A	X	1.45	8.423	0	%100
52	M38A	Ž	1.45	1.45	0	%100
53	M39A	X	2.512 5.802	2.512	0	%100
54	M39A	Z		5.802	0	%100
55	MPSO	X	10.049	10.049	0	%100
56	MPSO	Z	3.522	3.522	0	%100
57	M44		6.1	6.1	0	%100
58	M44	X	4.415	4.415	0	%100
59	M70A		7.647	7.647	0	%100
60		X	0	0	0	%100
61	M70A	Z	0	0	0	%100
O I	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	7	7.647	7.647	0	%100
63	M74	X	9,982	9.982	0	%100
64	M74	Z	17.289	17.289	0	%100
	M75	X	9.982	9.982	0	%100
65	M75	Z	17.289	17.289	0	%100
66	M78	X	0	0	0	%100
67	M78	Z	0	0	0	%100
68	M79	X	Ů Ö	0	0	%100
69	M79	Z	Ŏ	0	0	%100
70	M82	X	9.982	9.982	0	%100
71	M82	Z	17.289	17.289	0	%100
72		X	9.982	9.982	0	%100
73	M83	Z	17.289	17.289	0	%100
74	M83	X	0	0	0	%100
75	M84	Z	0	0	0	%100
76	M84		5.685	5.685	Ŏ	%100
77	M85	X	9.847	9.847	0	%100
78	M85	Z	5.685	5.685	0	%100
79	M86	X	9.847	9.847	Ŏ	%100
80	M86	Z		8.169	0	%100
81	M87	X	8.169	14.149	Ö	%100
82	M87	Z	14.149	2.189	0	%100
83	M88	X	2.189	3.792	0	%100
84	M88	Z	3.792	4.23	0	%100
85	M89	X	4.23		0	%100
86	M89	Z	7.326	7.326	0	%100 %100
87	M90	X	4.23	4.23	0	%100
88	M90	Z	7.326	7.326	0	%100 %100
89	M91	X	2.189	2.189		%100 %100
90	M91	Z	3.792	3.792	0	%100 %100
91	M92	X	8,169	8.169	0	%100
92	M92	Z	14.149	14.149	0	% IUU

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

	Member Label	Direction	Start Magnitudellb/ft	.End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
4		V	Otal (Mogrin out)	0	0	%100
1 +	CBC1	Z	5.119	5.119	0	%100
2	CBC1		0.113	0.110	0	%100
3	CBB1	X	5.119	5.119	0	%100
4	CBB1	Z	3.119	0.110	0	%100
5	CBA1	X	00.470	20.476	0	%100
6	CBA1	Z	20.476	20.476	0	%100
7	M7	X	0			%100 %100
8	M7	Z	5.119	5.119	0	
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
	M10	Z	13.096	13.096	0	%100
14		- X	0	0	0	%100
15	M23	Z	13.096	13.096	0	%100
16	M23	X	0	0	0	%100
17	M24	7	0	Ů,	0	%100
18	M24		0	0	0	%100
19	MP1A	X			0	%100
20	MP1A	Z	9.726	9.726	0	%100
21	MP2A	X	0	0.700	0	%100 %100
22	MP2A	Z	9.726	9.726		76100



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	Ů. O	%100
25	M28A	X	0	0	Ŏ	%100
26	M28A	Z	0	0	Ů Ö	%100
27	M29A	X	0	0	0	%100
28	M29A	Z	Ŏ	0	0	%100 %100
29	M30A	X	0	0	0	%100
30	M30A	Z	11.482	11.482	0	%100
31	M32	X	0		0	
32	M32	Ž	11.482	0 11.482		%100
33	MP3A	X			0	%100
34	MP3A	Ż	0 700	0 700	0	%100
35	MP1C		9.726	9.726	0	%100
36	MP1C	X	0	0	0	%100
		Z	9.726	9.726	0	%100
37	MP2C	<u>X</u>	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	0.720	0	%100 %100
50	MP3B	Z	9.726	9.726	0	%100 %100
51	M38A	X	0	0	0	%100 %100
52	M38A	Z	8.702	8.702	0	%100 %100
53	M39A	X	0.702	0	0	
54	M39A	Z	8.702	8.702	0	%100
55	MPSO	X	0.702			%100
56	MPSO	Z	7.043	7.042	0	%100
57	M44	X		7.043	0	%100
58	M44		0	0	0	%100
59	M70A	Z	11.774	11.774	0	%100
60		X	0	0	0	%100
	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	00	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	Ö	%100
73	M83	X	0.000	0.000	0	%100 %100
74	M83	Z	6.655	6.655	0	%100 %100
75	M84	X	0.055	0.000	0	
76	M84	Z	3.79	the state of the s		%100
77	M85	X		3.79	0	%100
78	M85	Z	0	0	0	%100
79			3.79	3.79	0	%100
13	M86	X	0	0	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%]
00		7	15.16	15.16	0	%100
80	M86		10.10	0	n	%100
81	M87	X		40.000		%100
82	M87	Z	10.992	10.992	0	
83	M88	X	0	0	0	%100
84	M88	7	10.992	10.992	0	%100
		Y	0	0	0	%100
85	M89	<u>^</u>	15.073	15,073	0	%100
86	M89		15.073	15.075	0	%100
87	M90	X		0		%100
88	M90	Z	3.113	3.113	0	
89	M91	X	0	0	0	%100
		7	3.113	3.113	0	%100
90	M91		0.110	0	0	%100
91	M92		45.070	15.073	0	%100
92	M92	Z	15.073	15.073	U	70100

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

	er Distributed Lo 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
	CBB1	X	0	0	0	%100
3	CBB1	Z	Ö	0	0	%100
4		X	-7.678	-7.678	0	%100
5	CBA1	Z	13.3	13.3	0	%100
6	CBA1	X	-7.678	-7.678	0	%100
7	M7	Ž	13.3	13.3	0	%100
8	M7	$\frac{2}{x}$	0	0	0	%100
9	M8		0	0	0	%100
10	M8	Z	-7.678	-7.678	0	%100
11	M9	X	13.3	13.3	ŏ	%100
12	M9	Z	-2.183	-2.183	Ö	%100
13	M10	X	3.78	3.78	0	%100
14	M10	Z		-8.731	0	%100
15	M23	X	-8.731	15.122	o o	%100
16	M23	Z	15.122	-2.183	0	%100
17	M24	X	-2.183	3.78	0	%100
18	M24	Z	3.78	-4.863	0	%100
19	MP1A	X	-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		%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	
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	7	8.423	8.423	0	%100
37	MP2C	X	-4.863	-4.863	0	%100
	MP2C	Z	8.423	8.423	0	%100
38	MP4C	<u> </u>	-4.863	-4.863	0	%100
39 40	MP4C	7	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	Ō	%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	Ö	%100
57	M44	X	-4.415	-4.415	Ö	%100
58	M44	Z	7.647	7.647	Ö	%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	Ö	%100
63	M74	X	-9.982	-9.982	0	%100
64	M74	Z	17.289	17.289	Ö	%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	Ö	%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	Ö	%100
77	M85	X	0	0	0	%100
78	M85	Z	0	Ö	0	%100 %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 %100
83	M88	X	-8.169	-8.169	0	%100 %100
84	M88	Z	14.149	14.149	Ö	%100 %100
85	M89	X	-8.169	-8.169	0	%100 %100
86	M89	Z	14.149	14.149	0	%100 %100
87	M90	X	-2.189	-2.189	0	%100 %100
88	M90	Z	3.792	3.792	0	%100 %100
89	M91	X	-4.23	-4.23	0	%100 %100
90	M91	Z	7.326	7.326	0	%100 %100
91	M92	X	-4.23	-4.23	0	%100 %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		End Magnitude(lb/ft,F.	Start Location[ft,%]	End Location[ft,%
2	CBC1	Z	10.238	10.238	0	%100 %100
3	CBB1	X	-4.433	-4.433	0	
4	CBB1	Z	2.559	2.559	0	%100
5	CBA1	X	-4.433	-4.433	0	%100
5	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
0	M8	Z	2.559	2.559	0	%100
1	M9	X	-4.433	-4.433	0	%100
2	M9	Z	2.559	2.559	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
	M23	X	-11.341	-11.341	0	%100
5	M23	Z	6.548	6.548	0	%100
6	M24	X	-11.341	-11.341	0	%100
7		Z	6.548	6.548	0	%100
8	M24	X	-8.423	-8.423	0	%100
9	MP1A	Z	4.863	4.863	0	%100
20	MP1A		-8.423	-8.423	0	%100
21	MP2A	Z	4.863	4.863	0	%100
22	MP2A		-8.423	-8.423	0	%100
23	MP4A	X	4.863	4.863	0	%100
24	MP4A	Z	-9.944	-9.944	Ö	%100
25	M28A	X	5.741	5.741	0	%100
26	M28A	Z		-7.536	Ö	%100
27	M29A	X	-7.536	4.351	Ö	%100
28	M29A	Z	4.351	4.551	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Z	0	-9.944	0	%100
31	M32	X	-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 %100
35	MP1C	X	-8.423	-8.423		%100 %100
36	MP1C	Z	4.863	4.863	0	%100
37	MP2C	X	-8.423	-8.423	0	%100 %100
38	MP2C	Z	4.863	4.863	0	
39	MP4C	X	-8.423	-8.423	0	%100
10	MP4C	Z	4.863	4.863	0	%100
11	MP3C	X	-8.423	-8.423	0	%100
12	MP3C	Z	4.863	4.863	0	%100
13	MP1B	X	-8.423	-8.423	0	%100
14	MP1B	Z	4.863	4.863	0	%100
15	MP2B	X	-8.423	-8.423	0	%100
	MP2B	Z	4.863	4.863	0	%100
16	MP4B	X	-8.423	-8.423	0	%100
47		Z	4.863	4.863	0	%100
48	MP4B	X	-8.423	-8.423	0	%100
49	MP3B	Z	4.863	4.863	0	%100
50	MP3B	X	-7.536	-7.536	.0	%100
51	M38A		4.351	4.351	0	%100
52	M38A	Z	0	0	0	%100
53	M39A	X	0	Ö	0	%100
54	M39A	Z		-6.1	0	%100
55	MPSO	X	-6.1	3.522	0	%100
56	MPSO	Z	3.522		0	%100
57	M44	X	-2.549	-2.549 1.472	0	%100
58	M44	Z	1.472	1.4/2	L U	70100

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

	lember 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	Ö	%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 %100
69	M79	X	-23.052	-23.052	0	%100 %100
70	M79	Z	13.309	13.309	0	%100 %100
71	M82	X	-5.763	-5.763	0	%100 %100
72	M82	Z	3.327	3.327	0	
73	M83	X	-5.763	-5.763		<u>%100</u>
74	M83	† - X	3.327	3.327	0	%100
75	M84	X	-13.129	-13.129		%100
76	M84	Z	7.58	7.58	0	%100
77	M85	X	-3.282	-3.282	0	%100
78	M85	Z	1.895		0	%100
79	M86	X	-3.282	1.895	0	%100
80	M86	Z	1.895	-3.282	0	%100
81	M87	X	-2.696	1.895	0	%100
82	M87	Z	1.556	-2.696	0	%100
83	M88	X		1.556	0	%100
84	M88	Z	-13.053	-13.053	0	%100
85	M89	X	7.536	7.536	0	%100
86	M89		-9.519	-9.519	0	%100
87	M90	Z	5.496	5.496	0	%100
88		Z	-9.519	-9.519	0	%100
89	M90		5.496	5.496	0	%100
	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	Ô	n	%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 %100
19	MP1A	X	-9.726	-9.726	0	%100



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

	er Distributed Lo Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F.,	. Start Location[ft,%]	End Location[ft,%
20	MP1A	Z	0	00	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
	M30A	X	-3.827	-3.827	0	%100
29	M30A	Z	0	0	0	%100
30	M32	X	-3.827	-3.827	0	%100
31		Z	0	0	0	%100
32	M32	X	-9.726	-9.726	0	%100
33	MP3A	Ž	0	0	0	%100
34	MP3A	X	-9.726	-9.726	0	%100
35	MP1C	Z	0	0	0	%100
36	MP1C		-9.726	-9.726	0	%100
37	MP2C	X	-9.720	0	0	%100
38	MP2C	Z	-9.726	-9.726	0	%100
39	MP4C	X		0	0	%100
40	MP4C	Z	0 700	-9.726	0	%100
41	MP3C	X	-9.726	-9.726	0	%100
42	MP3C	Z	0		0	%100
43	MP1B	X	-9.726	-9.726	0	%100
44	MP1B	Z	0	0	0	%100 %100
45	MP2B	X	-9.726	-9.726		%100
46	MP2B	Z	0	0	0	%100
47	MP4B	X	-9.726	-9.726	0	%100
48	MP4B	Z	0	0	0	
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
	M70A	Z	0	0	0	%100
60	M71A	X	-8.83	-8.83	0	%100
61		Z	0	0	0	%100
62	M71A	X	0	0	0	%100
63	M74	Ž	0	0	0	%100
64	M74	X	† - 0	0	0	%100
65	M75		0	0	0	%100
66	M75	Z	-19.964	-19.964	Ö	%100
67	M78	X	-19.904	0	Ö	%100
68	M78	Z	-19.964	-19.964	ŏ	%100
69	M79	X		0	o o	%100
70	M79	Z	0	-19.964	0	%100
71	M82	X	-19.964		0	%100
72	M82	Z	0	10.064	0	%100
73	M83	X	-19.964	-19.964		%100
74	M83	Z	0	0	0	%100
75	M84	X	-11.37	-11.37	0	%100 %100
76	M84	Z	0	0	0	70100

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	Ō	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	Ô	%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	Ů	Ŏ	%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	Ö	%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	Ö	%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	Ö	%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	Ŏ	%100
27	M29A	X	-7.536	-7.536	0	%100
28	M29A	Z	-4.351	-4.351	Ō	%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	Ö	%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	O O	%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
	MP3C	Z	-4.863	-4.863	0	%100
42		X	-8.423	-8.423	0	%100
43	MP1B	Z	-4.863	-4.863	0	%100
44	MP1B	X	-8.423	-8.423	0	%100
45	MP2B	Z	-4.863	-4.863	0	%100
46	MP2B		-8.423	-8.423	0	%100
47	MP4B	X	-4.863	-4.863	0	%100
48	MP4B	Z	-8.423	-8.423	o o	%100
49	MP3B	X		-4.863	0	%100
50	MP3B	Z	-4.863	0	0	%100
51	M38A	X	0	0	Ö	%100
52	M38A	Z	0	-7.536	0	%100
53	M39A	X	-7.536		0	%100
54	M39A	Z	-4.351	-4.351		%100
55	MPSO	X	-6.1	-6.1	0	%100
56	MPSO	Z	-3.522	-3.522		%100
57	M44	X	-2.549	-2.549	0	%100 %100
58	M44	Z	-1.472	-1.472	0	%100
59	M70A	X	-2.549	-2.549	0	
30	M70A	Z	-1.472	-1.472	0	%100
31	M71A	X	-10.196	-10.196	0	%100
52	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
	M75	Z	-3.327	-3.327	0	%100
66		X	-5.763	-5.763	0	%100
67	M78	Z	-3.327	-3.327	0	%100
68	M78	X	-5.763	-5.763	0	%100_
69	M79	Ž	-3.327	-3.327	0	%100
70	M79	X	-23.052	-23.052	0	%100
71	M82	Z	-13.309	-13.309	0	%100
72	M82		-23.052	-23.052	0	%100
73	M83	X		-13.309	0	%100
74	M83	Z	-13.309 -3.282	-3.282	0	%100
75	M84	X		-1.895	Ŏ	%100
76	M84	Z	-1.895	-13.129	0	%100
77	M85	X	-13.129	-7.58	0	%100
78	M85	Z	-7.58	-7.58	0	%100
79	M86	X	-3.282			%100
80	M86	Z	-1.895	-1.895	0	%100
81	M87	X	-13.053	-13.053		%100
82	M87	Z	-7.536	-7.536	0	%100
83	M88	X	-2.696	-2.696	0	%100 %100
84	M88	Z	-1.556	-1.556	0	
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
	M91	Z	-5.496	-5.496	0	%100
90		X	-9.519	-9.519	0	%100
91 92	M92 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	Ö	%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	Ö	%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	Ö	%100
25	M28A	X	-1.914	-1.914	0	%100
26	M28A	Z	-3.315	-3.315	Ŏ	%100
27	M29A	X	-1.45	-1.45	Ö	%100
28	M29A	Z	-2.512	-2.512	Ŏ	%100
29	M30A	X	-7.655	-7.655	Ŏ	%100 %100
30	M30A	Z	-13.258	-13.258	Ö	%100
31	M32	X	-1.914	-1.914	Ö	%100
32	M32	Z	-3.315	-3.315	0	%100
33	MP3A	X	-4.863	-4.863	Ō	%100
34	MP3A	Z	-8.423	-8.423	Ö	%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	Ö	%100
40	MP4C	Z	-8.423	-8.423	Ö	%100
41	MP3C	X	-4.863	-4.863	0	%100
42	MP3C	Z	-8.423	-8.423	Ö	%100 %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 %100
46	MP2B	Z	-8.423	-8.423	Ō	%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 %100
53	M39A	X	-5.802	-5.802	0	%100
54	M39A	Ž	-10.049	-10.049	0	%100
55	MPSO	X	-3.522	-3.522	0	%100 %100
56	MPSO	Z	-6.1	-6.1	0	%100 %100
57	M44	X	-4.415	-4.415	0	%100 %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
	M75	Z	-17.289	-17.289	0	%100
66	M78	X	0	0	0	%100
67	M78	Z	0	0	0	%100
68		X	Ö	0	0	%100
69	M79 M79	Z	0	0	0	%100
70		X	-9,982	-9.982	0	%100
71	M82	Z	-17.289	-17.289	0	%100
72	M82	X	-9.982	-9.982	0	%100
73	M83	Z	-17.289	-17.289	0	%100
74	M83	X	0	0	0	%100
75	M84	Ž	0	Ů,	0	%100
76	M84		-5.685	-5.685	Ö	%100
77	M85	X	-9.847	-9.847	0	%100
78	M85	Z	-5,685	-5.685	0	%100
79	M86	X	-9.847	-9.847	Ŏ	%100
80	M86	Z	-9.647 -8.169	-8.169	Ö	%100
81	<u>M87</u>	X		-14.149	Ŏ	%100
82	M87	Z	-14.149	-2.189	0	%100
83	M88	X	-2.189	-3.792	0	%100
84	M88	Z	-3.792	-3.792 -4.23	0	%100
85	M89	<u>X</u>	-4.23	1	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		%100
91	M92	X	-8.169	-8.169	0	%100 %100
92	M92	Z	-14,149	-14.149	0	70 100

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

	er Distributed Lo	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
4 1	Member Label CBC1	Y	0	0	0	%100
1		Z	-1.296	-1.296	0	%100
2	CBC1		1.200	0	Ô	%100
3	CBB1	<u>^</u> -	-1.296	-1.296	0	%100
4	CBB1	<u> </u>	-1.230	0	0	%100
5	CBA1	<u> </u>	-5.186	-5.186	0	%100
6	CBA1	Z	-5.100	-5.100	0	%100
7	M7	X	1 000	-1.296	Ŏ	%100
8	M7		-1.296	-1.290	0	%100
9	M8	X	0	4.000	0	%100
10	M8	Z	1.296	-1.296		%100
11	M9	X	0	0		
12	M9	Z	-5.186	-5.186	0	%100 %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	7	-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	Z	0	0	0	%100
20	MP1A		-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	00	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	Ö	%100
48	MP4B	Z	-3.319	-3.319	Ō	%100
49	MP3B	X	0	0	Ö	%100
50	MP3B	Z	-3.319	-3.319	Ŏ	%100
51	M38A	X	0	0	Ö	%100
52	M38A	Z	-2.266	-2.266	0	%100
53	M39A	X	0	0	ő	%100
54	M39A	Z	-2.266	-2.266	Ö	%100
55	MPSO	X	0	0	0	%100
56	MPSO	Z	-2.415	-2.415	Ö	%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 %100
61	M71A	X	0	0	Ŏ	%100 %100
62	M71A	Z	919	919	Ö	%100
63	M74	X	0	0	0	%100 %100
64	M74	Z	-5.576	-5.576	ő	%100
65	M75	X	0.0,0	0.070	0	%100
66	M75	Z	-5.576	-5.576	0	%100
67	M78	X	0.0.0	0	0	%100 %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 %100
71	M82	X	-1.394	-1.394	0	%100 %100
72	M82	Z	-1.394	-1.394		
73	M83	X	-1.394	-1.394	0	%100 %100
74	M83	Z	-1.394	-1.394	0	%100 %100
75	M84	X	-1.054	-1.394	0	%100

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

	er Distributed Ed	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
	Member Label	Direction	97	97	0	%100
76	M84	- Z	0	0	0	%100
77	M85	X		97	0	%100
78	M85	Z	97	97	0	%100
79	M86	X	0	2.00	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	
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	7	-4.085	-4.085	0	%100
-	M90	T X	0	0	0	%100
87		Z	844	844	0	%100
88	M90	X	0	0	0	%100
89	M91		844	844	0	%100
90	M91	Z	044	0	0	%100
91	M92	<u> </u>	1.005	-4.085	0	%100
92	M92	Z	-4.085	-4.000		70100

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

	er Distributed Lo Member Label	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
- 1	CBC1	X	1.945	1.945	0	%100
1		Z	-3.368	-3.368	0	%100
2	CBC1	X	0.000	0	0	%100
3	CBB1	Z	1 0	0	0	%100
4	CBB1	X	1.945	1.945	0	%100
5	CBA1	Z	-3.368	-3.368	0	%100
6	CBA1	X	1.945	1.945	0	%100
7	M7	Ž	-3.368	-3.368	0	%100
8	M7	X	0.300	0.000	Ō	%100
9	M8		0	0	0	%100
10	M8	Z	1.945	1.945	Ö	%100
11	M9		-3.368	-3.368	0	%100
12	M9	Z	.568	.568	0	%100
13	M10	X	984	984	0	%100
14	M10	Z	2.273	2.273	Ö	%100
15	M23	X	-3.937	-3.937	0	%100
16	M23	Z	.568	.568	Ö	%100
17	M24	X		984	Ö	%100
18	M24	Z	984 1.66	1.66	Ö	%100
19	MP1A	X		-2.875	Ŏ	%100
20	MP1A	Z	-2.875	1.66	0	%100
21	MP2A	X	1.66	-2.875	Ö	%100
22	MP2A	Z	-2.875	1.66	0	%100
23	MP4A	X	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 %100
28	M29A	Z	654	654	0	%100
29	M30A	X	.483	.483		%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 %100
34	мР3А	Z	-2.875	-2.875	0	
35	MP1C	X	1.66	1.66	0	%100 %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(Ib/ft	.End Magnitude[lb/ft,F.	Start Location[ft %]	End Location[ft,%]
37	MP2C	X	1.66	1.66	Start Location[it, 76]	%100
38	MP2C	Z	-2.875	-2.875	Ŏ	%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	Ŏ	%100
42	MP3C	Z	-2.875	-2.875	Ö	%100
43	MP1B	X	1.66	1.66	0	%100 %100
44	MP1B	Z	-2.875	-2.875	0	%100 %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 %100
49	MP3B	X	1.66	1.66	0	
50	MP3B	Z	-2.875	-2.875	0	%100
51	M38A	X	1.511	1.511		%100
52	M38A	Z	-2.617		0	%100
53	M39A	X	.378	-2.617	0	%100
54	M39A	Z	654	.378	0	%100
55	MPSO	X	1.207	654	0	%100
56	MPSO	Z	-2.091	1.207	0	%100
57	M44	X		-2.091	0	%100
58	M44	Ż	1.378	1.378	0	%100
59	M70A	X	-2.387	-2.387	0	%100
60	M70A		1.378	1.378	0	%100
61	M71A	Z X	-2.387	-2.387	0	%100
62	M71A		0	0	0	%100
63	M74	Z	0	0	0	%100
64	M74	X	2.091	2.091	0	%100
65	M75	Z	-3.622	-3.622	0	%100
		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
30	M86	Z	-2.52	-2.52	0	%100
31	M87	X	.593	.593	0	%100
32	M87	Z	-1.028	-1.028	0	%100
33	M88	X	2.214	2.214	0	%100
34	M88	Z	-3.835	-3.835	Ö	%100
35	M89	X	2.214	2.214	0	%100
36	M89	Z	-3.835	-3.835	0	%100
37	M90	X	.593	.593	0	%100
88	M90	Z	-1.028	-1.028	0	%100
39	M91	X	1.146	1.146	0	%100
90	M91	Z	-1.985	-1.985	0	%100 %100
91	M92	X	1.146	1.146	0	%100 %100
92	M92	Ž	-1.985	-1.985	0	%100 %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 %100
2	CBC1	Z	-2.593	-2.593	0	%100 %100
3	CBB1	X	1.123	1.123	0	%100
4	CBB1	Z	648	648	0	%100 %100
5	CBA1	X	1.123	1.123	0	%100 %100
6	CBA1	Z	648	648	0	
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 %100
10	M8	Z	648	648	0	
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 %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	мР3А	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 %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
JU	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	Ō	%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	Ö	%100
71	M82	X	1.207	1.207	0	%100
72	M82	Z	697	697	Ŏ	%100
73	M83	X	1.207	1.207	0	%100
74	M83	Z	697	697	Ŏ	%100
75	M84	X	3.36	3.36	Ö	%100
76	M84	Z	-1.94	-1.94	Ö	%100
77	M85	X	.84	.84	0	%100
78	M85	Z	485	485	Ŏ	%100
79	M86	X	.84	.84	0	%100
80	M86	Z	485	485	Ŏ	%100
81	M87	X	.731	.731	Ö	%100
82	M87	Z	422	422	Ö	%100
83	M88	X	3.537	3.537	Ö	%100
84	M88	Z	-2.042	-2.042	0	%100
85	M89	X	2.58	2.58	0	%100 %100
86	M89	Z	-1.489	-1.489	ŏ	%100
87	M90	X	2.58	2.58	0	%100 %100
88	M90	Z	-1.489	-1.489	0	%100 %100
89	M91	X	3.537	3.537	0	%100 %100
90	M91	Z	-2.042	-2.042	0	%100 %100
91	M92	X	.731	.731	0	%100 %100
92	M92	Z	422	422	0	%100 %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	Ō	%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	Ö	Ó	%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	Ö	%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	00	%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	00	%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
	MP4C	Z	0	0	0	%100
40	MP3C	X	3.319	3.319	0	%100
41	MP3C	Z	0	0	0	%100
42		X	3.319	3.319	0	%100
43	MP1B	Z	0.0.0	0	0	%100
44	MP1B	X	3.319	3.319	0	%100
45	MP2B	Z	0	0	0	%100
46	MP2B	X	3.319	3.319	0	%100
47	MP4B	Z	0	0	0	%100
48	MP4B	X	3.319	3.319	0	%100
49	MP3B	Z	0	0	0	%100
50	MP3B	X	.755	.755	0	%100
51	M38A	Z	0	0	0	%100
52	M38A		.755	.755	0	%100
53	M39A	Z	0	0	0	%100
54	M39A	- X	2.415	2.415	0	%100
55	MPSO	Z	0	0	0	%100
56	MPSO		1 0	0	0	%100
57	M44	X Z	0	0	0	%100
58	M44	X	2.756	2.756	0	%100
59	M70A		0	0	0	%100
60	M70A	Z	2.756	2.756	Ö	%100
61	M71A	X	0	0	0	%100
62	M71A	Z		0	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	0	0	0	%100
65	M75	X		0	0	%100
66	M75	Z	0	4.182	0	%100
67	M78	X	4.182	4.162	0	%100
68	M78	Z	0	4.182	0	%100
69	M79	X	4.182	0	0	%100
70	M79	Z	1 100	4.182	0	%100
71	M82	X	4.182		0	%100
72	M82	Z	0	4 192	0	%100 %100
73	M83	X	4.182	4.182	0	%100
74	M83	Z	0	0	0	%100
75	M84	X	2.91	2.91	U	70.100



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

,	Member Label	Direction	Start MagnitudeIlb/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	Õ	%100
78	M85	Z	0	0	Ŏ	%100
79	M86	X	0	Ŏ	0	%100 %100
80	M86	Z	0	0	0	%100
81	M87	X	2.293	2.293	0	%100 %100
82	M87	Z	0	0	0	%100 %100
83	M88	X	2.293	2.293	0	%100 %100
84	M88	Z	0	0	0	%100 %100
85	M89	X	1.187	1.187	0	%100 %100
86	M89	Z	0	0	0	%100
87	M90	X	4.428	4.428	0	%100 %100
88	M90	7	0	7.420	0	
89	M91	X	4.428	4.428	0	%100 %100
90	M91	7	0	0	0	<u>%100</u>
91	M92	<u> </u>	1.187	1,187	0	%100 %400
92	M92	Z	0	0	0	%100 %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 %1	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 %100
9	M8	X	4.491	4.491	0	%100 %100
10	M8	Z	2.593	2.593	0	%100 %100
11	M9	X	1.123	1.123	0	%100 %100
12	M9	Z	.648	.648	Ö	%100 %100
13	M10	X	2.953	2.953	0	%100 %100
14	M10	Z	1.705	1.705	0	%100 %100
15	M23	X	0	0	0	%100 %100
16	M23	Z	0	0	Ö	%100 %100
17	M24	X	2.953	2.953	0	%100 %100
18	M24	Z	1.705	1.705	Ŏ	%100 %100
19	MP1A	X	2.875	2.875	0	%100 %100
20	MP1A	Z	1.66	1.66	0	%100 %100
21	MP2A	X	2.875	2.875	Ö	%100 %100
22	MP2A	Z	1.66	1.66	0	%100
23	MP4A	X	2.875	2.875	0	%100 %100
24	MP4A	Z	1.66	1.66	0	%100 %100
25	M28A	X	2.509	2.509	0	%100 %100
26	M28A	Z	1.449	1.449	0	%100 %100
27	M29A	X	1.963	1.963	0	%100 %100
28	M29A	Z	1.133	1.133	0	%100 %100
29	M30A	X	2.509	2.509	0	
30	M30A	Z	1.449	1.449	0	%100 %100
31	M32	X	0	0	0	
32	M32	7	0	0	0	%100
33	MP3A	X	2.875	2.875		%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 %100



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

	Member Label	Direction		End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,% %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 %100
40	MP4C	Z	1.66	1.66	0	%100 %100
41	MP3C	X	2.875	2.875	0	%100 %100
42	MP3C	Z	1.66	1.66	0	
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
	M44	X	.796	.796	0	%100
57	M44	Z	.459	.459	0	%100
58	M70A	X	.796	.796	0	%100
59		Z	.459	.459	0	%100
60	M70A	X	3.183	3.183	0	%100
61	M71A	Z	1.837	1.837	0	%100
62	M71A	X	1.207	1.207	0	%100
63	M74		.697	.697	0	%100
64	M74	Z	1.207	1.207	Ō	%100
65	M75	X	.697	.697	0	%100
66	M75	Z	1.207	1.207	0	%100
67	M78	X	.697	.697	0	%100
68	M78	Z	1.207	1.207	Ő	%100
69	M79	X		.697	0	%100
70	M79	Z	.697	4.829	0	%100
71	M82	<u> </u>	4.829	2.788	0	%100
72	M82	Z	2.788	4.829	0	%100
73	M83	X	4.829	2.788	0	%100
74	M83	Z	2.788	.84	0	%100
75	M84	X	.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		%100 %100
79	M86	X	.84	.84	0	%100
80	M86	Z	.485	.485	0	%100
81	M87	X	3.537	3.537	0	
82	M87	Z	2.042	2.042	0	%100 %100
83	M88	X	.731	.731	0	
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	7	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	Ō	%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	Ō	%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	Ö	%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	ő	%100
20	MP1A	Z	2.875	2.875	Ŏ	%100
21	MP2A	X	1.66	1.66	0	%100 %100
22	MP2A	Z	2.875	2.875	Ŏ	%100
23	MP4A	X	1.66	1.66	0	%100 %100
24	MP4A	Z	2.875	2.875	Ö	%100
25	M28A	X	.483	.483	0	%100 %100
26	M28A	Z	.836	.836	Ö	%100 %100
27	M29A	X	.378	.378	0	%100
28	M29A	Z	.654	.654	Ö	%100 %100
29	M30A	X	1.931	1.931	0	%100 %100
30	M30A	Z	3.345	3.345	0	%100
31	M32	X	.483	.483	0	%100 %100
32	M32	Z	.836	.836	0	%100
33	MP3A	X	1.66	1.66	0	%100 %100
34	MP3A	Z	2.875	2.875	Ö	%100
35	MP1C	X	1.66	1.66	0	%100
36	MP1C	Z	2.875	2.875	Ö	%100
37	MP2C	X	1.66	1.66	0	%100
38	MP2C	Z	2.875	2.875	0	%100 %100
39	MP4C	X	1.66	1.66	0	%100
40	MP4C	Z	2.875	2.875	Ö	%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	Ö	%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	МР3В	Z	2.875	2.875	0	%100
51	M38A	X	.378	.378	0	%100 %100
52	M38A	Z	.654	.654	0	%100 %100
53	M39A	X	1.511	1.511	0	
54	M39A	Z	2.617	2.617	0	%100 %100
55	MPSO	X	1.207	1.207	0	%100 %100
56	MPSO	Z	2.091	2.091	0	%100 %100
	M44	X	2.001	2.031	U	70 100

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

	er Distributed Lo	Direction		End Magnitude[lb/ft,F		End Location[ft,%]
58	Member Label M44	Z	2.387	2.387	0	%100
	M70A	X	0	0	0	%100
59	M70A	Z	0	0	0	%100
60		X	1.378	1.378	0	%100
61	M71A	7	2.387	2.387	0	%100
62	M71A	X	2.091	2.091	0	%100
63	M74	Z	3.622	3.622	0	%100
64	M74	X	2.091	2.091	0	%100
65	M75	Z	3.622	3.622	0	%100
66	M75	X	0	0	0	%100
67	M78	Z	0	0	0	%100
68	M78	X	0	Ö	Ö	%100
69	M79	Z	0	0	0	%100
70	M79		2.091	2.091	0	%100
71	M82	Z	3.622	3.622	0	%100
72	M82		2.091	2.091	Ö	%100
73	M83	X	3.622	3.622	Ö	%100
74	M83	Z	0	0	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	1:455	1.455	0	%100
77	M85	X	2.52	2.52	0	%100
78	M85	Z		1,455	0	%100
79	M86	X	1.455	2.52	0	%100
80	M86	Z	2.52	2.214	0	%100
81	M87	X	2.214	3.835	0	%100
82	M87	Z	3.835		0	%100
83	M88	X	.593	.593	0	%100
84	M88	Z	1.028	1.028	0	%100 %100
85	M89	X	1.146	1.146		%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		
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		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
4	CBC1	X	0	0	0	%100
-	CBC1	7	1.296	1.296	0	%100
2		+ - <u>x</u>	0	0	0	%100
3	CBB1		1.296	1.296	0	%100
4	CBB1	X	1.230	0	0	%100
5	CBA1	Z	5.186	5.186	0	%100
6	CBA1	- 	5.100	0.100	0	%100
1	M7	7	1.296	1.296	0	%100
8	M7	- Z	1.230	0	0	%100
9	M8		1.296	1.296	0	%100
10	M8	Z	1.290	1.230	0	%100
11	M9	<u>X</u>	T 400	5.186	Ď	%100
12	M9	Z	5.186	5.100	0	%100
13	M10	<u> </u>	0 400	2.400	0	%100
14	M10	Z	3.409	3.409	0	%100
15	M23	X	0	0 400	0	%100 %100
16	M23	Z	3.409	3.409	0	%100
17	M24	X	0	0	U	%100 %100
18	M24	Z	0	0	0	76 100



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

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	Ō	%100 %100		
27	M29A	X	0	0	0	%100 %100		
28	M29A	Z	Ŏ	0	Ö	%100 %100		
29	M30A	X	0	0	Ŏ	%100 %100		
30	M30A	Z	2.897	2.897	0			
31	M32	X	0	2.097		%100		
32	M32	Z	2.897	2.897	0	%100		
33	MP3A	X	0		0	%100		
34	MP3A	Z	3.319	0	0	%100		
35	MP1C	X	THE REAL PROPERTY.	3.319	0	%100		
36	MP1C	Z	0	0	0	%100		
37	MP2C		3.319	3.319	0	%100		
38	MP2C	X	0	0	0	%100		
39	MP4C	Z	3.319	3.319	0	%100		
40		X	0	0	0	%100		
	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 %100		
59	M70A	X	0	0	0	%100 %100		
60	M70A	Z	.919	.919	0	%100 %100		
61	M71A	X	0	.919	0			
62	M71A	Z	.919	.919	0	%100		
63	M74	X				%100		
64	M74	Z	0 5.576	0	0	%100		
65	M75	X	5.576	5.576	0	%100		
66	M75		0	0	0	%100		
67	M78	Z	5.576	5.576	0	%100		
68		X	0	0	0	%100		
	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)

	CI Diotributou = s	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
=0	Member Label	7	.97	.97	0	%100
76	M84	- 	0	0	0	%100
77	<u> </u>	X	.97	.97	0	%100
78	M85			0	0	%100
79	M86	X	0		0	%100
80	M86	Z	3.88	3.88	0	%100
81	M87	X	0	0		%100 %100
82	M87	Z	2.979	2.979	0	
83	M88	X	0	0	0	%100
84	M88	Z	2.979	2.979	0	%100
85	M89	X	0	0	0	%100
	M89	7	4.085	4.085	0	%100
86	M90	X	0	0	0	%100
87		7	.844	.844	0	%100
88	M90	- -	0	0	0	%100
89	M91		.844	.844	0	%100
90	M91	Z	- Andrews	0	0	%100
91	M92	<u> </u>	0	4.085	0	%100
92	M92	Z	4.085	4.000	<u> </u>	70100

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

	er Distributed Lo Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
4	CBC1	X	-1.945	-1.945	0	%100
1	CBC1	Z	3.368	3.368	0	%100
2	CBB1	X	0	0	0	%100
3		Ž	0	0	0	%100
4	CBB1	X	-1.945	-1.945	0	%100
5	CBA1	Z	3.368	3.368	0	%100
6	CBA1	X	-1.945	-1.945	0	%100
7	M7		3.368	3.368	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	-1.945	-1.945	0	%100
11	M9	<u>X</u>	3.368	3.368	Ö	%100
12	M9	Z		568	Õ	%100
13	M10	X	568	.984	0	%100
14	M10	Z	.984	-2.273	0	%100
15	M23	X	-2.273	3.937	0	%100
16	M23	Z	3.937	568	0	%100
17	M24	X	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 %100
21	MP2A	X	-1.66	-1.66	And the second s	%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	
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
	MP3A	Z	2.875	2.875	0	%100
34	MP1C	X	-1.66	-1.66	0	%100
35 36	MP1C	Z	2.875	2.875	0	%100

07	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%
37	MP2C	Z	-1.66	-1.66	0	%100
38	MP2C		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	Ō	%100
56	MPSO	Z	2.091	2.091	Ö	%100
57	M44	X	-1.378	-1.378	Ö	%100
58	M44	Z	2.387	2.387	Ŏ	%100
59	M70A	X	-1.378	-1.378	Ŏ	%100
60	M70A	Z	2.387	2.387	Ö	%100
61	M71A	X	0	0	0	%100 %100
62	M71A	Z	0	0	0	%100 %100
63	M74	X	-2.091	-2.091	0	%100 %100
64	M74	Z	3.622	3.622	Ö	%100 %100
65	M75	X	-2.091	-2.091	ō	%100 %100
66	M75	Z	3.622	3.622	Ö	%100 %100
67	M78	X	-2.091	-2.091	0	%100 %100
68	M78	Z	3.622	3.622	Ö	%100 %100
69	M79	X	-2.091	-2.091	Ö	%100 %100
70	M79	Z	3.622	3.622	0	%100 %100
71	M82	X	0	0	0	%100 %100
72	M82	Z	Ö	Ö	0	%100 %100
73	M83	X	0	0	0	%100 %100
74	M83	Z	0	0	0	
75	M84	X	-1.455	-1.455	0	%100 %100
76	M84	Z	2.52	2.52	0	
77	M85	X	0	0	0	%100
78	M85	Z	0	0		%100
79	M86	X	-1.455		0	%100
80	M86	Z	2.52	-1.455	0	%100
81	M87	X	593	2.52	0	%100
82	M87	Z	1.028	593	0	%100
83	M88	X		1.028	0	%100
84	M88	Z	-2.214	-2.214	0	%100
35	M89	X	3.835	3.835	0	%100
86	M89		-2.214	-2.214	0	%100
87	M90	Z	3.835	3.835	0	%100
88	M90	X	593	593	0	%100
39	M91	Z	1.028	1.028	0	%100
90		X	-1.146	-1.146	0	%100
	M91	Z	1.985	1.985	0	%100
91 92	M92	X	-1.146	-1.146	0	%100
JZ	M92	Z	1.985	1.985	0	%100

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

	er Distributed Lo	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
	CBA1	Z	.648	.648	0	%100
6	M7	X	-4.491	-4.491	0	%100
7	M7	Z	2.593	2.593	0	%100
8	M8	X	-1.123	-1.123	0	%100
9		Z	.648	.648	0	%100
10	M8	X	-1.123	-1.123	0	%100
11	M9		.648	.648	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z		-2.953	0	%100
15	M23	<u>X</u>	-2.953	-Z.900	Ö	%100
16	M23	Z	1.705	1.705	0	%100
17	M24	X	-2.953	-2.953		%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	
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
	M28A	Z	1.449	1.449	0	%100
26		X	-1.963	-1.963	0	%100
27	M29A	Z	1.133	1.133	0	%100
28	M29A	X	0	0	0	%100
29	M30A	Z	0	0	0	%100
30	M30A		-2.509	-2.509	0	%100
31	M32	X	1.449	1.449	Ö	%100
32	M32	Z		-2.875	0	%100
33	MP3A	X	-2.875	1.66	0	%100
34	MP3A	Z	1.66	-2.875	0	%100
35	MP1C	X	-2.875		0	%100
36	MP1C	Z	1.66	1.66	0	%100
37	MP2C	X	-2.875	-2.875		%100
38	MP2C	Z	1.66	1.66	0	%100
39	MP4C	X	-2.875	-2.875	0	
40	MP4C	Z	1.66	1.66	0	%100
41	MP3C	X	-2.875	-2.875	0	%100
	MP3C	Z	1.66	1.66	0	%100
42	MP1B	X	-2.875	-2.875	0	%100
43	MP1B	Z	1.66	1.66	0	%100
	MP2B	X	-2.875	-2.875	0	%100
45		Z	1.66	1.66	0	%100
46	MP2B	X	-2.875	-2.875	0	%100
47	MP4B	Ž	1.66	1.66	0	%100
48	MP4B		-2.875	-2.875	0	%100
49	MP3B	X		1.66	Ö	%100
50	MP3B	Z	1.66	-1.963	0	%100
51	M38A	X	-1.963		0	%100
52	M38A	Z	1.133	1.133		%100
53	M39A	X	0	0	0	%100 %100
54	M39A	Z	0	0	0	
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)

M	ember Label	Direction	Start Magnitude(lb/ft	.End Magnitude[lb/ft,F.	Start Location(ft %1	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 %100
62	M71A	Z	.459	.459	0	%100
63	M74	X	-1.207	-1.207	0	%100 %100
64	M74	Z	.697	.697	0	%100 %100
65	M75	X	-1.207	-1.207	0	%100
66	M75	Z	.697	.697	0	%100 %100
67	M78	X	-4.829	-4.829	0	%100 %100
68	M78	Z	2.788	2.788	0	
69	M79	X	-4.829	-4.829	0	%100 %100
70	M79	Z	2.788	2.788	0	%100 %100
71	M82	X	-1.207	-1.207	0	
72	M82	Z	.697	.697	0	%100
73	M83	X	-1.207	-1.207	0	%100 %100
74	M83	Z	.697	.697	0	%100 %100
75	M84	X	-3.36	-3.36	0	%100
76	M84	Z	1.94	1.94	0	%100 %100
77	M85	X	84	84		%100
78	M85	7	.485	.485	0	%100
79	M86	X	84			%100
80	M86	7	.485	84 .485	0	%100
81	M87	X	731		0	%100
82	M87	Z	.422	731 .422	0	%100
83	M88	X	-3.537		0	%100
84	M88	Z	2.042	-3.537	0	%100
85	M89	X		2.042	0	%100
86	M89	Ž	-2.58	-2.58	0	%100
87	M90	X	1.489	1.489	0	%100
88	M90	Z	-2.58	-2.58	0	%100
89	M91	X	1.489	1.489	0	%100
90	M91		-3.537	-3.537	0	%100
91	M92	Z	2.042	2.042	0	%100
92	M92	X	731	731	0	%100
32	IVIJZ	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	Ö	%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 %100
9	M8	X	-3.889	-3.889	0	%100 %100
10	M8	Z	0	0.000	Ö	%100
11	M9	X	0	0	Ö	%100
12	M9	Z	0	0	0	%100
13	M10	X	-1.136	-1.136	0	%100
14	M10	Z	0	0	o o	%100
15	M23	X	-1.136	-1.136	0	%100
16	M23	Z	0	1.100	0	%100
17	M24	X	-4.546	-4.546	0	%100 %100
18	M24	Z	0	0	Ŏ	%100 %100

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

Me	ember Label	Direction		.End Magnitude[lb/ft,F.	. Start Location[ft.%]	End Location[ft.%
19	MP1A	X	-3,319	-3.319	0	%100 %100
20	MP1A	Z	0	0	0.	
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
	M28A	X	-3.863	-3.863	0	%100
25	M28A	Z	0	0	0	%100
26	M29A	X	-3.022	-3.022	0	%100
27		Z	0	0	0	%100
28	M29A	X	966	966	0	%100
29	M30A	Z	0	0	0	%100
30	M30A	X	966	966	0	%100
31	M32		900	0	0	%100
32	M32	Z	-3.319	-3.319	0	%100
33	MP3A	X		0	Ö	%100
34	MP3A	Z	0	-3.319	Ö	%100
35	MP1C	X	-3.319	-3.319	0	%100
36	MP1C	Z	0	-3.319	0	%100
37	MP2C	X	-3.319		0	%100
38	MP2C	Z	0	0	0	%100
39	MP4C	X	-3.319	-3.319		%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	-3.319	-3.319	0	%100
42	MP3C	Z	0	0	0	
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
	MP4B	Z	0	0	0	%100
48	MP3B	X	-3.319	-3.319	0	%100
49		Z	0	0	0	%100
50	MP3B	X	755	755	0	%100
51	M38A	Z	0	0	0	%100
52	M38A	X	755	755	0	%100
53	M39A	Z	0	0	0	%100
54	M39A		-2.415	-2.415	Ō	%100
55	MPSO	X	0	0	0	%100
56	MPSO	Z	0	0	0	%100
57	M44	X		0	0	%100
58	M44	Z	0 756	-2.756	0	%100
59	M70A	X	-2.756		0	%100
60	M70A	Z	0	0 756	0	%100 %100
61	M71A	X	-2.756	-2.756	0	%100
62	M71A	Z	0	0		%100 %100
63	M74	X	0		0	%100
64	M74	Z	0	0	0	%100 %100
65	M75	X	0	0	0	
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
	M79	Z	0	0	0	%100
70	M82	X	-4.182	-4.182	0	%100
71		Z	0	0	0	%100
72	M82	X	-4.182	-4.182	0	%100
73	M83	Z	0	0	0	%100
74	M83	X	-2.91	-2.91	0	%100
75	M84				-VZW MT LO H.r.	3d] Page 13



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	Ō	%100
79	M86	X	0	0	0	%100 %100
80	M86	Z	0	0	0	%100
81	M87	X	-2.293	-2.293	0	%100
82	M87	Z	0	0	0	%100 %100
83	M88	X	-2.293	-2.293	0	%100
84	M88	Z	0	0	0	%100 %100
85	M89	X	-1.187	-1.187	0	%100 %100
86	M89	Z	0	0	0	%100 %100
87	M90	X	-4.428	-4.428	0	%100 %100
88	M90	Z	0	0	0	%100 %100
89	M91	X	-4.428	-4.428	0	
90	M91	Z	0	1,420	0	%100 %100
91	M92	X	-1.187	-1.187	0	%100 %100
92	M92	Z	0	0	0	%100 %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 %100
6	CBA1	Z	648	648	0	%100
7	M7	X	-1.123	-1.123	0	%100
8	M7	Z	648	648	Ö	%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	Ö	%100
13	M10	X	-2.953	-2.953	Ö	%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	Ö	%100
18	M24	Z	-1.705	-1.705	Ō	%100
19	MP1A	X	-2.875	-2.875	0	%100 %100
20	MP1A	Z	-1.66	-1.66	0	%100
21	MP2A	X	-2.875	-2.875	Ō	%100
22	MP2A	Z	-1.66	-1.66	Ö	%100
23	MP4A	X	-2.875	-2.875	Ö	%100 %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	ŏ	%100
27	M29A	X	-1.963	-1.963	0	%100 %100
28	M29A	Z	-1.133	-1.133	Ö	%100
29	M30A	X	-2.509	-2.509	0	%100
30	M30A	Z	-1.449	-1.449	ő	%100
31	M32	X	0	0	0	%100 %100
32	M32	Z	0	0	0	%100 %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		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
	MP1B	X	-2.875	-2.875	0	%100
43	MP1B	Z	-1.66	-1.66	0	%100
44		X	-2.875	-2.875	0	%100
45	MP2B	Z	-1.66	-1.66	0	%100
46	MP2B	X	-2.875	-2.875	0	%100
47	MP4B	Z	-1.66	-1.66	0	%100
48	MP4B	X	-2.875	-2.875	0	%100
49	MP3B		-1.66	-1.66	0	%100
50	MP3B	Z		0	0	%100
51	M38A	X	0	0	0	%100
52	M38A	Z	0	-1.963	0	%100
53	M39A	X	-1.963		0	%100
54	M39A	Z	-1.133	-1.133	0	%100
55	MPSO	X	-2.091	-2.091		%100
56	MPSO	Z	-1.207	-1.207		%100
57	M44	X	796	796	0	%100 %100
58	M44	Z	459	459	0	
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
	M78	X	-1.207	-1.207	0	%100
67	M78	Z	697	697	0	%100
68	M79	X	-1.207	-1.207	0	%100
69	M79	Z	697	697	0	%100
70		X	-4.829	-4.829	0	%100
71	M82	Z	-2.788	-2.788	0	%100
72	M82	X	-4.829	-4.829	0	%100
73	M83	Z	-2.788	-2.788	0	%100
74	M83		84	84	0	%100
75	M84	X	485	485	Ö	%100
76	M84	Z	-3.36	-3.36	0	%100
77	M85	X		-1.94	Ö	%100
78	M85	Z	-1.94		Ŏ	%100
79	M86	X	84	84	0	%100
80	M86	Z	485	485		%100
81	M87	X	-3.537	-3.537	0	%100
82	M87	Z	-2.042	-2.042	0	%100 %100
83	M88	X	731	731	0	
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
	M91	Z	-1.489	-1.489	0	%100
90	M92	X	-2.58	-2.58	0	%100
91 92	M92	Z	-1.489	-1.489	0	%100



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

	Member Label	Direction	Start MagnitudeIIb/ft	.End Magnitude[lb/ft,F,	Start Location (# 9/1	Fad Landbartt 0/1
1	CBC1	X	0	O Nagnitude(Io/it,F.		End Location[ft,%]
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		0	%100
6	CBA1	Ž	-3.368	-1.945	0	%100
7	M7	X		-3.368	0	%100
8	M7	Ž	0	0	0	%100
9	M8	X		0	0	%100
10	M8	Z	-1.945	-1.945	0	%100
11	M9		-3.368	-3.368	0	%100
12	M9	+ - X	-1.945	-1.945	0	%100
13	M10	Z	-3.368	-3.368	0	%100
14		X	-2.273	-2.273	0	%100
15	M10	Z	-3.937	-3.937	0	%100
	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	ő	%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 %100
	MPSO	Z	-2.091	-2.091	0	%100
56						



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

	Member Label	Direction		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
	M79	X	0	0	0	%100
69	M79	Z	0	0	0	%100
70	M82	X	-2.091	-2.091	0	%100
71		Z	-3.622	-3.622	0	%100
72	M82	X	-2.091	-2.091	0	%100
73	M83	Z	-3.622	-3.622	0	%100
74	M83	X	0	0.022	0	%100
75	M84	Ž	0	0	0	%100
76	M84		-1.455	-1.455	0	%100
77	M85	X	-2.52	-2.52	0	%100
78	M85	Z	-1,455	-1.455	0	%100
79	M86	X	-1.455	-2.52	0	%100
80	M86	Z		-2.214	0	%100
81	M87	X	-2.214	-3.835	0	%100
82	M87	Z	-3.835		0	%100
83	M88	X	593	593	0	%100
84	M88	Z	-1.028	-1.028	0	%100 %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		%100 %100
88	M90	Z	-1.985	-1.985	0	%100
89	M91	X	593	593	0	And the second s
90	M91	Z	-1.028	-1.028	0	%100 %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		End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
4	CBC1	X	0	0	0	%100
1		Z	32	32	0	%100
2	CBC1	X	0	0	0	%100
3	CBB1	7	32	32	0	%100
4	CBB1		52	0	0	%100
5	CBA1	X	1 20	-1.28	0	%100
6	CBA1		-1.28	1,20	ñ	%100
7	M7	X	22	32	0	%100
8	M7	Z	32	32	0	%100
9	M8	X	0		0	%100
10	M8	Z	32	32	0	%100
11	M9	X	0			%100
12	M9	Z	-1.28	-1.28	0	%100 %100
13	M10	X	0	0	U	
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	00	%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	Ö	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	608	608	0	%100
25	M28A	X	0	0	0	%100 %100
26	M28A	Z	0	0	0	%100
27	M29A	X	0	0	0	
28	M29A	Ž	0	0	0	%100
29	M30A	X	0	0	0	%100
30	M30A	Ž	718			%100
31	M32	X		718	0	%100
32	M32	Z	710	0	0	%100
33	MP3A		718	718	0	%100
34	MP3A	X	0	0	0	%100
35		Z	608	608	0	%100
	MP1C	X	0	0	0	%100
36	MP1C	Z	608	608	0	%100
37	MP2C	X		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
14	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 %100
54	M39A	Z	544	544	Ö	%100 %100
55	MPSO	X	0	0	0	%100 %100
56	MPSO	Z	44	44	0	%100 %100
57	M44	X	0	0	0	
58	M44	Z	736	736	0	%100 %100
59	M70A	X	0	730	0	
60	M70A	Z	184		0	%100
31	M71A	X	0	184		%100
32	M71A	Z	184	0	0	%100
63	M74			184	0	%100
64	M74	X	0	0'	0	%100
35	M75	Z	-1.664	-1.664	0	%100
		X	0	0	0	%100
66	M75	Z	-1.664	-1.664	0	%100
57	M78	X	0	0	0	%100
88	M78	Z	416	416	0	%100
9	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,%]
70	Member Label	7	237	237	0	%100
76	M84	X	0	0	0	%100
77	M85	7	237	237	0	%100
78	M85		251	0	0	%100
79	M86	X	047	947	0	%100
80	M86	Z	947	941	0	%100
81	M87	X	0	0	0	%100
82	M87	Z	687	687		%100
83	M88	X	0	U	0	
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
	M90	7	195	195	0	%100
88		X	0	0	0	%100
89	M91	7	195	-,195	0	%100
90	M91		130	0	0	%100
91	M92	X	942	942	0	%100
92	M92	Z	542	072		

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

	er Distributed Lo 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
	CBB1	Z	0	0	0	%100
4	CBA1	X	.48	.48	0	%100
5	CBA1	Z	831	831	0	%100
6	M7	X	.48	.48	0	%100
7	M7	Ž	831	831	0	%100
8	M8	X	0	0	0	%100
9	M8	Z	0	0	0	%100
10	M9	X	.48	.48	0	%100
11	M9	Z	831	831	0	%100
12		X	.136	.136	0	%100
13	M10	Z	236	236	0	%100
14	M10	X	.546	.546	0	%100
15	M23	Z	945	945	0	%100
16	M23	X	.136	.136	0	%100
17	M24	Z	236	236	0	%100
18	M24	X	.304	.304	0	%100
19	MP1A	Ž	526	526	0	%100
20	MP1A		.304	.304	Ō	%100
21	MP2A	X	526	526	0	%100
22	MP2A	Z	.304	.304	0	%100
23	MP4A		526	526	Ö	%100
24	MP4A	Z	.12	.12	0	%100
25	M28A	X	207	207	Ö	%100
26	M28A	Z	.091	.091	0	%100
27	M29A	X		157	0	%100
28	M29A	Z	157 .12	.12	0	%100
29	M30A	<u>x</u>		207	ő	%100
30	M30A	Z	207	.478	0	%100
31	M32	X	.478		0	%100
32	M32	Z	829	829	0	%100
33	MP3A	X	.304	.304		%100
34	MP3A	Z	526	526	0	%100
35	MP1C	X	.304	.304		%100
36	MP1C	Z	526	526	0	76100



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 %100
44	MP1B	Z	526	526	0	%100 %100
45	MP2B	X	.304	.304	0	%100 %100
46	MP2B	Z	526	526	0	%100 %100
47	MP4B	X	.304	.304	0	%100 %100
48	MP4B	Z	526	526	0	
49	MP3B	X	.304	.304		%100
50	MP3B	Z	526	526	0	%100
51	M38A	X	.363			%100
52	M38A	Z	628	.363	0 -	%100
53	M39A	X		628	0	%100
54	M39A		.091	.091	0	%100
55	MPSO	Z	157	157	0	%100
56	MPSO	Z	.22	.22	0	%100
57	M44		381	381	0	%100
58	M44	Z	.276	.276	0	%100
59			478	478	0	%100
60	M70A	X	.276	.276	0	%100
	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	Ö	%100
81	M87	X	.137	.137	0	%100
82	M87	Z	237	237	0	%100
83	M88	X	.511	.511	0	%100 %100
84	M88	Z	884	884	0	%100
85	M89	X	.511	.511	0	%100
86	M89	Z	884	884	0	%100 %100
87	M90	X	.137	.137		
38	M90	Z	237	237	0	%100
89	M91	X	.264	.264		%100
90	M91	ż			0	%100
91	M92	X	- <u>.458</u> .264	458	0	%100
U I	M92	Ž	.204	.264	0	%100

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

221	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.,	Start Location[it,%]	End Location[ft.% %100
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		0	%100
5	CBA1	X	.277	.277	0	%100
6	CBA1	Z	16	1.108	0	%100
7	M7	X	1.108		0	%100
3	M7	Z	64	64	0	%100
9	M8	X	.277	.277	0	%100
0	M8	Z	16	16	0	%100 %100
1	M9	X	.277	.277	0	%100
2	M9	Z	16	16	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0		0	%100
5	M23	X	.709	.709	0	%100
6	M23	Z	409	409	0	%100
7	M24	X	.709	.709	0	%100
8	M24	Z	409	409	0	%100
9	MP1A	X	.526	,526	0	%100
20	MP1A	Z	304	304 .526	0	%100
21	MP2A	X	.526		0	%100
22	MP2A	Z	304	304	0	%100
23	MP4A	X	.526	.526	0	%100 %100
24	MP4A	Z	304	304	0	%100
25	M28A	X	.621	.621	Ö	%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 %100
31	M32	X	.621	.621	0	%100
32	M32	Z	359	359	0	%100
33	MP3A	X	.526	.526	Ö	%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
11	MP3C	X	.526	.526	0	%100
12	MP3C	Z	304	304	0	%100
13	MP1B	X	.526	.526	0	%100 %100
14	MP1B	Z	304	304	0	%100
45	MP2B	X	.526	.526	0	%100 %100
46	MP2B	Z	304	304	0	%100 %100
47	MP4B	X	.526	.526		%100 %100
48	MP4B	Z	304	304	0	%100
49	MP3B	X	.526	.526		%100 %100
50	MP3B	Z	304	304	0	%100 %100
51	M38A	X	.471	.471		%100 %100
52	M38A	Z	272	272	0	%100 %100
53	M39A	X	00		0	%100 %100
54	M39A	Z	0	0	0	
55	MPSO	X	.381	.381	0	%100 %100
56	MPSO	Z	22	22	0	%100 %100
57	M44	X	.159	.159	0	76100



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	Ō	%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	Ŏ	%100 %100
67	M78	X	1.441	1.441	0	%100 %100
68	M78	Z	832	832	0	%100
69	M79	X	1.441	1,441	0	%100 %100
70	M79	Z	832	832	0	%100 %100
71	M82	X	.36	.36	0	%100 %100
72	M82	Z	208	208	0	%100 %100
73	M83	X	.36	.36	0	%100
74	M83	Z	208	- 208	0	%100 %100
75	M84	X	.821	.821	0	%100
76	M84	Z	474	474	0	%100 %100
77	M85	X	.205	.205	0	%100 %100
78	M85	Z	118	118	0	%100 %100
79	M86	X	.205	.205	0	%100 %100
80	M86	Z	118	118	0	%100 %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	
85	M89	X	.595	.595	0	%100 %100
86	M89	Z	343	343	0	
87	M90	X	.595	.595	0	%100 %400
88	M90	7	343	343		%100
89	M91	X	.816	.816	0	%100
90	M91	Z	471	471		%100
91	M92	X	.168	.168	0	%100
92	M92	Z	097	097	0	%100 %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 %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	Ö	%100 %100
10	M8	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	Ŏ	0	%100 %100
13	M10	X	.273	.273	0	%100 %100
14	M10	Z	0	0	Ö	%100
15	M23	X	.273	.273	Ö	%100
16	M23	Z	0	0	Ŏ	%100
17	M24	X	1.091	1.091	0	%100
18	M24	Z	0	0	Ö	%100

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

	Member Label		Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.% %100
19	MP1A	X	,608	.608	0	%100
20	MP1A	Z	0	0	0	%100 %100
21	MP2A	X	.608	.608	0	%100 %100
2	MP2A	Z	0	0	0	%100 %100
3	MP4A	X	.608	.608	0	
24	MP4A	Z	0	0	0	%100
25	M28A	X	.957	.957	0	%100
26	M28A	Z	0	0	0	%100
7	M29A	X	.725	.725	0	%100
8	M29A	Z	0	0	0	%100
9	M30A	X	.239	.239	0	%100
80	M30A	Z	0	0	0	%100
31	M32	X	.239	.239	0	%100
2	M32	Z	0	0	0	%100
3	MP3A	X	.608	.608	0	%100
34	MP3A	Z	0	0	0	%100
5	MP1C	X	.608	.608	0	%100
66	MP1C	Z	0	0	0	%100
56 57	MP2C	X	.608	.608	0	%100
88	MP2C	Z	0	0	0	%100
	MP4C	X	.608	.608	0	%100
19	MP4C	Z	0	0	0	%100
0	MP3C	X	.608	.608	0	%100
11	MP3C	Z	0	0	0	%100
2		X	.608	.608	0	%100
13	MP1B	Z	0	0	0	%100
4	MP1B	X	.608	.608	0	%100
15	MP2B	Z	0	0	0	%100
16	MP2B	X	.608	.608	0	%100
7	MP4B	Z	0	0	0	%100
18	MP4B	X	.608	.608	0	%100
19	MP3B	Z	0	0	0	%100
50	MP3B	X	.181	.181	0	%100
51	M38A		0	0	0	%100
52	M38A	Z	.181	.181	0	%100
53	IVIOUT	X	0	0	0	%100
54	M39A	Z	.44	.44	0	%100
55	MPSO	X	0	0	0	%100
56	MPSO	Z	0	Ö	0	%100
57	M44	X	0	Ö	Ŏ	%100
58	M44	Z	.552	.552	Ö	%100
59	M70A	X	.552	0	0	%100
60	M70A	Z		.552	0	%100
31	M71A	X	.552	.552	0	%100
52	M71A	Z	0	0	0	%100
33	M74	X	0	0	0	%100
64	M74	Z	0	0	0	%100
35	M75	X	0	0	0	%100
66	M75	Z	0		0	%100
67	M78	X	1.248	1.248	0	%100
38	M78	Z	0	0	0	%100
69	M79	X	1.248	1.248		%100
70	M79	Z	0	0	0	%100 %100
71	M82	X	1.248	1.248	0	%100
72	M82	Z	0	0	0	
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	<u>M</u> 85	X	.711	.711	0	%100
78	M85	Z	0	0	0	%100
79	M86	X	0	0	Ô	%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	Õ	%100
84	M88	Z	0	0	Ŏ	%100
85	M89	X	.274	.274	Ŏ	%100
86	M89	Z	0	0	Ö	%100
87	M90	X	1.021	1.021	- Ö	%100
88	M90	Z	0	0	ŏ	%100
89	M91	X	1.021	1.021	Ö	%100
90	M91	Z	0	0	Ŏ	%100 %100
91	M92	X	.274	.274	ŏ	%100 %100
92	M92	Z	0	0	0	%100 %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	Ö	%100
17	M24	X	.709	.709	0	%100
18	M24	Z	.409	.409	0	%100
19	MP1A	X	.526	.526	0	%100 %100
20	MP1A	Z	.304	.304	0	%100 %100
21	MP2A	X	.526	.526	Ö	%100
22	MP2A	Z	.304	.304	Ö	%100
23	MP4A	X	.526	.526	Ö	%100 %100
24	MP4A	Z	.304	.304	0	%100 %100
25	M28A	X	.621	.621	0	%100 %100
26	M28A	Z	.359	.359	ő	%100
27	M29A	X	.471	.471	Ö	%100
28	M29A	Z	.272	.272	0	%100 %100
29	M30A	X	.621	.621	0	%100 %100
30	M30A	Z	.359	.359	ŏ	%100 %100
31	M32	X	0	0	0	%100
32	M32	Z	0	0	0	%100 %100
33	MP3A	X	.526	.526	0	%100 %100
34	MP3A	Z	.304	.304	0	%100
35	MP1C	X	.526	.526	0	%100 %100
36	MP1C	7	.304	.304	0	%100 %100

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

	Member Label	Direction		End Magnitude[lb/ft,F.,	. Start Location[ft,%]	End Location[ft,%] %100
37	MP2C	X	.526	.526	0	%100 %100
38	MP2C	Z	.304	.304	0	%100
39	MP4C	X	.526	.526		%100 %100
40	MP4C	Z	.304	.304	0	%100 %100
41	MP3C	X	.526	.526	0	%100 %100
42	MP3C	Z	.304	.304	0	%100 %100
43	MP1B	X	.526	.526	0	%100 %100
44	MP1B	Z	.304	.304		%100
45	MP2B	X	.526	.526	0	%100 %100
46	MP2B	Z	.304	.304	0	%100
47	MP4B	X	.526	.526	0	%100 %100
48	MP4B	Z	.304	.304	0	%100 %100
49	MP3B	X	.526	.526		%100 %100
50	MP3B	Z	.304	.304	0	%100
51	M38A	X		0	0	%100 %100
52	M38A	Z	0	0		%100 %100
53	M39A	X	.471	.471	0	%100 %100
54	M39A	Z	.272	.272	0	%100 %100
55	MPSO	X	.381	.381		%100
56	MPSO	Z	.22	.22	0	%100
57	M44	Χ	.159	.159		%100 %100
58	M44	Z	.092	.092	0	%100
59	M70A	X	.159	.159	0	%100 %100
60	M70A	Z	.092	.092		%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 %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 %100
78	M85	Z	.474	.474		%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 %100
88	M90	Z	.471	.471		%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	U	/6100



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	Ö	Ö	%100
9	M8	X	.48	.48	0	%100
10	M8	Z	.831	.831	0	%100 %100
11	M9	X	.48	.48	0	%100
12	M9	Ž	.831	.831	Ö	
13	M10	X	.546	.546		%100
14	M10	Z	.945		0	%100
15	M23	X		.945	0	%100
16	M23	Z	.136	.136	0	%100
17	M24	X	.236	.236	0	%100
18			.136	.136	0	%100
19	<u>M24</u> MP1A	Z	.236	.236	0	%100
20		X	.304	.304	0	%100
	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 %100
12	MP3C	Z	.526	.526	0	%100 %100
13	MP1B	X	.304	.304		%100 %100
14	MP1B	Z	.526		0	
15	MP2B	X		.526		%100
16	MP2B	Ž	.304	.304	0	%100
17	MP4B			.526	0	%100
18	MP4B	X Z	.304	.304	0	%100
19	MP3B		.526	.526	0	%100
		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
	M74	Z	1.081	1.081	0	%100
64	M75	X	.624	.624	0	%100
65	M75	Z	1.081	1.081	0	%100
66		X	0	0	0	%100
67	M78	Z	0	0	0	%100
68	M78	+ X	0	0	0	%100
69	M79	Z	0	0	0	%100
70	M79	X	.624	.624	0	%100
71	M82	Z	1.081	1.081	0	%100
72	M82	- Z X	.624	.624	0	%100
73	M83	Ž	1.081	1.081	0	%100
74	M83		0	0	Ū Ö	%100
75	M84	X	0	0	0	%100
76	M84	Z	.355	.355	0	%100
77	M85	X		.615	0	%100
78	M85	Z	.615	.355	0	%100
79	M86	X	.355	.615	0	%100
80	M86	Z	.615	.511	0	%100
81	M87	X	.511		0	%100
82	M87	Z	.884	.884	0	%100
83	M88	X	.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		%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 %100
92	M92	Z	.884	.884	0	%100

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

	er Distributed Lo	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
2	Member Label	X	0	0	0	%100
7	CBC1	Z	.32	.32	0	%100
2	CBC1	+ - -	0	0	0	%100
3	CBB1	<u>-</u>	.32	.32	0	%100
4	CBB1			0	0	%100
5	CBA1	<u> </u>	0	1.28	0	%100
6	CBA1	Z	1.28	1.20	0	%100
7	M7	X	+	20	0	%100
8	M7	Z	.32	.32	0	%100
9	M8	X	00	0	0	%100 %100
10	M8	Z	.32	.32	<u>0</u>	
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	7	.818	.818	0	%100
	M23	X	0	0	0	%100
15		7	.818	.818	0	%100
16	M23	X	0	0	0	%100
17	M24	7	0	0	0	%100
18	M24		1 0			

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

40	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	Ö	%100
31	M32	X	0	0	0	%100 %100
32	M32	Z	.718	.718	0	%100
33	MP3A	X	0	0	0	
34	MP3A	Z	.608	.608	0	%100
35	MP1C	X	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	%100
40	MP4C	Z	0	0	0	%100
41	MP3C		.608	.608	0	%100
42	MP3C	X	0	0	0	%100
43	MP1B	Z	.608	.608	00	%100
44		X	0	0	0	%100
45	MP1B	Z	.608	.608	0	%100
	MP2B	<u>X</u>	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 %100
59	M70A	X	0	0	0	%100 %100
60	M70A	Z	.184	.184	0	%100 %100
31	M71A	X	0	0	0	0/ 100
62	M71A	Z	.184	.184	0	%100
53	M74	X	0	0	0	%100
34	M74	Z	1.664	1.664	0	%100
35	M75	X	0	177,222,217	0	%100
36	M75	Ž	1.664	0	0	%100
67	M78	X		1.664	0	%100
88	M78	Z	0	0	0	%100
59	M79		.416	.416	0	%100
0		X	0	0	0	%100
	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)

	er Distributed Le	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	Member Label	Direction	.237	.237	0	%100
76	M84	- Z	0	0	0	%100
77	M85	X	.237	.237	0	%100
78	M85	Z		0	0	%100
79	M86	X	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	
84	M88	Z	.687	.687	0	%100
85	M89	X	0	0	0	%100
86	M89	7	.942	.942	0	%100
	M90	X	0	0	0	%100
87		7	.195	.195	0	%100
88	M90	+ 	0	0	0	%100
89	M91		.195	.195	0	%100
90	M91		193	0	o o	%100
91	M92	<u>X</u>	042	.942	0	%100
92	M92	Z	.942	.942	0	70100

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

	er Distributed Lo	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.	. Start Location[ft,%]	End Location[ft,%]
4 1	Member Label CBC1	X	48	48	0	%100
1		Z	.831	.831	0	%100
2	CBC1 CBB1	X	0	0	0	%100
3		Z	0	0	0	%100
4	CBB1	X	48	48	0	%100
5	CBA1	Z	.831	.831	0	%100
6	CBA1	X	48	48	0	%100
7	M7	Z	.831	.831	0	%100
8	M7	X	0	0	0	%100
9	M8	Ž	0	0	Ö	%100
10	M8	X	-,48	48	0	%100
11	M9		.831	.831	0	%100
12	M9	Z	136	136	Ö	%100
13	M10		.236	.236	Ō	%100
14	M10	Z	546	546	Ö	%100
15	M23		.945	.945	Ō	%100
16	M23	Z	136	136	Ö	%100
17	M24	X	.236	.236	Ŏ	%100
18	M24	Z	304	304	Ö	%100
19	MP1A	X	.526	.526	ŏ	%100
20	MP1A	Z	304	304	Ŏ	%100
21	MP2A	X		.526	Ö	%100
22	MP2A	Z	.526	304	0	%100
23	MP4A	X	304	.526	Ŏ	%100
24	MP4A	<u>Z</u>	.526	12	Ŏ	%100
25	M28A	X	12	.207	Ö	%100
26	M28A	Z	.207	091	0	%100
27	M29A	X	091	.157	Ö	%100
28	M29A	Z	.157		0	%100
29	M30A	X	12	12 .207	0	%100
30	M30A	Z	.207		0	%100
31	M32	X	478	478 .829	0	%100
32	M32	Z	.829		0	%100
33	MP3A	X	304	304	0	%100 %100
34	MP3A	Z	.526	.526	0	%100 %100
35	MP1C	X	304	304	0	%100 %100
36	MP1C	Z	.526	.526	<u> </u>	/0100

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	Z	304	304	0	%100
38	MP2C		.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	Ö	%100
48	MP4B	Z	.526	.526	Ŏ	%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	
53	M39A	X	091	091	0	%100 %100
54	M39A	Z	.157	.157		%100
55	MPSO	X	22	22	0	%100
56	MPSO	Z	.381	.381	0	%100
57	M44	X	276		0	%100
58	M44	Ž		276	0	%100
59	M70A	X	.478	.478	0	%100
60	M70A		276	276	0	%100
61	M71A	Z X	.478	.478	0	%100
62	M71A		0	0	0	%100
63		Z	0	0	0	%100
	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	<u>X</u>	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 %100
86	M89	Z	.884	.884	0	
87	M90	X	137	137		%100
88	M90	Z	.237	.237	0	%100
89	M91	X	264		0	%100
90	M91	Ž		264	0	%100
91	M92	X	.458	.458	0	%100
92	M92	Z	264 .458	264	0	%100
V2	IVIUL		.408	.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[π,%]	End Location[ft.% %100
1	CBC1	X	-1.108	-1.108	0	%100
2	CBC1	Z	.64	277	0	%100
3	CBB1	X	277	.16	0	%100
4	CBB1	Z	.16	277	0	%100
5	CBA1	X	277	.16	0	%100
3	CBA1	Z	.16	-1.108	0	%100
7	M7	X	-1.108	.64	0	%100
3	M7	Z	.64	277	0	%100
9	M8	X	277	211	0	%100
0	M8	Z	.16	.16	0	%100
1	M9	X	277	277 .16	0	%100
2	M9	Z	.16		0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0 700	700	0	%100
5	M23	X	-,709	709	0	%100
6	M23	Z	.409	.409	0	%100
7	M24	X	709	709	0	%100
8	M24	Z	.409	.409	0	%100
9	MP1A	X	526	526	0	%100
0	MP1A	Z	.304	.304	0	%100
21	MP2A	X	526	526	0	%100 %100
2	MP2A	Z	.304	.304	0	%100
23	MP4A	X	526	-,526		%100
24	MP4A	Z	.304	.304	0	%100
25	M28A	X	621	621	0	%100
26	M28A	Z	.359	.359		%100
7	M29A	X	471	-,471	0	%100
8	M29A	Z	.272	.272	0	%100
29	M30A	X.	0	0	0	%100
30	M30A	Z	0	0		%100
31	M32	X	621	621	0	%100
32	M32	Z	.359	.359	0	%100
33	MP3A	X	526	526		%100
34	MP3A	Z	.304	.304	0	%100
35	MP1C	X	526	526	0	%100
36	MP1C	Z	.304	.304		%100 %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
11	MP3C	X	526	526	0	%100 %100
42	MP3C	Z	.304	.304		%100
13	MP1B	X	526	526	0	%100
14	MP1B	Z	.304	.304		%100 %100
15	MP2B	X	.526	526	0	%100 %100
46	MP2B	Z	.304	.304	0	%100 %100
17	MP4B	X	526	526	0	%100
48	MP4B	Z	.304	.304	0	%100 %100
19	мР3В	X	526	526	0	%100
50	MP3B	Z	.304	.304	0	%100 %100
51	M38A	X	471	471	0	%100 %100
52	M38A	Z	.272	.272	0	
53	M39A	X	0	0	0	%100 %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)

M44 M70A M70A M71A M71A	Z X Z X	.092 637 .368 159	End Magnitude(lb/ft,F .092 637 .368	0	%100 %100
M70A M71A M71A M74	Z X	.368	637		
M71A M71A M74	X				
M71A M74		- 150	.000	0	%100
M74	7	7.100	159	0	%100
		.092	.092	0	%100
B 477 4	X	36	36	0	%100
M74	Z	.208	.208	0	%100
M75	X				%100
M75					%100
M78	X				%100
M78					%100
M79					%100 %100
M79	Z				%100 %100
M82					%100 %100
M82					%100 %100
M83					%100 %100
M83					%100 %100
M84					%100
M84	7				%100 %100
M85					%100 %100
					%100 %100
					%100 %100
					%100
					%100 %100
					%100
					%100
					%100
					%100
					%100
					%100 %100
	M75 M75 M78 M78 M79 M79 M82 M82 M83 M83 M83	M75 X M75 Z M78 X M79 X M79 Z M82 X M83 X M84 X M85 X M86 X M87 X M88 X M89 X M90 X M91 X M92 X	M75 X 36 M75 Z .208 M78 X -1.441 M78 Z .832 M79 X -1.441 M79 Z .832 M82 X 36 M82 Z .208 M83 X 36 M83 Z .208 M84 X 821 M84 X 821 M85 X 205 M85 X 205 M86 X 205 M86 X 205 M87 X 168 M87 X 168 M88 X 816 M89 X 595 M89 X 595 M90 X 595 M91 X 816 M91 X 816 M91 X 816	M75 X 36 36 M75 Z .208 .208 M78 X -1.441 -1.441 M78 Z .832 .832 M79 X -1.441 -1.441 M79 Z .832 .832 M82 X 36 36 M82 Z .208 .208 M83 X 36 36 M84 X 821 821 M84 X 821 821 M85 X 205 205 M85 Z .118 .118 M86 X 205 205 M87 X 168 168 M88 X 816 <td>M75 X 36 36 0 M75 Z .208 .208 0 M78 X -1.441 -1.441 0 M79 X -1.441 -1.441 0 M79 X -1.441 -1.441 0 M79 Z .832 .832 0 M82 X 36 36 0 M82 X 36 36 0 M83 X 36 36 0 M83 X 36 36 0 M83 Z .208 .208 0 M84 X 36 36 0 M84 X 821 821 0 M84 X 208 .208 0 M85 X 205 205 0 M85 X 205 205 0 M86 X 205</td>	M75 X 36 36 0 M75 Z .208 .208 0 M78 X -1.441 -1.441 0 M79 X -1.441 -1.441 0 M79 X -1.441 -1.441 0 M79 Z .832 .832 0 M82 X 36 36 0 M82 X 36 36 0 M83 X 36 36 0 M83 X 36 36 0 M83 Z .208 .208 0 M84 X 36 36 0 M84 X 821 821 0 M84 X 208 .208 0 M85 X 205 205 0 M85 X 205 205 0 M86 X 205

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	Ŏ	%100
9	M8	X	96	96	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	0	0	<u> </u>	%100 %100
12	M9	Z	0	Ö	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	Ŏ	%100
17	M24	X	-1.091	-1.091	0	%100
18	M24	Z	0	0	Ö	%100 %100

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

	Member Label	Direction	4 : Structure WI 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	00	%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
	M30A	Z	0	0	0	%100
30		X	239	239	0	%100
31	M32	Z	0	0	0	%100
32	M32	X	608	608	0	%100
33	MP3A		000	0	0	%100
34	MP3A	Z	608	608	Ō	%100
35	MP1C	X		0	Ö	%100
36	MP1C	Z	0	608	0	%100
37	MP2C	X	608	0.000	0	%100
38	MP2C	Z	0	608	0	%100
39	MP4C	X	608		0	%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	608	608		%100
42	MP3C	Z	0	0	0	%100 %100
43	MP1B	X	608	608	0	%100 %100
44	MP1B	Z	0	0	0	
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
	MPSO	X	44	44	0	%100
55	MPSO	Z	0	0	0	%100
56		X	0	0	0	%100
57	M44	Z	0	0	0	%100
58	M44	X	552	552	0	%100
59	M70A	Z	0	0	0	%100
60	M70A		552	552	0	%100
61	<u>M71A</u>	X		0	0	%100
62	M71A	Z	0	0	0	%100
63	M74	X	0	0	Ö	%100
64	M74	Z	0	0	0	%100
65	M75	<u> </u>	0	0	0	%100
66	M75	Z	0		0	%100 %100
67	M78	X	-1.248	-1.248		%100 %100
68	M78	Z	0	0	0	%100 %100
69	M79	X	-1.248	-1.248	0	%100 %100
70	M79	Z	0	0	0	
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	Ō	%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	Ŏ	0	%100
33	MP3A	X	526	526	0	%100
34	MP3A	Z	304	304	Ö	%100 %100
35	MP1C	X	526	526	Ö	%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 %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	00	%100
	MPSO	Z	22	22	0	%100
56 57	M44	X	159	159	0	%100
	M44	Z	092	092	0	%100
58	M70A	X	159	159	0	%100
59	M70A	Z	092	092	0	%100
60		X	637	637	0	%100
61	M71A	Z	368	368	0	%100
62	M71A	X	36	-,36	0	%100
63	M74	Z	208	208	0	%100
64	M74	X	36	36	Ö	%100
65	M75	Z	208	208	0	%100
66	M75	X	36	36	0	%100
67	M78		208	208	0	%100
68	M78	Z	36	36	0	%100
69	M79	X	208	208	Ö	%100
70	M79	Z	-1.441	-1.441	0	%100
71	M82	X	832	832	Ö	%100
72	M82		-1.441	-1.441	Ö	%100
73	M83	<u>X</u>	832	832	Ö	%100
74	M83	Z	205	205	Ö	%100
75	M84	X		118	Ö	%100
76	M84	Z	118	821	Ö	%100
77	M85	X	821	474	Ö	%100
78	M85	Z	474	205	0	%100
79	M86	<u> X</u>	205	205	0	%100
80	M86	Z	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		%100
85	M89	X	168	168	0	%100
86	M89	Z	097	097	0	%100
87	M90	X	816	816	0	%100 %100
88	M90	Z	-,471	471	0	
89	M91	Z	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 %100
8	M7	Z	Ö	Ö	0	%100 %100
9	M8	X	48	48	0	%100 %100
10	M8	Z	831	831	0	%100 %100
11	M9	X	48	48	0	%100 %100
12	M9	Z	831	831	0	
13	M10	X	546	546	0	%100
14	M10	Z	945	945		%100
15	M23	X	136		0	%100
16	M23	Ž	236	136	0	%100
17	M24	X		236	0	%100
18	M24		136	136	0	%100
19	MP1A	Z	236	236	0	%100
20		X	304	304	0	%100
21	MP1A	Z	526	526	0	%100
22	MP2A	X	304	304	0	%100
	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	Ö	%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	Ö	%100
34	MP3A	Z	526	526	0	%100
35	MP1C	X	304	304	Ö	%100 %100
36	MP1C	Z	526	526	0	%100 %100
37	MP2C	X	304	304	0	%100 %100
38	MP2C	Z	526	526	Ö	%100 %100
39	MP4C	X	304	304	0	%100 %100
40	MP4C	Z	526	526	0	
41	MP3C	X	304			%100
42	MP3C	Z	526	304 526	0	%100
43	MP1B	X	304		0	%100
44	MP1B	Z		304	0	%100
45	MP2B	X	526	526	0	%100
46	MP2B		304	304	0	%100
47		Z	526	526	0	%100
48	MP4B	X	304	304	0	%100
	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		End Magnitude[lb/ft,F		End Location[ft,%]
58	M44	Z	478	478	0	%100
59	M70A	X	0	0	0	%100
	M70A	Ž	0	0	0	%100
60	M71A	X	276	276	0	%100
61		Z	478	478	0	%100
62	M71A M74	X	624	624	0	%100
63		Z	-1.081	-1.081	0	%100
64	M74	X	624	624	0	%100
65	M75	Z	-1.081	-1.081	0	%100
66	M75	X	0	0	0	%100
67	M78		0	Ö	0	%100
68	M78	Z	0	0	0	%100
69	M79		0	0	0	%100
70	M79	Z	624	624	0	%100
71	M82	X	-1.081	-1.081	0	%100
72	M82	Z		624	0	%100
73	M83	X	624	-1.081	0	%100
74	M83	Z	-1.081	-1.061	0	%100
75	M84	X	0	0	0	%100
76	M84	Z	0		0	%100
77	M85	X	355	355		%100
78	M85	Z	615	615	0	%100
79	M86	X	355	355	0	%100
80	M86	Z	615	615	0	%100 %100
81	M87	X	511	511	0	
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 MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
4	CBC1	V	469	-3.772	0	2.333
2	CBC1	v	-3.772	-5.343	2.333	4.667
2	CBC1	† - V	-5.343	-5.263	4.667	7
3	CBC1	-	-5.263	-5.343	7	9.333
4		V	-5.343	-3.772	9.333	11.667
5	CBC1 CBC1	V	-3.772	469	11.667	14
6			-3.165	-3.163	0	3.5
-	M7	V	-3.163	-3.162	3.5	7
8	M7		-7.455	-6.327	0	3.233
9	M23	- ·	-7.458	-6.327	0	3.233
10	M24		-9.996	-9.996	.068	1.068
11	M30A	+	469	-3.772	0	2.333
12	CBB1	- ·	-3.772	-5.343	2.333	4.667
13	CBB1	V	-5.343	-5.263	4.667	7
14	CBB1	- V	-5.263	-5.343	7	9.333
15	CBB1	+	-5.343	-3.772	9.333	11.667
16	CBB1	T	-3.772	469	11.667	14
17	CBB1	Y	-3.162	-3.163	0	3.5
18	M8	Υ	-5.102	-5.105		3.9



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	Υ	-3.163	-3.165	3.5	7
20	M10	Υ	-7.457	-6.327	0	3.233
21	M32	Y	-9.996	-9.996	.068	1.068
22	CBA1	Υ	469	-3.772	0	2.333
23	CBA1	Υ	-3.772	-5.343	2.333	4.667
24	CBA1	Y	-5.343	-5.263	4.667	7
25	CBA1	Υ	-5.263	-5.343	7	9.333
26	CBA1	Υ	-5.343	-3.772	9.333	11.667
27	CBA1	Y	-3.772	469	11.667	14
28	M9	Υ	-3.162	-3,163	0	3.5
29	M9	Υ	-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	Υ	-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	Ö	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		-10.993	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	0.0	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	7.007
25	CBA1	Ý	-10.829	-10.993	7	9.333
26	CBA1	Ý	-10.993	-7.761	9.333	11.667
27	CBA1	Ý	-7.761	966	11.667	14
28	M9	Ý	-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	Υ	011	091	0	2.333
2	CBC1	Y	091	128	2.333	4.667
3	CBC1	Υ	128	127	4.667	7
4	CBC1	Υ	127	128	7	9.333
5	CBC1	Y	128	091	9.333	11.667
6	CBC1	Y	091	011	11.667	14
7	M7	Υ	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	Ÿ	179	152	0	3.233
	¥		24	24	.068	1.068
11			011	091	0	2.333
12	CBB1	T V	091	128	2.333 4.667	4.667
13	CBB1			127		7
14	CBB1	Υ	128		7.007	9.333
15	CBB1	Y	127	128	0.000	
16	CBB1	Υ	128	091	9.333	11.667
17	CBB1	Υ	091	011	11.667	14
18	M8	Υ	076	076	0	3.5
19	M8	Y	076	076	3.5	7
20	M10	Y	179	152	0	3.233
	M32	Ÿ	24	24	.068	1.068
21		V	011	091	0	2.333
22	CBA1	· ·	091	128	2.333	4.667
23	CBA1		128	127	4.667	7
24	CBA1	Y		128	7	9.333
25	CBA1		127		9.333	11.667
26	CBA1	Y	128	091		14
27	CBA1	Y	091	011	11.667	
28	M9	Y	076	076	0	3.5
29	M9	Υ	076	076	3.5	
30	M28A	Y	24	24	.068	1.068

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

	Member Label	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F.,	. Start Location[ft,%]	End Location[ft,%]
1	CBC1	Z	028	228	0	2.333
-	CBC1	Z	228	323	2.333	4.667
2	CBC1	Z	323	318	4.667	7
3	CBC1	Z	318	323	7	9.333
4	CBC1 Z		323	228	9.333	11.667
5		Z	228	028	11.667	14
6	CBC1	Z	191	191	0	3.5
7	M7	Z	191	191	3.5	7
8	M7	Z	45	382	0	3.233
9	M23	Z	45	382	0	3.233
10	M24	Z	604	604	.068	1.068
11	M30A		028	228	0	2.333
12	CBB1	<u>Z</u>	228	323	2.333	4.667
13	CBB1	7	323	318	4.667	7
14	CBB1	Z	318	323	7	9.333
15	CBB1		323	228	9.333	11.667
16	CBB1	Z		028	11.667	14
17	CBB1	Z	228	191	0	3.5
18	M8	Z	191	191	3.5	7
19	M8	Z	191	382	0.0	3.233
20	M10	<u>Z</u>	45	604	.068	1.068
21	M32	Z	604		0	2.333
22	CBA1	Z	028	228	2.333	4.667
23	CBA1		228	323		7
24	CBA1	Z	323	318	4.667	9.333
25	CBA1	Z	318	-,323	0.000	
26	CBA1	Z	323	228	9.333	11.667 14
27	CBA1	Z	228	028	11.667	
28	M9	Z	191	191	0	3.5
29	M9	Z	191	191	3.5	1,000
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	7.007
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
-	N11	N7	N57A	N58	X	Two Way	.000314
2	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	1410	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	INOTES	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	110071	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	(4102)	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	11100/1		-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	00	8	0	5
12	1110-111	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	Totals.	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*Pncphi*Pn		
1	CBC1	L3X3X4	.384	7	20	.032	7	Z	20	3944.532 4665		2.81 1 H2-1
2	CBB1	L3X3X4	.384	7	16	.032	7	Z	16	3944.532 4665		2.81 1 H2-1
3	CBA1	L3X3X4	.495	7_	36	.043	7	z	36	3944.532 4665		2.731 1 H2-1
4	M7	L3X3X4	.201	3.5	22	.011	3.5	У	20	15778.1 4665		3.223 1 H2-1
5	M8	L3X3X4	.201	3.5	18	.011	3.5	V	16	15778.1 4665		3.223 1 H2-1
6	M9	L3X3X4	.202	3.5	14	.011	3.5	У	24	15778.1 4665		3.224 1 H2-1
7	M10	LL3x3x4x6	.036	4.041	49	.013	0	Z	6	73531.5 9331		4.911 1H1-1b
8	M23	LL3x3x4x6	.039	4.041	32	.013	0	Z	2	73531.5 9331		4.385 1H1-1b
9	M24	LL3x3x4x6	.033	4.041	4	.013	0	z	10	73531.5 9331		4.385 2 H1-1b
10	MP1A	PIPE 2.0	.161	.688	21	.100	3.625		9	21199.8 3304		1.925 ² H1-1b
11	MP2A	PIPE 2.0	.229	1.833	19	.079	4.87		11_	22757.7 3304		1.925 2 H1-1b
12	MP4A	PIPE 2.0	.206	.75	49	.102	3.75		5	21199.8 3304		1.925 2 H1-1b
13	M28A	HSS4.5X4.5	.134	.065	12	.085	0	Z	11	93922.7 9493		12.717 1H1-1b
14	M29A	HSS4X4X4	.255	0	12	.083	.417	Z	_11	108939 1091		12.663 1H1-1b
15	M30A	HSS4.5X4.5	.133	.065	8	.084	0	z	7	93922.7 9493		12.717 1H1-1b
16	M32	HSS4.5X4.5	.133	.065	4	.083	0	Z	3	93922.7 9493		12.717 1H1-1b
17	MP3A	PIPE 2.0	.171	1.833	8	.066	4.812		2	22757.7 3304		1.925 1H1-1b
18	MP1C	PIPE 2.0	.161	.688	17	.100	3.625		-5	21199.8 3304		1.925 2 H1-1b
19	MP2C	PIPE 2.0	.259	1.833	2	.079	4.87		_ 7	22757.7 3304		1.925 1H1-1b
20	MP4C	PIPE 2.0	.169	.75	13	.102	3.75		1_	21199.8 3304		1.925 ² H1-1b
21	MP3C	PIPE 2.0	.171	1.833	4	.066	4.812		10	22757.7 3304		1.925 3H1-1b
22	MP1B	PIPE 2.0	.198	.688	49	.100	3.625		_ 1	21199.8 3304		1.925 1H1-1b
23	MP2B	PIPE 2.0	.259	1.833	10	.079	4.87		_3_	22757.7 3304		1.925 2 H1-1b
24	MP4B	PIPE 2.0	.169	.75	21	.102	3.75		9	21199.8 3304		1.925 2H1-1b
25	MP3B	PIPE 2.0	.170	1.833	12	.066	4.812		6	22757.7 3304		1.925 2 H1-1b
26	M38A	HSS4X4X4	.264	0	4	.079	0	Z	3		38 12.663	12.663 1H1-1b
27	M39A	HSS4X4X4	.264	0	8	.079	0	z	7		38 12.663	12.663 1H1-1b
28	MPSO	PIPE 2.0	.082	1.5	1	.040	1.5		4	31457.3 3304		1.925 1 H1-1b
29	M44	PIPE 2.5	.263	2.865	19	.122	9.766		13	14558.7 5216		3.699 1. H1-1b
30	M70A	PIPE 2.5	.263	2.865	1	.123	9.766		21	14558.7 5216		3.699 1 H1-1b
31	M71A	PIPE 2.5	.263	2.865	23	.122	9.766		17	14558.7 52 16	4 3.699	3.699 1H1-1b



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

	Member	Shape	Code Check	Loc[ft]	LC	Shear	.Loc[ft]	Dir	LC	phi*Pncph	i*Pnt f	.phi*Mn v	.phi*Mn zCb Eqn
32	M74	PL3/8x6.5	.313	.5	21	.219	.25	V	6.		8975	.617	10.695 1 H1-1b
33	M75	PL3/8x6.5	.283	0	17	.337	0	v	1	67181.9 7	8975	.617	10.695 1H1-1b
34	M78	PL3/8x6.5	.313	.5	17	.219	.25	V	2	67181.9 7	8975	.617	10.695 1H1-1b
35	M79	PL3/8x6.5	.283	0	13	.337	0	V	9	67181.9 7	8975	.617	10.695 1H1-1b
36	M82	PL3/8x6.5	.313	.5	13	.219	.25	v	10	67181.9 7	8975	.617	10.695 1H1-1b
37	M83	PL3/8x6.5	.283	0	21	.337	0	v	5	67181.9 7	8975	.617	10.695 1H1-1b
38	M84	L3X3X6	.103	2.356	18	.008	2.356	v	6	60353.93 6	8364	2.307	5.322 1 H2-1
39	M85	L3X3X6	.103	2.356	14	.008	2.356	v	2		8364	2.307	5.322 1 H2-1
40	M86	L3X3X6	.103	0	22	.008	0	z	10	60353.93 6	8364	2.307	5.322 1 H2-1
41	M87	L2.5x2.5x4	.085	2.488	6	.007	0	z	6	17189.2 3	8556	1.114	2.252 1 H2-1
42	M88	L2.5x2.5x4	.080	2.488	18	.008	4.976	z	8	17189.2 3	8556	1.114	2.252 1 H2-1
43	M89	L2.5x2.5x4	.085	2.488	2	.007	0	z	2	17189.2 3	8556	1.114	2.252 1 H2-1
44	M90	L2.5x2.5x4	.080	2.488	14	.008	0	z	4	17189.2 3	8556	1.114	2.252 1 H2-1
45	M91	L2.5x2.5x4	.085	2.488	10	.007	0	z	10		8556	1.114	2.252 1 H2-1
46	M92	L2.5x2.5x4	.080.	2.488	22	.008	4.976	z	12		8556	1.114	2.252 1 H2-1



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		3.000
PSLC#:	5000385161		
Fuze ID #:	17124000	Page;	2

Version 1.01

Tower Connection Weld Checks

Weld Shape:

Weld Stiffener Configuration:

Stiffener Notch Present? Stiffener Length, I (in):

Stiffener Spacing/Width, s (in):

Stiffener Notch Length, n (in):

Weld Size (1/16 in): W1 (in):

W2 (in):

Weld Total Length (in): Z_x (in³/in):

 Z_y (in³/in):

J_p (in⁴/in): c_x (in)

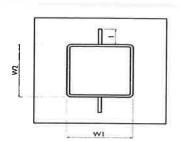
 c_y (in)

Required combined strength (kip/in):

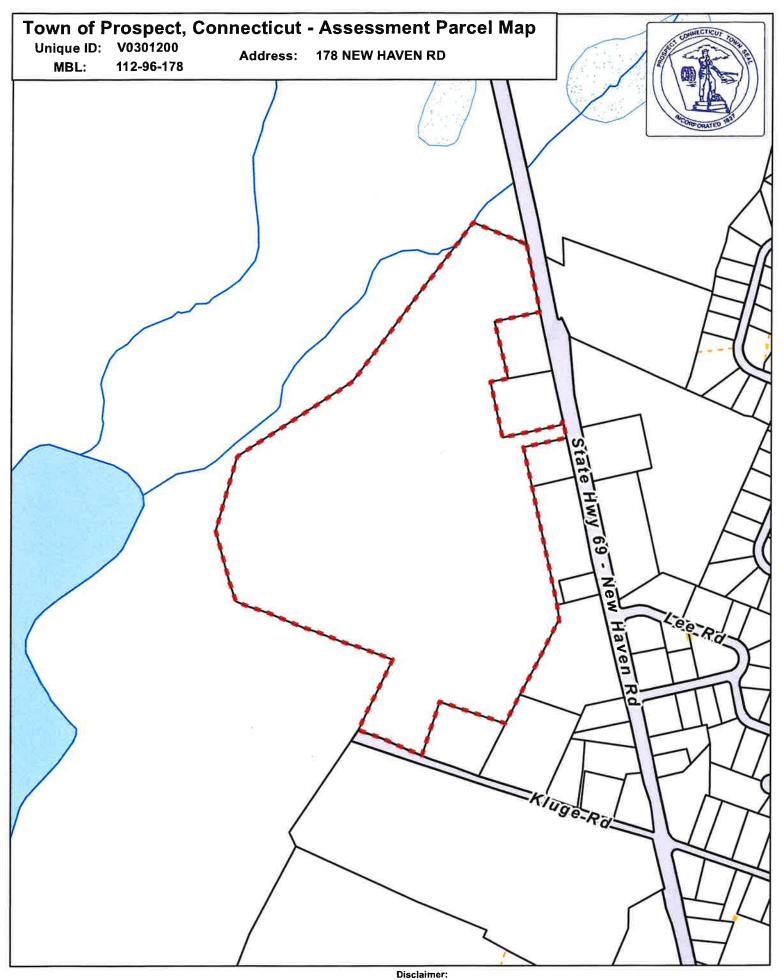
Weld Capacity (kip/in):

Weld Utilization:

	Rectangle
9	(1) Stiffener on top/bottom
	Yes
	3
	0.5
ij	4
	4
	4
	28.00
	67.15
	21.33
	337.33
	5.5
	5.5
	0.73
	5.57
	13.1%



ATTACHMENT 4





Approximate Scale:
1 inch = 700 feet

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.



Residential

Parcel Information

Unique ID:	V0301200	Map Block Lot:	112 96 178	Acres:	63.9800
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490 Acres:	53.00	Zone:	RA-1	Volume / Page:	0548/0303
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Developers Map	Census:	3472
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/ Lot:

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%]

Information Published With Permission From The Assessor

ATTACHMENT 5



Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO.	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here	Э					
	of Pieces Listed by Sender	or Pieces Received at Post Office	Postmark with Date	e of Receipt.					
Kenneth C. Baldwin, Esq.									
Robinson & Cole LLP									
280 Trumbull Street				neopost					
Hartford, CT 06103	1 '5	3		08/03/2023	4000				
					US POSTAGE \$003.19º				
	Postmaster, per (name of receive	ing employee)							
	R	7IP 06103 041L12203937							
USPS® Tracking Number	(Name Street C	Address bity, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift			
Firm-specific Identifier	Robert J. Chatfield,								
1.	Town of Prospect	iviayoi							
	36 Center Street		1	Saan					
	Prospect, CT 06712				1				
	Mary Barton, Land U		/		1				
2.	Town of Prospect	Osc Hispector	1 /		1				
	36 Center Street			100 3 - 5053	o l				
	Prospect, CT 06712		83	6000	.6/				
		is and Austin Victor Visock		/					
3.			18	000					
	73 Grandview Aven			CAR EDUD					
	Newington, CT 061	11							
1.									
5.					6				
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5.									
J.		9							
	3)								